



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-2GE41-6AA3-Z
D14+D80+G51+G60+K82+L23+L45+L50+L57+M06+M54+M70+M90+T80

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

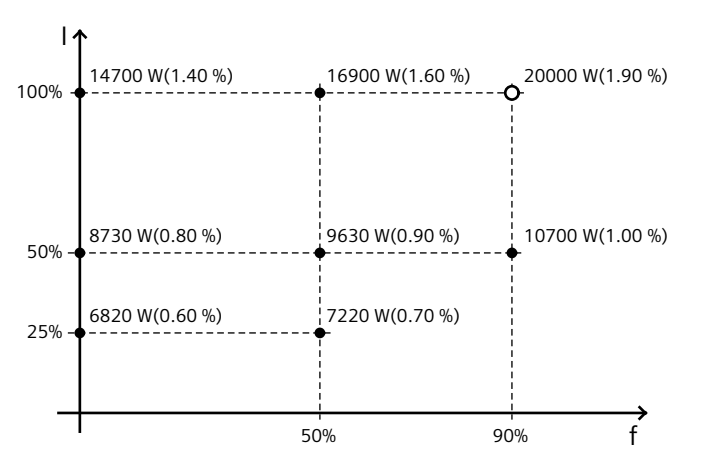
Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	1624 A
Max. current	2495 A
Pulse number	12
Energy recovery capability	No (2Q)
Output:	
Output voltage	400 V
Rated power (LO) in kW	900 kW
Rated power (HO) in kW	710 kW
Rated output current	1455 A
Rated output current (LO)	1414 A
Rated output current (HO)	1207 A
Pulse frequency (factory setting)	1.25 kHz

Basic data:	
Power losses ΔP	20 kW
Power loss including options	20.46 kW
Sound pressure level L _{pA} (1 m)	73 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP54
Dimensions (H x W x D)	2500 mm x 2400 mm x 600 mm
Weight approx.	2130 kg
Frame size	HX
Design	A
Color, paint shade	RAL7035

Environmental conditions	
Installation altitude	1000 m
Coolant	Air
Coolant requirement, air	1.56 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	45.4 %



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	
D14	Preliminary generation of customer documentation
D80	Documentation language: English/Italian
G51	1x TM150 temperature sensor evaluation unit
G60	TM31 customer terminal strip
K82	Terminal interface for "Safe Torque Off" and "Safe Stop 1" safety functions
L23	Line reactor uk = 2 % (for converters > 500 kW)
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L50	Cabinet lighting with service socket outlet
L57	EMERGENCY OFF, Category 0, uncontrolled stopping
M06	Base 100 mm high, RAL 7022
M54	IP54 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)
T80	Rating plate data in English/Italian