SIEMENS

Data sheet for SINAMICS G150

MLFB-Ordering data: **6SL3710-2GE41-4AA3-Z**
D02+D14+G33+K50+L08+L23+L50+L62+M06+M70+M90+Q85

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	1444 A
Max. current	2215 A
Pulse number	12
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	710 kW
Rated power (HO) in kW	560 kW
Rated output current	1380 A
Rated output current (LO)	1340 A
Rated output current (HO)	1054 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

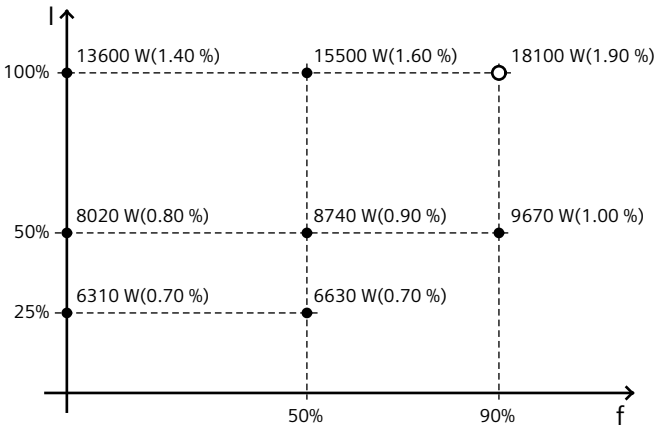
Power losses ΔP	18.1 kW
Power loss including options	19.28 kW
Sound pressure level L_{pA} (1 m)	73 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (H x W x D)	2100 mm x 2400 mm x 600 mm
Weight approx.	1710 kg
Frame size	HX
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	1.56 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	46.5 %



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

D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
D14	Preliminary generation of customer documentation
G33	Communication Board CBE20 (PROFINET)
K50	Sensor Module Cabinet-Mounted SMC30
L08	Motor reactor
L23	Line reactor uk = 2 % (for converters > 500 kW)
L50	Cabinet lighting with service socket outlet
L62	50 kW braking module (P20 power: 200 kW)
M06	Base 100 mm high, RAL 7022
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)
Q85	Liability for defect period extended by 48 months up to a total of 60 months (5 years) from initial shipment