

Data sheet for SINAMICS G150

Article No. : 6SL3710-1GE35-0AA3-Z
D02



Figure similar

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	509 A
Max. current	781 A
Pulse number	6
Energy recovery capability	No (2Q)

Output

Output voltage	400 V
Rated power (LO) in kW	250 kW
Rated power (HO) in kW	200 kW
Rated output current	490 A
Rated output current (LO)	477 A
Rated output current (HO)	438 A
Output current Max	715 A
Pulse frequency (factory setting)	2 kHz

Basic data

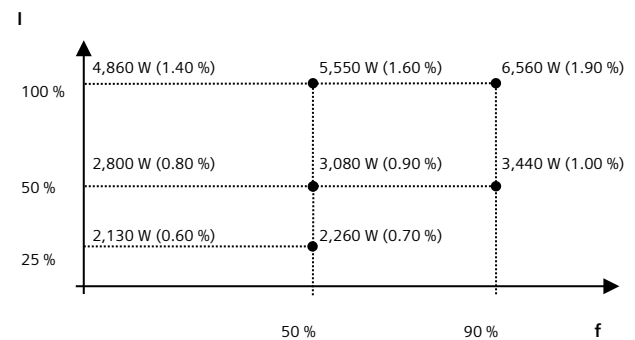
Power losses ΔP	6.56 kW
Power loss including options	6.56 kW
Sound pressure level L _{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2,000 mm x 1,000 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Design	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1,000 m
Coolant	Air
Coolant requirement, air	0.36 m ³ /s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	47.2 %



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.

*calculated values

Special design

D02 Customer documentation (circuit, terminal, layout diagram) in the DXF format