



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE37-5AA3-Z
M54

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	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 %

Relative Torque (I)	Relative Frequency (f)	Loss (W)	Loss (%)
25%	25%	3290	0.60%
25%	50%	3460	0.70%
50%	25%	4240	0.80%
50%	50%	4630	0.90%
50%	90%	5150	1.00%
100%	25%	7340	1.40%
100%	50%	8380	1.60%
100%	90%	9880	1.90%

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	
M54	IP54 degree of protection