SIEMENS

Data sheet for SINAMICS G150

Article No. : 6SL3710-1GF37-4AA3



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data

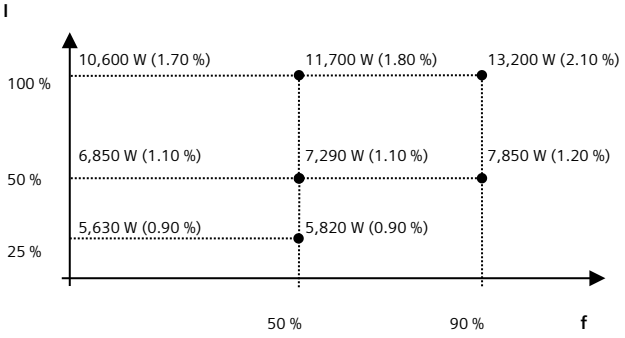
Input		
Supply frequency	47...63 Hz	
Supply voltage	500 V ±10 %	
Rated input current	764 A	
Max. current	1,164 A	
Pulse number	6	
Energy recovery capability	No	(2Q)
Output		
Output voltage	500 V	
Rated power (LO) in kW	500 kW	
Rated power (HO) in kW	450 kW	
Rated output current	735 A	
Rated output current (LO)	710 A	
Rated output current (HO)	657 A	
Output current Max	1,065 A	
Pulse frequency (factory setting)	1.25 kHz	
Basic data		
Power losses ΔP	13.2 kW	
Power loss including options	13.2 kW	
Sound pressure level L_{pA} (1 m)	72 dB	
Conductor cross section, max. (IEC)	8 x 240 mm²	
Degree of protection	IP20	
Dimensions (H x W x D)	2,000 mm x 1,600 mm x 600 mm	
Weight approx.	1,150 kg	
Frame size	J	
Design	A	
Color, paint shade	RAL7035	

Environmental conditions

Installation altitude	1,000 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%)	51 %



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