

## Data sheet for SINAMICS G150



### MLFB-Ordering data:

6SL3710-1GE33-8AA3-Z

D02+D14+D60+G60+L01+L13+L26+L55+M07+M43+M90+Q82+T60

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     | 395 A            |
| Max. current            | 606 A            |
| Pulse number            | 6                |
| Regenerative capability | No (2Q)          |

#### Output:

|                                   |        |
|-----------------------------------|--------|
| Output voltage                    | 400 V  |
| Rated output (LO) in kW           | 200 kW |
| Rated power (HO) in kW            | 160 kW |
| Rated output current              | 380 A  |
| Rated output current (LO)         | 370 A  |
| Rated output current (HO)         | 340 A  |
| Output current Max                | 555 A  |
| Pulse frequency (default setting) | 2 kHz  |

#### Basic data:

|                                     |                            |
|-------------------------------------|----------------------------|
| Power losses $\Delta P$             | 5.3 kW                     |
| Power loss including options        | 8.28 kW                    |
| Sound pressure level $L_{pA}$ (1 m) | 69 dB                      |
| Conductor cross section, max. (IEC) | 4 x 240 mm <sup>2</sup>    |
| Degree of protection                | IP43                       |
| Dimensions (H x W x D)              | 2600 mm x 1400 mm x 600 mm |
| Weight approx.                      | 730 kg                     |
| Frame size                          | G                          |
| Type                                | A                          |
| 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          |

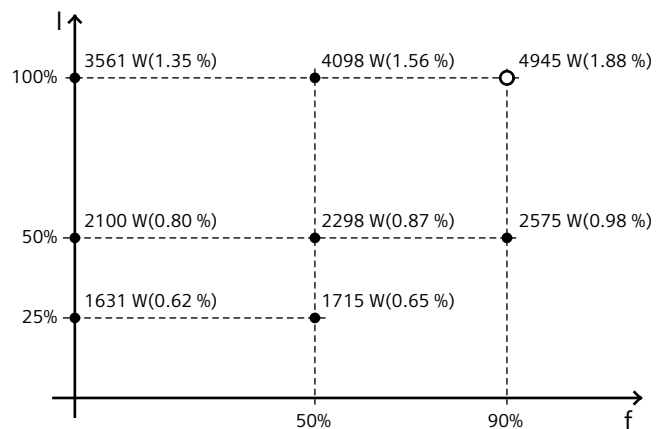
### Converter losses to EN 50598-2\*

Efficiency class

IE2

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

-54.19 %



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

|     |                                                                                                     |
|-----|-----------------------------------------------------------------------------------------------------|
| D02 | Customer documentation (circuit, terminal, layout diagram) in the DXF format                        |
| D14 | Preliminary generation of customer documentation                                                    |
| D60 | Documentation language: English/Spanish                                                             |
| G60 | TM31 customer terminal strip                                                                        |
| L01 | Clean Power version with integrated Line Harmonics Filter                                           |
| L13 | Line contactor (for currents $\leq 800$ A for single connection)                                    |
| L26 | Main switch including fuses or circuit breaker                                                      |
| L55 | Cabinet anti-condensation heating                                                                   |
| M07 | Cable marshalling space 200 mm high, RAL 7035                                                       |
| M43 | IP43 degree of protection                                                                           |
| M90 | Crane transport assembly (mounted at the top)                                                       |
| Q82 | Extension of the liability for defects by 24 months to a total of 36 months (3 years) from delivery |
| T60 | Rating plate data in English/Spanish                                                                |