

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GH35-8AA3-Z
D02+D14+L08+L23+M06+M90

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

Item no.:
Consignment no.:
Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	690 V $\pm 10\%$
Rated input current	598 A
Max. current	918 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	560 kW
Rated power (HO) in kW	450 kW
Rated output current	575 A
Rated output current (LO)	560 A
Rated output current (HO)	514 A
Output current Max	840 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	10.8 kW
Power loss including options	12 kW
Sound pressure level L_{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2100 mm x 1200 mm x 600 mm
Weight approx.	840 kg
Frame size	H
Type	A
Color, paint shade	RAL7035

Environmental conditions

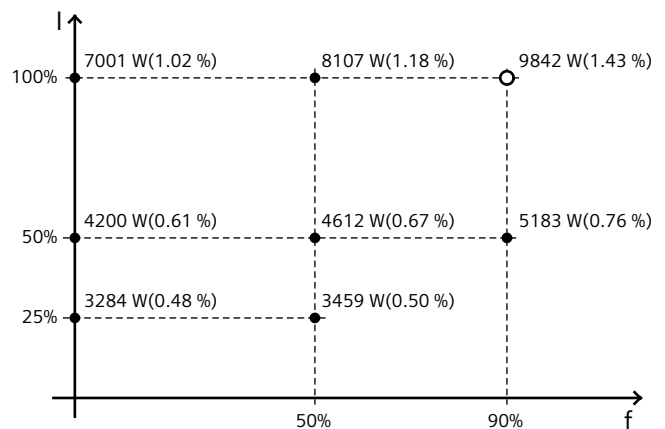
Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.78 m ³ /s
Ambient temperature	0 °C - +40 °C

Converter losses to EN 50598-2*

Efficiency class

IE2

Comparison with the reference converter (90% / 100%) -64.84 %



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 EN 50598) 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.

*converted values

Special design

D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
D14	Preliminary generation of customer documentation
L08	Motor reactor
L23	Line reactor uk = 2 % (for converters > 500 kW)
M06	Base 100 mm high, RAL 7022
M90	Crane transport assembly (mounted at the top)