

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GE33-1AA3-Z
D80+L13+L50+L62+M70+T80

Client order no.:
Order no.:
Offer no.:
Remarks:

Item no.:
Consignment no.:
Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	400 V ±10%
Rated input current	338 A
Max. current	495 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	160 kW
Rated power (HO) in kW	132 kW
Rated output current	310 A
Rated output current (LO)	302 A
Rated output current (HO)	277 A

Pulse frequency (default setting)	2 kHz
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Basic data:

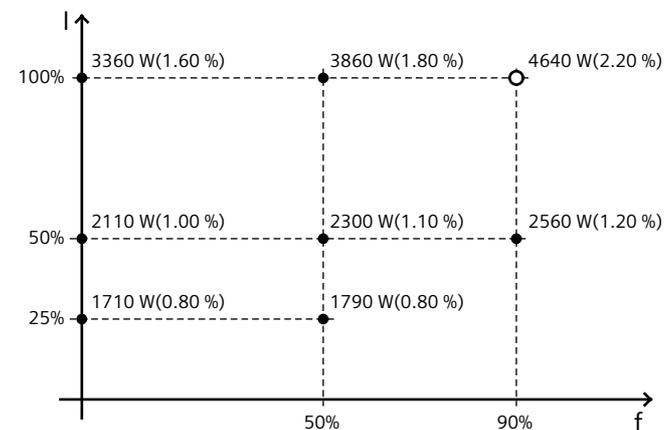
Power losses ΔP	4.64 kW
Power loss including options	4.64 kW
Sound pressure level L_{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2000 mm x 800 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Type	A
Color, paint shade	RAL7035

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 IEC61800-9-2*

Efficiency class IE2
Comparison with the reference converter (90% / 100%) 53.1 %



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.

*converted values

Special design

D80	Documentation language: English/Italian
L13	Line contactor (for currents ≤ 800 A for single connection)
L50	Cabinet lighting with service socket outlet
L62	50 kW braking module (P20 power: 200 kW)
M70	EMC shield rail (cable connection from below)
T80	Rating plate data in English/Italian