SIEMENS

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-1GH31-8AA3**

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	191 A
Max. current	279 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:

Output voltage	690 V
Rated power (LO) in kW	160 kW
Rated power (HO) in kW	132 kW
Rated output current	175 A
Rated output current (LO)	171 A
Rated output current (HO)	157 A
Output current Max	255 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:

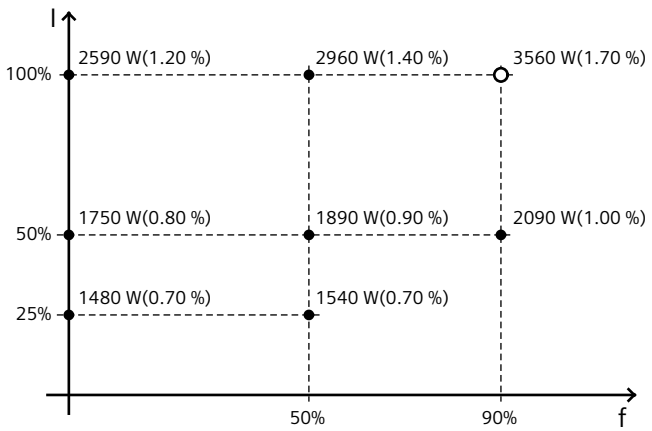
Power losses ΔP	3.56 kW
Power loss including options	3.56 kW
Sound pressure level L_{pA} (1 m)	67 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (W x H x D)	2000 mm x 800 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Design	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.36 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	41.8 %



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