SIEMENS

# Data sheet for SINAMICS G150

## Article No. : 6SL3710-1GF38-1AA3



Figure similar

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

Item no. :
Consignment no. :
Project :

### Rated data

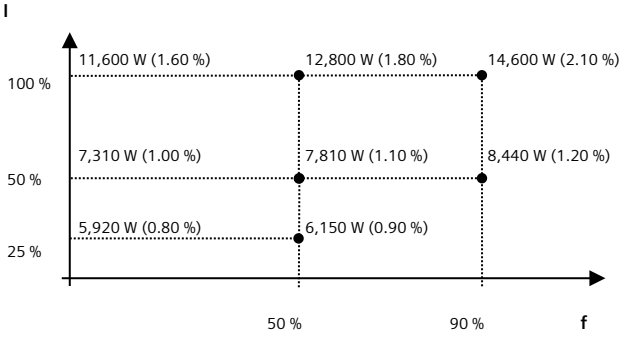
| | | |
|---|---|---|
| **Input** | | |
| Supply frequency | 47...63 Hz | |
| Supply voltage | 500 V ±10 % | |
| Rated input current | 842 A | |
| Max. current | 1,295 A | |
| Pulse number | 6 | |
| Energy recovery capability | No | (2Q) |
| **Output** | | |
| Output voltage | 500 V | |
| Rated power (LO) in kW | 560 kW | |
| Rated power (HO) in kW | 500 kW | |
| Rated output current | 810 A | |
| Rated output current (LO) | 790 A | |
| Rated output current (HO) | 724 A | |
| Output current Max | 1,185 A | |
| Pulse frequency (factory setting) | 1.25 kHz | |
| **Basic data** | | |
| Power losses ΔP | 14.6 kW | |
| Power loss including options | 14.6 kW | |
| Sound pressure level $L_{pA}$ (1 m) | 72 dB | |
| Conductor cross section, max. (IEC) | 8 x 240 mm² | |
| Degree of protection | IP20 | |
| Dimensions (H x W x D) | 2,000 mm x 1,600 mm x 600 mm | |
| Weight approx. | 1,150 kg | |
| Frame size | J | |
| Design | A | |
| Color, paint shade | RAL7035 | |

### Environmental conditions

| | |
|---|---|
| Installation altitude | 1,000 m |
| Coolant | Air |
| Coolant requirement, air | 1.48 m³/s |
| Ambient temperature | 0 °C - +40 °C |

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

| | |
|---|---|
| Efficiency class | IE2 |
| Comparison with the reference converter (90% / 100%) | 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 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