

Data sheet for SINAMICS G150



MLFB-Ordering data:

6SL3710-1GE37-5AA3-Z

D02+D04+G33+G60+K74+L00+L07+L13+L26+L45+L57+L62+L83+L84+M21+M90

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	10.26 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)	2250 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

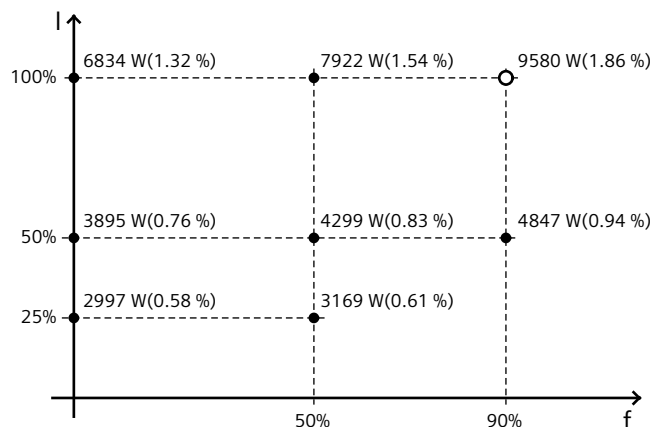
Converter losses to EN 50598-2*

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

D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
D04	Customer documentation in paper form
G33	Communication Board CBE20 (PROFINET)
G60	TM31 customer terminal strip
K74	Supply of Cabinet internal AC 230 V auxiliary power
L00	Use in the first environment according to EN 61800-3 Category C2 (TN line supplies or TT line supplies with a grounded neutral point)
L07	du/dt filter compact plus Voltage Peak Limiter
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L57	EMERGENCY OFF Category 0, AC 230 V or 24 V DC
L62	50 kW braking module (P20 power: 200 kW)
L83	Thermal motor protection device (warning/alarm)
L84	Thermal motor protection device (shutdown/trip)
M21	IP21 degree of protection
M90	Crane transport assembly (mounted at the top)