

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GH31-5AA3-Z
D56+D94+G51+K95+L07+L45+M54+M70+M90+T85

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	164 A
Max. current	232 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	132 kW
Rated power (HO) in kW	110 kW
Rated output current	140 A
Rated output current (LO)	132 A
Rated output current (HO)	125 A
Output current Max	213 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	2.8 kW
Power loss including options	3.07 kW
Sound pressure level L_{pA} (1 m)	67 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP54
Dimensions (H x W x D)	2400 mm x 800 mm x 600 mm
Weight approx.	460 kg
Frame size	F
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.17 m ³ /s
Ambient temperature	0 °C - +40 °C

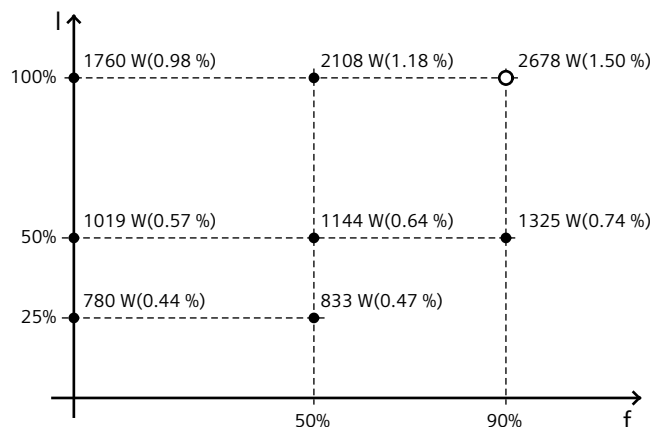
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-63.41 %



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

D56	Documentation in a single language, Russian
D94	Documentation language: English/Russian
G51	1x TM150 temperature sensor evaluation unit
K95	Control Unit kit CU320-2 PN (PROFINET, EtherNet/IP)
L07	du/dt filter compact plus Voltage Peak Limiter
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
M54	IP54 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)
T85	Rating plate data in English/Russian