

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-2GF38-6AA3-Z**
G60+L21+L23+L26+L45+L55+L57+L87+M43+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 ±10%
Rated input current	904 A
Max. current	1388 A
Pulse number	12
Regenerative capability	No (2Q)

Output:

Output voltage	500 V
Rated output (LO) in kW	630 kW
Rated power (HO) in kW	560 kW
Rated output current	860 A
Rated output current (LO)	836 A
Rated output current (HO)	770 A

Pulse frequency (default setting)	1.25 kHz
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Basic data:

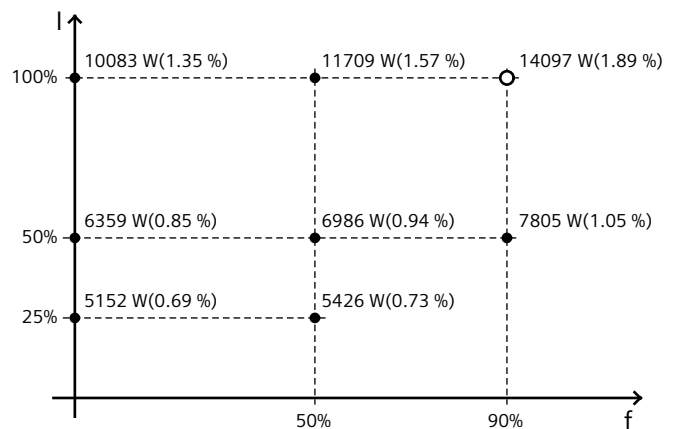
Power losses ΔP	15.4 kW
Power loss including options	15.88 kW
Sound pressure level L_{pA} (1 m)	75 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP43
Dimensions (H x W x D)	2400 mm x 2400 mm x 600 mm
Weight approx.	1700 kg
Frame size	HX
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	1.56 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 %



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

G60	TM31 customer terminal strip
L21	Surge suppression (recommended for IT system, L87 not included)
L23	Line reactor $u_k = 2\%$ (for converters > 500 kW)
L26	Main switch including fuses or circuit breaker
L45	EMERGENCY OFF pushbutton, mounted in the cabinet door
L55	Cabinet anti-condensation heating
L57	EMERGENCY OFF Category 0, AC 230 V or 24 V DC
L87	Insulation monitoring
M43	IP43 degree of protection
M90	Crane transport assembly (mounted at the top)