



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE41-0AA3-Z
D02+D14+L23+L26+L50+L84+M21+M70+M90

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

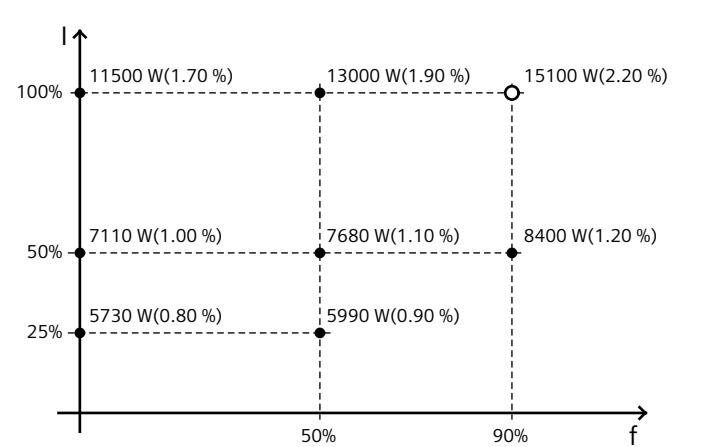
Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	1024 A
Max. current	1573 A
Pulse number	6
Energy recovery capability	No (2Q)
Output:	
Output voltage	400 V
Rated power (LO) in kW	560 kW
Rated power (HO) in kW	450 kW
Rated output current	985 A
Rated output current (LO)	960 A
Rated output current (HO)	860 A
Output current Max	1440 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:	
Power losses ΔP	15.1 kW
Power loss including options	15.6 kW
Sound pressure level L _{pA} (1 m)	72 dB
Conductor cross section, max. (IEC)	8 x 240 mm²
Degree of protection	IP21
Dimensions (H x W x D)	2250 mm x 1600 mm x 600 mm
Weight approx.	1100 kg
Frame size	J
Design	A
Color, paint shade	RAL7035

Environmental conditions	
Installation altitude	1000 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%)	54.1 %



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	
D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
D14	Preliminary generation of customer documentation
L23	Line reactor uk = 2 % (for converters > 500 kW)
L26	Main switch including fuses or circuit breaker
L50	Cabinet lighting with service socket outlet
L84	Thermal motor protection device (shutdown/trip)
M21	IP21 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)

Article No. : 6SL3710-1GE41-0AA3-Z
D02+D14+L23+L26+L50+L84+M21+M70+M90



Figure similar

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

Item no. :
Consignment no. :
Project :

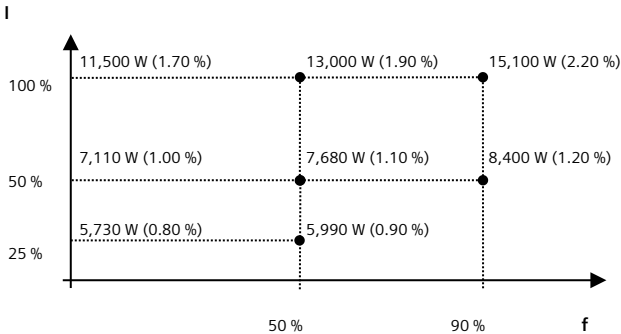
Rated data		
Input		
Supply frequency	47...63 Hz	
Supply voltage	400 V ±10 %	
Rated input current	1,024 A	
Max. current	1,573 A	
Pulse number	6	
Energy recovery capability	No	(2Q)

Output		
Output voltage	400 V	
Rated power (LO) in kW	560 kW	
Rated power (HO) in kW	450 kW	
Rated output current	985 A	
Rated output current (LO)	960 A	
Rated output current (HO)	860 A	
Output current Max	1,440 A	
Pulse frequency (factory setting)	1.25 kHz	

Basic data		
Power losses ΔP	15.1 kW	
Power loss including options	15.6 kW	
Sound pressure level L _{pA} (1 m)	72 dB	
Conductor cross section, max. (IEC)	8 x 240 mm ²	
Degree of protection	IP21	
Dimensions (H x W x D)	2,250 mm x 1,600 mm x 600 mm	
Weight approx.	1,100 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

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