



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE37-5AA3-Z
G60+K50+K74+K95+L01+L08+L13+L26+L57+L83+L86+M06+M70+M90

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

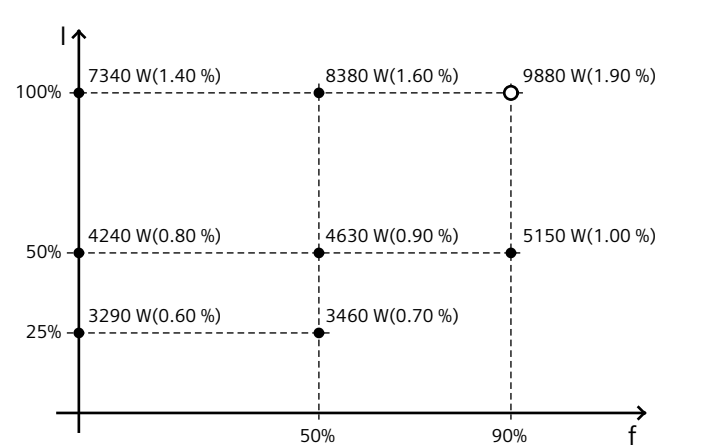
Item no.:
Consignment no.:
Project:

Rated data	
Input	
Supply frequency	47...63 Hz
Supply voltage	400 V ±10%
Rated input current	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	745 A
Rated output current (LO)	725 A
Rated output current (HO)	570 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	16.25 kW
Sound pressure level L _{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (H x W x D)	2100 mm x 1800 mm x 600 mm
Weight approx.	1170 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 %



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	
G60	TM31 customer terminal strip
K50	Sensor Module Cabinet-Mounted SMC30
K74	Supply of Cabinet internal AC 230 V auxiliary power
K95	Control Unit kit CU320-2 PN (PROFINET, EtherNet/IP)
L01	Clean Power version with integrated Line Harmonics Filter
L08	Motor reactor
L13	Line contactor (for currents <= 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L57	EMERGENCY OFF, Category 0, uncontrolled stopping
L83	Thermal motor protection device (warning/alarm)
L86	PT100 evaluation unit
M06	Base 100 mm high, RAL 7022
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)