SIEMENS

Data sheet for SINAMICS G130

Article No. : 6SL3310-1GF31-8AA3



Figure similar

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

Item no. :
Consignment no. :
Project :

Rated data

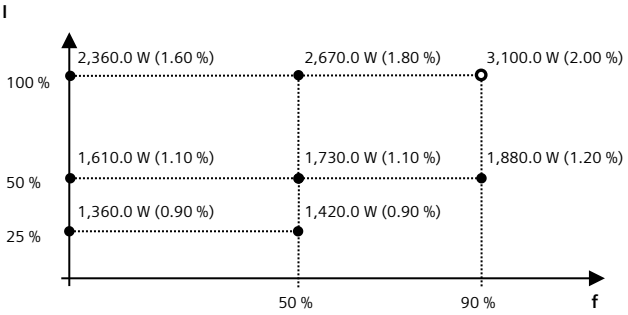
Input		
Supply frequency	47...63 Hz	
Supply voltage	500 V ±10 %	
Rated input current	191 A	
Max. current	279 A	
Pulse number	6	
Energy recovery capability	No	(2Q)
Output		
Output voltage	500 V	
Rated power (LO) in kW	110 kW	
Rated power (HO) in kW	90 kW	
Rated output current	175 A	
Rated output current (LO)	171 A	
Rated output current (HO)	157 A	
Output current Max	255 A	
Pulse frequency (factory setting)	1.25 kHz	
Basic data		
Power losses ΔP	3.1 kW	
Sound pressure level L_{pA} (1 m)	69 dB	
Conductor cross section, max. (IEC)	4 x 240 mm²	
Degree of protection	IP20	
Dimensions (H x W x D)	1,533 mm x 326 mm x 545 mm	
Weight approx.	176 kg	
Frame size	GX	

Environmental conditions

Installation altitude	1,000 m
Coolant	Air
Coolant requirement, air	0.36 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*

Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	49.9 %



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 without options/components.

*calculated values

Special design

Line-side power components

Load-side power components

DC link components

Supplementary system components

6SL30401GA011AA0 - Control Unit Kit CU320-2 PN (PROFINET, EtherNet/IP)