

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-1GH31-8AA3-Z**
K74+K82+L13+L26+L59+M07+M21+M70+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	690 V $\pm 10\%$
Rated input current	191 A
Max. current	279 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	690 V
Rated output (LO) in kW	160 kW
Rated power (HO) in kW	132 kW
Rated output current	175 A
Rated output current (LO)	171 A
Rated output current (HO)	157 A
Output current Max	255 A
Pulse frequency (default setting)	1.25 kHz

Basic data:

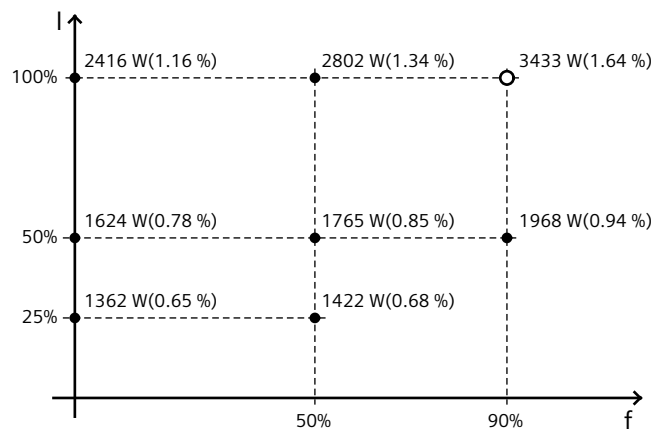
Power losses ΔP	3.8 kW
Power loss including options	3.8 kW
Sound pressure level L_{pA} (1 m)	67 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP21
Dimensions (H x W x D)	2450 mm x 800 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Type	A
Color, paint shade	RAL7035

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%) -59.61 %



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
K82	Terminal module to control Safe Torque Off and Safe STOP 1 safety functions
L13	Line contactor (for currents ≤ 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L59	EMERGENCY STOP Category 1 230 V AC
M07	Cable marshallng space 200 mm high, RAL 7035
M21	IP21 degree of protection
M70	EMC shield rail (cable connection from below)
M90	Crane transport assembly (mounted at the top)