

Data sheet for SINAMICS G150



MLFB-Ordering data:

6SL3710-1GE36-1AA3-Z

D02+D14+D60+G60+L01+L13+L26+L55+M07+M43+M90+Q82+T60

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Rated data	
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Input

Supply frequency	47...63 Hz
Input supply voltage	400 V $\pm 10\%$
Rated input current	629 A
Max. current	967 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	315 kW
Rated power (HO) in kW	250 kW
Rated output current	605 A
Rated output current (LO)	590 A
Rated output current (HO)	460 A
Output current Max	885 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

Power losses ΔP	8.2 kW
Power loss including options	12.77 kW
Sound pressure level L_{pA} (1 m)	70 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP43
Dimensions (H x W x D)	2600 mm x 1800 mm x 600 mm
Weight approx.	1300 kg
Frame size	H
Type	A
Color, paint shade	RAL7035

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

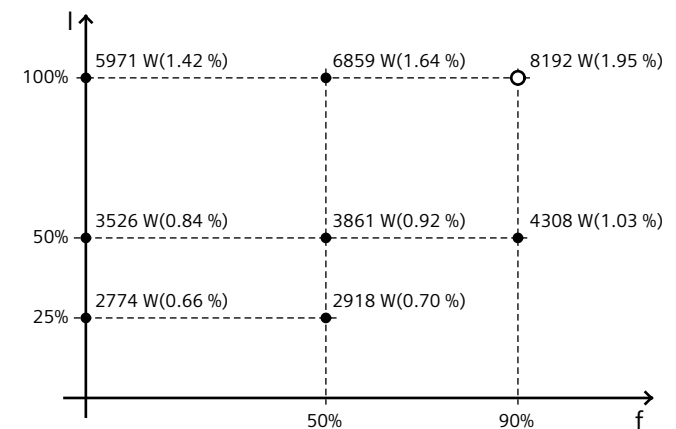
Converter losses to EN 50598-2*	
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Efficiency class

IE2

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

-52.22 %



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	
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D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format
D14	Preliminary generation of customer documentation
D60	Documentation language: English/Spanish
G60	TM31 customer terminal strip
L01	Clean Power version with integrated Line Harmonics Filter
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L55	Cabinet anti-condensation heating
M07	Cable marshalling space 200 mm high, RAL 7035
M43	IP43 degree of protection
M90	Crane transport assembly (mounted at the top)
Q82	Extension of the liability for defects by 24 months to a total of 36 months (3 years) from delivery
T60	Rating plate data in English/Spanish