

Data sheet for SINAMICS G120P Cabinet



MLFB-Ordering data: 6SL3710-1PE31-5AB0-Z **
D02+K74+K83+K96+L08+L13+L26+L62+L83+M06

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

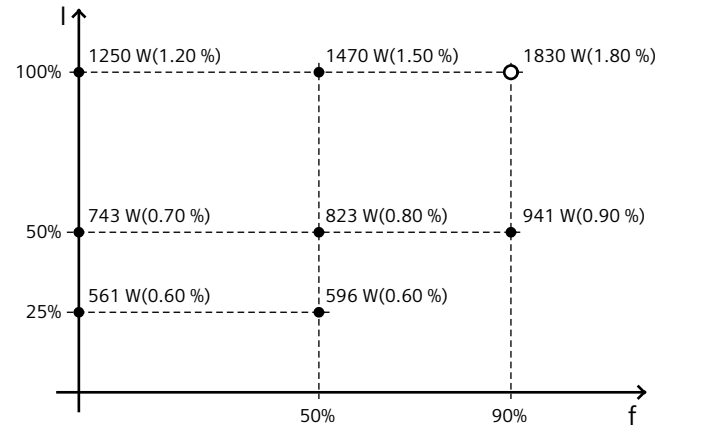
Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	-
Max. current	189 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	400 V
Rated power (LO) in kW	75 kW
Rated power (HO) in kW	55 kW
Rated output current	-
Rated output current (LO)	145 A
Rated output current (HO)	110 A
Output current Max	196 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)	2100 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%)	39.1 %



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	
D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
K74	Supply of Cabinet internal AC 230 V auxiliary power
K83	Stopp-Category 0 (STO)
K96	Control Unit CU230P-2 PROFINET / EtherNet/IP
L08	Motor reactor
L13	Line contactor
L26	Main switch including fuses
L62	50 kW braking module (P20 power: 200 kW)
L83	Thermal motor protection device (warning/alarm)
M06	Base 100 mm high

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