

## Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GF31-8CA3

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 $\pm 10\%$
Rated input current	191 A
Max. current	279 A
Pulse number	6
Regenerative capability	No (2Q)

#### Output:

Output voltage	500 V
Rated output (LO) in kW	110 kW
Rated power (HO) in kW	90 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 $\Delta P$	3.3 kW
Power loss including options	3.3 kW
Sound pressure level $L_{pA}$ (1 m)	69 dB
Conductor cross section, max. (IEC)	2 x 240 mm <sup>2</sup>
Degree of protection	IP20
Dimensions (H x W x D)	2000 mm x 400 mm x 600 mm
Weight approx.	300 kg
Frame size	G
Type	C (compact)
Color, paint shade	RAL7035

### Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.36 m <sup>3</sup> /s
Ambient temperature	0 °C - +40 °C

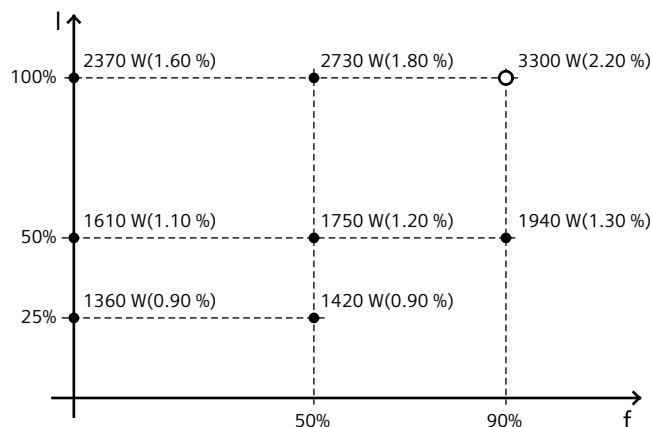
### Converter losses to IEC61800-9-2\*

Efficiency class

IE2

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

53.1 %



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 IEC61800-9-2) 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