

Data sheet for SINAMICS G150



MLFB-Ordering data:

6SL3710-1GH38-1AA3-Z

D02+D04+D14+D76+G60+L26+L45+L50+L57+M06+M54

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	842 A
Max. current	1295 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	800 kW
Rated power (HO) in kW	710 kW
Rated output current	756 A
Rated output current (LO)	737 A
Rated output current (HO)	675 A
Output current Max	1185 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	14.7 kW
Power loss including options	14.7 kW
Sound pressure level L_{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP54
Dimensions (H x W x D)	2500 mm x 1600 mm x 600 mm
Weight approx.	1360 kg
Frame size	J
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	1.48 m ³ /s
Ambient temperature	0 °C - +40 °C

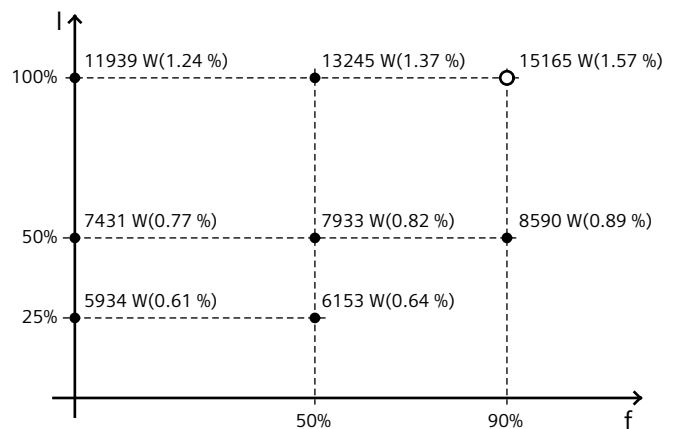
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-61.54 %



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
D04	Customer documentation in paper form
D14	Preliminary generation of customer documentation
D76	Documentation in a single language, English
G60	TM31 customer terminal strip
L26	Main switch including fuses or circuit breaker
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L50	Cabinet lighting with service socket outlet
L57	EMERGENCY OFF Category 0, AC 230 V or 24 V DC
M06	Base 100 mm high, RAL 7022
M54	IP54 degree of protection