

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-2GE41-1AA3-Z**
K74+L23+L26+L45+L57+L83+L84+M43

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	1174 A
Max. current	1800 A
Pulse number	12
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	630 kW
Rated power (HO) in kW	500 kW
Rated output current	1120 A
Rated output current (LO)	1092 A
Rated output current (HO)	850 A

Pulse frequency (default setting)	1.25 kHz
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Basic data:

Power losses ΔP	16.2 kW
Power loss including options	16.57 kW
Sound pressure level L_{pA} (1 m)	73 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

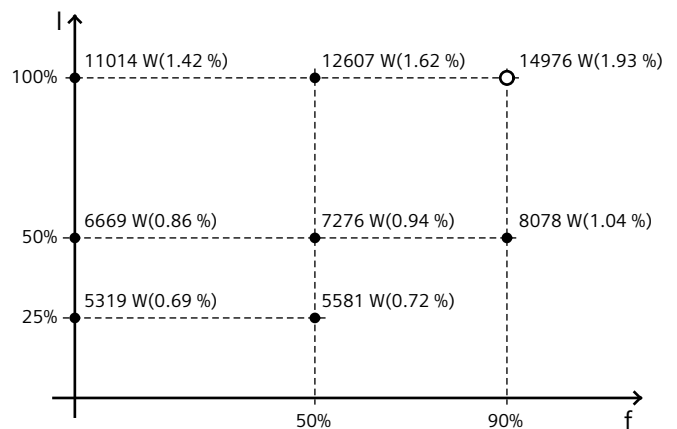
Converter losses to EN 50598-2*

Efficiency class

IE2

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

-52 %



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

K74	Supply of Cabinet internal AC 230 V auxiliary power
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
L57	EMERGENCY OFF Category 0, AC 230 V or 24 V DC
L83	Thermal motor protection device (warning/alarm)
L84	Thermal motor protection device (shutdown/trip)
M43	IP43 degree of protection