

## Data sheet for SINAMICS G150



### MLFB-Ordering data:

**6SL3710-1GH35-8AA3-Z**

D14+G33+G60+K74+L01+L13+L57+L87+M43+M70+M90+M91+Q80+Y32

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 ±10% |
| Rated input current     | 598 A      |
| Max. current            | 918 A      |
| Pulse number            | 6          |
| Regenerative capability | No (2Q)    |

#### Output:

|                                   |          |
|-----------------------------------|----------|
| Output voltage                    | 690 V    |
| Rated output (LO) in kW           | 560 kW   |
| Rated power (HO) in kW            | 450 kW   |
| Rated output current              | 575 A    |
| Rated output current (LO)         | 560 A    |
| Rated output current (HO)         | 514 A    |
| Output current Max                | 840 A    |
| Pulse frequency (default setting) | 1.25 kHz |

#### Basic data:

|                                     |                            |
|-------------------------------------|----------------------------|
| Power losses $\Delta P$             | 9.85 kW                    |
| Power loss including options        | 17.22 kW                   |
| Sound pressure level $L_{pA}$ (1 m) | 72 dB                      |
| Conductor cross section, max. (IEC) | 4 x 240 mm <sup>2</sup>    |
| Degree of protection                | IP43                       |
| Dimensions (H x W x D)              | 2400 mm x 1800 mm x 600 mm |
| Weight approx.                      | 1370 kg                    |
| Frame size                          | H                          |
| Type                                | A                          |
| Color, paint shade                  | RAL7035                    |

### Environmental conditions

|                          |                        |
|--------------------------|------------------------|
| Installation altitude    | 1000 m                 |
| Coolant                  | Air                    |
| Air cooling requirements | 0.78 m <sup>3</sup> /s |
| Ambient temperature      | 0 °C - +40 °C          |

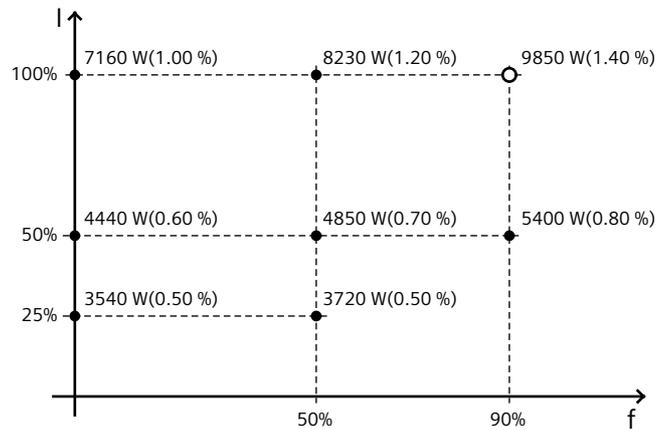
### Converter losses to IEC61800-9-2\*

Efficiency class

IE2

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

35.1 %



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

|     |   |
|-----|---|
| D14 | Preliminary generation of customer documentation  |
| G33 | Communication Board CBE20 (PROFINET)  |
| G60 | TM31 customer terminal strip  |
| K74 | Supply of Cabinet internal AC 230 V auxiliary power   |
| L01 | Clean Power version with integrated Line Harmonics Filter   |
| L13 | Line contactor (for currents ≤ 800 A for single connection)   |
| L57 | EMERGENCY OFF Category 0, AC 230 V or 24 V DC   |
| L87 | Insulation monitoring   |
| M43 | IP43 degree of protection   |
| M70 | EMC shield rail (cable connection from below)   |
| M90 | Crane transport assembly (mounted at the top)   |
| M91 | Marking of all control cable conductor ends   |
| Q80 | Extension of the liability for defects by 12 months to a total of 24 months (2 years) from delivery |
| Y32 | Two-line label for plant identification, 40 x 180 mm  |