

Data sheet for SINAMICS G150



MLFB-Ordering data:

6SL3710-1GF33-3AA3-Z

D02+D04+D14+G60+K50+K74+L08+L13+L26+M06+M54+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	500 V $\pm 10\%$
Rated input current	343 A
Max. current	525 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	500 V
Rated output (LO) in kW	200 kW
Rated power (HO) in kW	160 kW
Rated output current	308 A
Rated output current (LO)	299 A
Rated output current (HO)	261 A
Output current Max	480 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	6.1 kW
Power loss including options	6.48 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.	460 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

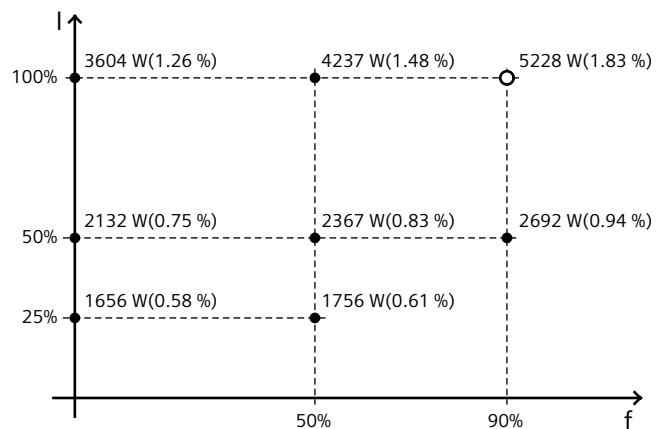
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-55.38 %



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
D14	Preliminary generation of customer documentation
G60	TM31 customer terminal strip
K50	Sensor Module Cabinet-Mounted SMC30
K74	Supply of Cabinet internal AC 230 V auxiliary power
L08	Motor reactor
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
M06	Base 100 mm high, RAL 7022
M54	IP54 degree of protection
M90	Crane transport assembly (mounted at the top)