

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GH34-1AA3-Z
D02+L08+L13+L26+L45+L50+L57+L62+L83+L84+M21

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	426 A
Max. current	655 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	400 kW
Rated power (HO) in kW	315 kW
Rated output current	410 A
Rated output current (LO)	400 A
Rated output current (HO)	367 A
Output current Max	600 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	8.1 kW
Power loss including options	8.58 kW
Sound pressure level L_{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP21
Dimensions (H x W x D)	2250 mm x 1200 mm x 600 mm
Weight approx.	780 kg
Frame size	H
Type	A
Color, paint shade	RAL7035

Environmental conditions

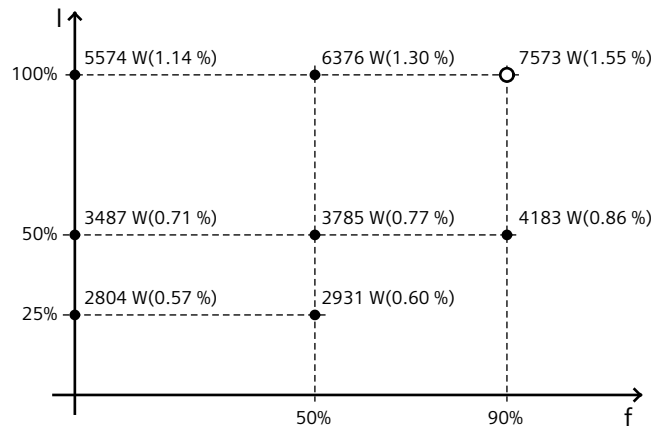
Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.78 m ³ /s
Ambient temperature	0 °C - +40 °C

Converter losses to EN 50598-2*

Efficiency class

IE2

Comparison with the reference converter (90% / 100%) -62.06 %



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
L08	Motor reactor
L13	Line contactor (for currents ≤ 800 A for single connection)
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
L62	50 kW braking module (P20 power: 200 kW)
L83	Thermal motor protection device (warning/alarm)
L84	Thermal motor protection device (shutdown/trip)
M21	IP21 degree of protection