

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-2GH41-5AA3-Z**
G51+K95+L23+L45+L50+L87+M06+M70+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	1568 A
Max. current	2406 A
Pulse number	12
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	1500 kW
Rated power (HO) in kW	1350 kW
Rated output current	1500 A
Rated output current (LO)	1462 A
Rated output current (HO)	1340 A

Pulse frequency (default setting)	1.25 kHz
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Basic data:

Power losses ΔP	29 kW
Power loss including options	29.62 kW
Sound pressure level L_{pA} (1 m)	75 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2100 mm x 3200 mm x 600 mm
Weight approx.	2700 kg
Frame size	JX
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	2.96 m ³ /s
Ambient temperature	0 °C - +40 °C

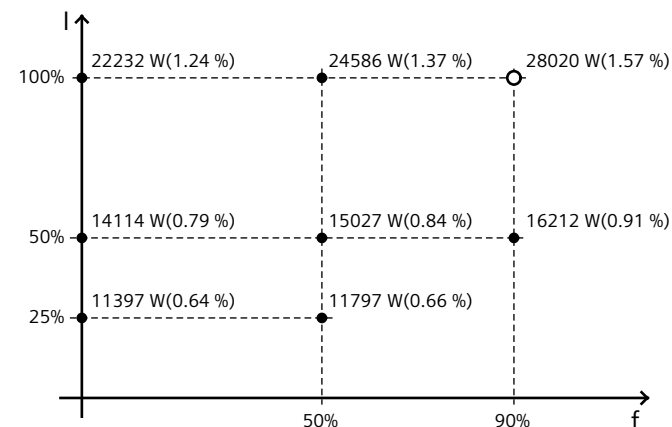
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-62 %



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

G51	1x TM150 temperature sensor evaluation unit
K95	Control Unit kit CU320-2 PN (PROFINET, EtherNet/IP)
L23	Line reactor $u_k = 2\%$ (for converters > 500 kW)
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L50	Cabinet lighting with service socket outlet
L87	Insulation monitoring
M06	Base 100 mm high, RAL 7022
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)