

Data sheet for SINAMICS G150



MLFB-Ordering data:

6SL3710-1GE37-5AA3-Z

D04+D14+D94+K50+L13+L26+L50+L59+M06+M21+M70+M90+T85

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	400 V $\pm 10\%$
Rated input current	775 A
Max. current	1188 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (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 (default setting)	1.25 kHz

Basic data:

Power losses ΔP	9.6 kW
Power loss including options	9.6 kW
Sound pressure level L_{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP21
Dimensions (H x W x D)	2350 mm x 1200 mm x 600 mm
Weight approx.	750 kg
Frame size	H
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.78 m ³ /s
Ambient temperature	0 °C - +40 °C

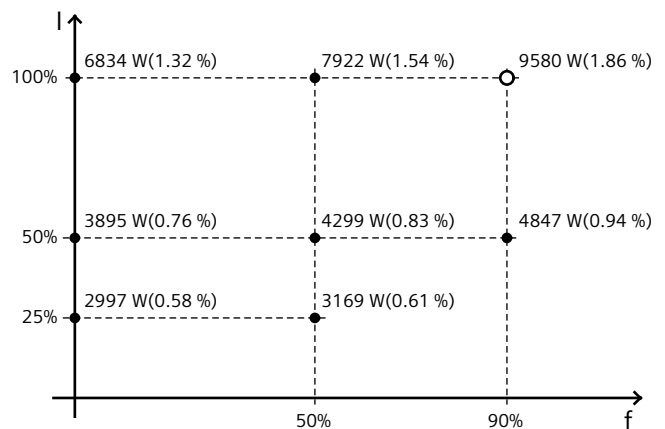
Converter losses to EN 50598-2*

Efficiency class

IE2

Comparison with the reference converter (90% / 100%)

-54.51 %



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 EN 50598) 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.

*converted values

Special design

D04	Customer documentation in paper form
D14	Preliminary generation of customer documentation
D94	Documentation language: English/Russian
K50	Sensor Module Cabinet-Mounted SMC30
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L50	Cabinet lighting with service socket outlet
L59	EMERGENCY STOP Category 1 230 V AC
M06	Base 100 mm high, RAL 7022
M21	IP21 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)
T85	Rating plate data in English/Russian