

Data sheet for SINAMICS G150



MLFB-Ordering data:

6SL3710-1GE33-1AA3-Z

D02+D14+D80+G60+K74+K82+L00+L13+L26+L57+M06+M54+M90+T80

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	338 A
Max. current	495 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	160 kW
Rated power (HO) in kW	132 kW
Rated output current	289 A
Rated output current (LO)	282 A
Rated output current (HO)	258 A

Pulse frequency (default setting)	2 kHz
-----------------------------------	-------

Basic data:

Power losses ΔP	4.4 kW
Power loss including options	4.45 kW
Sound pressure level L_{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP54
Dimensions (H x W x D)	2500 mm x 800 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.36 m ³ /s
Ambient temperature	0 °C - +40 °C

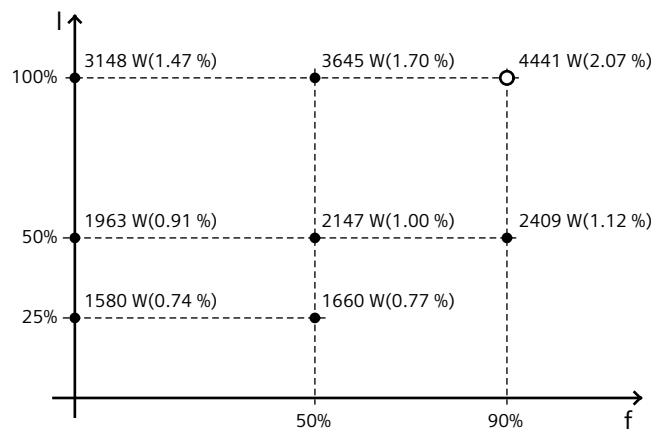
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-49.19 %



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
D14	Preliminary generation of customer documentation
D80	Documentation language: English/Italian
G60	TM31 customer terminal strip
K74	Supply of Cabinet internal AC 230 V auxiliary power
K82	Terminal module to control Safe Torque Off and Safe STOP 1 safety functions
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)
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L57	EMERGENCY OFF Category 0, AC 230 V or 24 V DC
M06	Base 100 mm high, RAL 7022
M54	IP54 degree of protection
M90	Crane transport assembly (mounted at the top)
T80	Rating plate data in English/Italian