

Data sheet for SINAMICS G120P Cabinet



MLFB-Ordering data: 6SL3710-1PG33-7AA0-Z **
K74+K97

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

Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	690 V ±10%
Rated input current	354.0 A
Max. current	507 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	690 V
Rated power (LO) in kW	315 kW
Rated power (HO) in kW	250 kW
Rated output current ***	340.0 A
Rated output current (LO) ***	330 A
Rated output current (HO) ***	272 A
Output current Max	487 A
Pulse frequency (nominal)	2.00 kHz

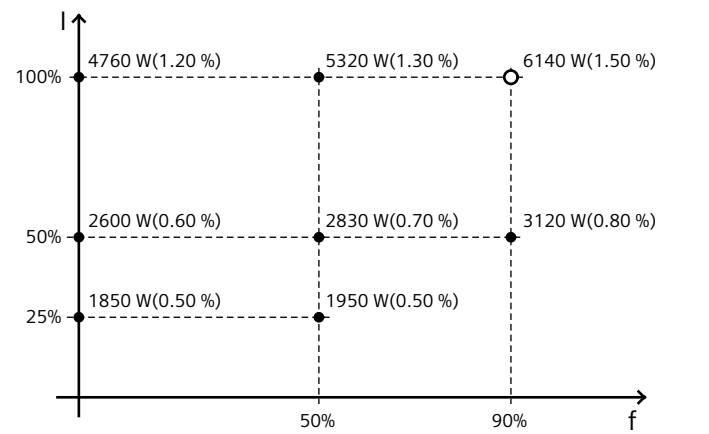
Basic data:	
Absolute power loss in stand-by	232 W
Sound pressure level L _{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Installation envelope dimensions (H x W x	2300 mm x 1200 mm x 600 mm
Weight approx.	515 kg
Frame size	FSHX
Design	A
Color, paint shade	RAL7035
Compliance with standards	CE, RCM, EAC

Environmental conditions	
Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.60 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*	
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Efficiency class IE2

Comparison with the reference converter (90% / 100%) 36.9 %



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	
K74	Supply of Cabinet internal AC 230 V auxiliary power
K97	Control Unit CU230P-2 Profibus DP