SIEMENS

Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE37-5AA3-Z

D01+D02+K82+K95+L08+L13+L21+L26+L50+L86+M07+M21+M70+M90+M91

Client order no.: Item no.:
Order no.: Consignment no.:
Offer no.: Project:
Remarks:

Rated data

Input

Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	775 A
Max. current	1188 A
Pulse number	6
Energy recovery capability	No (2Q)

Output:

Output voltage	400 V
Rated power (LO) in kW	400 kW
Rated power (HO) in kW	315 kW
Rated output current	745 A
Rated output current (LO)	725 A
Rated output current (HO)	570 A
Output current Max	1087 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:

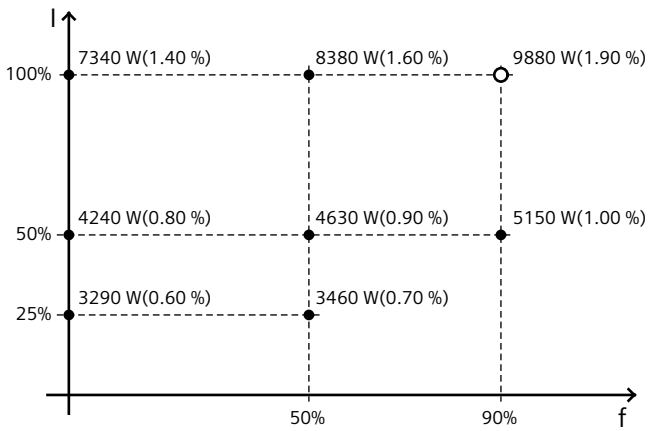
Power losses ΔP	9.88 kW
Power loss including options	10.63 kW
Sound pressure level L_{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP21
Dimensions (H x W x D)	2450 mm x 1200 mm x 600 mm
Weight approx.	750 kg
Frame size	H
Design	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	0.78 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	46.9 %



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

D01	Customer documentation in EPLAN format
D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
K82	Terminal interface for "Safe Torque Off" and "Safe Stop 1" safety functions
K95	Control Unit kit CU320-2 PN (PROFINET, EtherNet/IP)
L08	Motor reactor
L13	Line contactor (for currents <= 800 A for single connection)
L21	Surge suppression (recommended for IT system, L87 not included)
L26	Main switch including fuses or circuit breaker
L50	Cabinet lighting with service socket outlet
L86	PT100 evaluation unit
M07	Cable marshalling space 200 mm high, RAL 7035
M21	IP21 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)
M91	Marking of all control cable conductor ends