

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-2GH41-4AA3-Z
G60+K74+L26+L55+L87

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Rated data

Input

Supply frequency	47...63 Hz
Input supply voltage	690 V ±10%
Rated input current	1424 A
Max. current	2186 A
Pulse number	12
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	1350 kW
Rated power (HO) in kW	1200 kW
Rated output current	1360 A
Rated output current (LO)	1314 A
Rated output current (HO)	1216 A

Pulse frequency (default setting)	1.25 kHz
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Basic data:

Power losses ΔP	26.6 kW
Power loss including options	26.6 kW
Sound pressure level L_{pA} (1 m)	75 dB
Conductor cross section, max. (IEC)	8 x 240 mm ²
Degree of protection	IP20
Dimensions (H x W x D)	2000 mm x 3200 mm x 600 mm
Weight approx.	2620 kg
Frame size	JX
Type	A
Color, paint shade	RAL7035

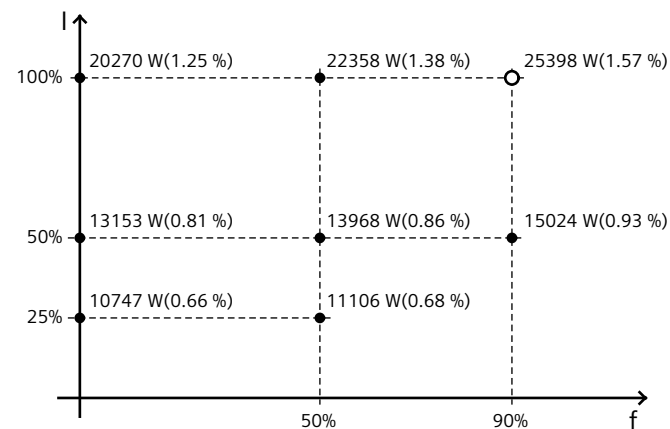
Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	2.96 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%) -65 %



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
K74	Supply of Cabinet internal AC 230 V auxiliary power
L26	Main switch including fuses or circuit breaker
L55	Cabinet anti-condensation heating
L87	Insulation monitoring

¹⁾ The L50 and L55 options always require an external supply voltage and may not be supplied via option K74.