

## **Data sheet for SINAMICS G150**

MLFB-Ordering data:

6SL3710-1GH38-1AA3

Client order no.: Order no.: Offer no.: Remarks:

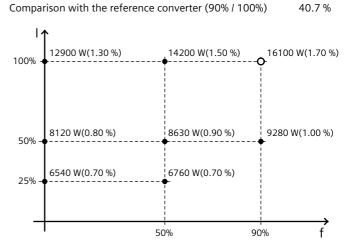
Item no.: Consignment no.: Project:

Efficiency class

|  |  | 1 1 1 |
|--|--|-------|
|  |  |       |
|  |  |       |
|  |  |       |

1.25 kHz

| Rated data                 |            |  |  |  |
|----------------------------|------------|--|--|--|
| Input                      |            |  |  |  |
| Supply frequency           | 4763 Hz    |  |  |  |
| Supply voltage             | 690 V ±10% |  |  |  |
| Rated input current        | 842 A      |  |  |  |
| Max. current               | 1295 A     |  |  |  |
| Pulse number               | 6          |  |  |  |
| Energy recovery capability | No (2Q)    |  |  |  |
| Output:                    |            |  |  |  |
| Output voltage             | 690 V      |  |  |  |
| Rated power (LO) in kW     | 800 kW     |  |  |  |
| Rated power (HO) in kW     | 710 kW     |  |  |  |
| Rated output current       | 810 A      |  |  |  |
| Rated output current (LO)  | 790 A      |  |  |  |
| Rated output current (HO)  | 724 A      |  |  |  |
| Output current Max         | 1185 A     |  |  |  |



Converter losses to IEC61800-9-2\*

IE2

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.

\*calculated values

## **Basic data:**

Pulse frequency (factory setting)

| Power losses ΔP                            | 16.1 kW                    |
|--|----------------------------|
| Power loss including options               | 16.1 kW                    |
| Sound pressure level L <sub>pA</sub> (1 m) | 72 dB                      |
| Conductor cross section, max. (IEC)        | 8 x 240 mm²                |
| Degree of protection                       | IP20                       |
| Dimensions (W x H x D)                     | 2000 mm x 1600 mm x 600 mm |
| Weight approx.                             | 1360 kg                    |
| Frame size                                 | J                          |
| Design                                     | Α                          |
| Color, paint shade                         | RAL7035                    |

| Specia | l design |
|--------|----------|
|--------|----------|

| Environmental conditions |               |  |  |  |
|--------------------------|---------------|--|--|--|
| Installation altitude    | 1000 m        |  |  |  |
| Coolant                  | Air           |  |  |  |
| Coolant requirement, air | 1.48 m³/s     |  |  |  |
| Ambient temperature      | 0 °C - +40 °C |  |  |  |

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.