

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-1GF31-8AA3-Z**
D02+D04+D14+G60+K74+L08+L13+L26+M06+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	500 V $\pm 10\%$
Rated input current	191 A
Max. current	279 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	500 V
Rated output (LO) in kW	110 kW
Rated power (HO) in kW	90 kW
Rated output current	175 A
Rated output current (LO)	171 A
Rated output current (HO)	157 A
Output current Max	255 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	3.8 kW
Power loss including options	4.04 kW
Sound pressure level L_{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2100 mm x 800 mm x 600 mm
Weight approx.	460 kg
Frame size	G
Type	A
Color, paint shade	RAL7035

Environmental conditions

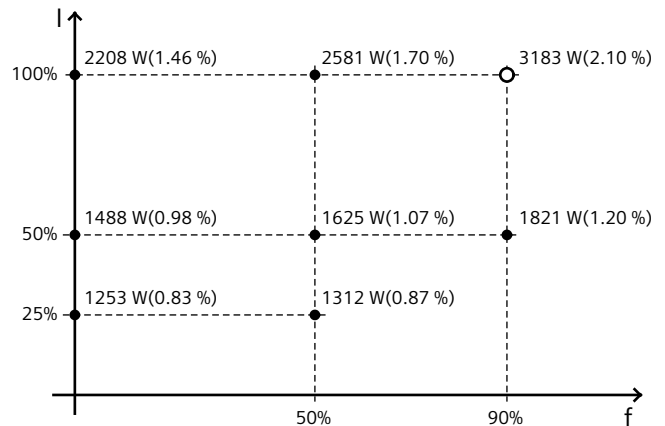
Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.36 m ³ /s
Ambient temperature	0 °C - +40 °C

Converter losses to EN 50598-2*

Efficiency class

IE2

Comparison with the reference converter (90% / 100%) -48.77 %



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
G60	TM31 customer terminal strip
K74	Supply of Cabinet internal AC 230 V auxiliary power
L08	Motor reactor
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
M06	Base 100 mm high, RAL 7022
M90	Crane transport assembly (mounted at the top)