SIEMENS

Data sheet for SINAMICS G150

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

G60+K74+L13+L26+L62+L83+L84+M54

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	695 A
Rated output current (LO)	676 A
Rated output current (HO)	532 A
Output current Max	1087 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:

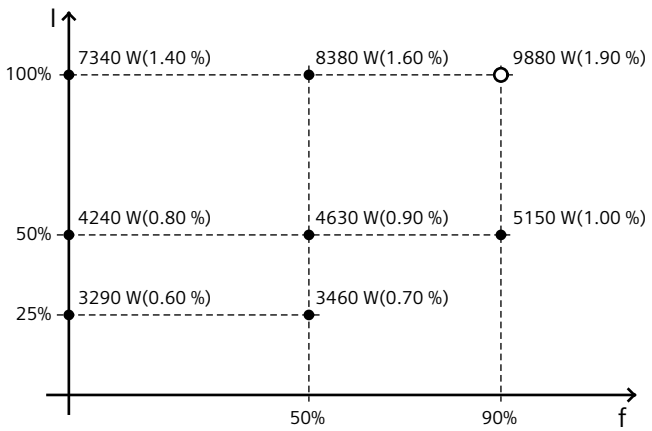
Power losses ΔP	9.88 kW
Power loss including options	9.88 kW
Sound pressure level L_{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP54
Dimensions (W x H x D)	2400 mm x 1200 mm x 600 mm
Weight approx.	750 kg
Frame size	H
Design	A
Color, paint shade	RAL7035

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

G60	TM31 customer terminal strip
K74	Supply of Cabinet internal AC 230 V auxiliary power
L13	Line contactor (for currents <= 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L62	50 kW braking module (P20 power: 200 kW)
L83	Thermal motor protection device (warning/alarm)
L84	Thermal motor protection device (shutdown/trip)
M54	IP54 degree of protection

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.