

Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE35-0AA3-Z

D02+D76+G51+G60+G62+K74+L13+L26+L45+L57+M21+M70

(2Q)

Client order no.:

Order no.:

Offer no.: Remarks: Item no.:

Consignment no.: Project:

Rated data

Input	
Supply frequency	4763 Hz
Supply voltage	400 V ±10%
Rated input current	509 A
Max. current	781 A
Pulse number	6

Output:

Basic data:

Color, paint shade

Energy recovery capability

Output:	
Output voltage	400 V
Rated power (LO) in kW	250 kW
Rated power (HO) in kW	200 kW
Rated output current	490 A
Rated output current (LO)	477 A
Rated output current (HO)	438 A
Output current Max	715 A
Pulse frequency (factory setting)	2 kHz

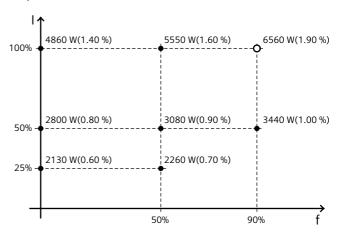
Power losses ΔP	6.56 kW
Power loss including options	6.56 kW
Sound pressure level L _{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP21
Dimensions (H x W x D)	2250 mm x 1000 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Design	Α

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%) 47.2 %



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

D02

D76

G51 G60

G62 K74

L13

L26

L45

M21

RAL7035

Special design

Customer documentation (circuit, terminal, layout diagram) in the DXF format

Documentation in a single language, English

1x TM150 temperature sensor evaluation unit

TM31 customer terminal strip

Additional TB30 Terminal Board

Supply of Cabinet internal AC 230 V auxiliary power

Line contactor (for currents <= 800 A for single connection)

Main switch including fuses or circuit breaker

EMERGENCY OFF pushbutton, mounted in the cabinet door

EMERGENCY OFF, Category 0, uncontrolled stopping

IP21 degree of protection

EMC shield rail (cable connection from below)