

## Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GH28-5CA3

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     | 93 A             |
| Max. current            | 131 A            |
| Pulse number            | 6                |
| Regenerative capability | No (2Q)          |

#### Output:

|                                   |          |
|-----------------------------------|----------|
| Output voltage                    | 690 V    |
| Rated output (LO) in kW           | 75 kW    |
| Rated power (HO) in kW            | 55 kW    |
| Rated output current              | 85 A     |
| Rated output current (LO)         | 80 A     |
| Rated output current (HO)         | 76 A     |
| Output current Max                | 120 A    |
| Pulse frequency (default setting) | 1.25 kHz |

#### Basic data:

|                                     |                           |
|-------------------------------------|---------------------------|
| Power losses $\Delta P$             | 1.7 kW                    |
| Power loss including options        | 1.7 kW                    |
| Sound pressure level $L_{pA}$ (1 m) | 67 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.                      | 225 kg                    |
| Frame size                          | F                         |
| Type                                | C (compact)               |
| Color, paint shade                  | RAL7035                   |

### Environmental conditions

|                          |                        |
|--------------------------|------------------------|
| Installation altitude    | 1000 m                 |
| Coolant                  | Air                    |
| Air cooling requirements | 0.17 m <sup>3</sup> /s |
| Ambient temperature      | 0 °C - +40 °C          |

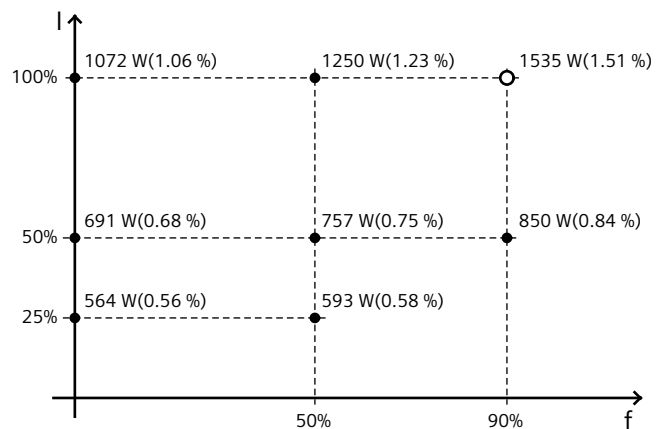
### Converter losses to EN 50598-2\*

Efficiency class

IE2

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

-67.51 %



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