SIEMENS

Data sheet for SINAMICS G150

MLFB-Ordering data: **6SL3710-1GE41-0CA3-Z**
G33+K50+M23+M90

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

Item no.:
Consignment no.:
Project:

Rated data

Input

Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	1024 A
Max. current	1573 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:

Output voltage	400 V
Rated power (LO) in kW	560 kW
Rated power (HO) in kW	450 kW
Rated output current	985 A
Rated output current (LO)	960 A
Rated output current (HO)	860 A
Output current Max	1440 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:

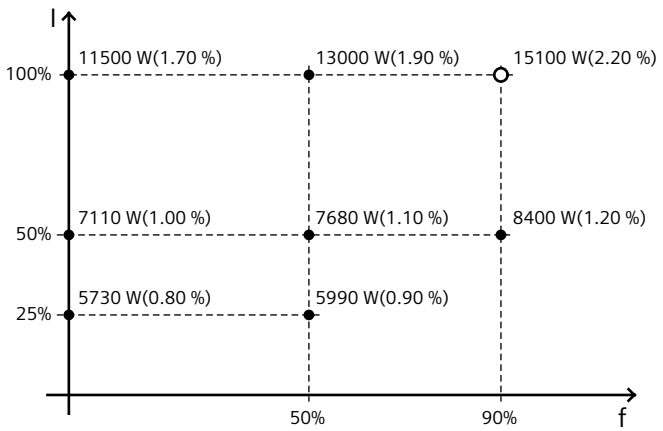
Power losses ΔP	15.1 kW
Power loss including options	15.1 kW
Sound pressure level L_{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm²
Degree of protection	IP23
Dimensions (H x W x D)	2400 mm x 1000 mm x 600 mm
Weight approx.	880 kg
Frame size	J
Design	C (compact)
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	1.48 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	54.1 %



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.

*calculated values

Special design

G33	Communication Board CBE20 (PROFINET)
K50	Sensor Module Cabinet-Mounted SMC30
M23	IP23 degree of protection
M90	Crane transport assembly (mounted at the top)