SIEMENS

# Data sheet for SINAMICS G150



**MLFB-Ordering data:** 6SL3710-1GH31-2AA3

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

Item no.:
Consignment no.:
Project:

## Rated data

### Input

| | |
|---|---|
| Supply frequency | 47...63 Hz |
| Supply voltage | 690 V ±10% |
| Rated input current | 131 A |
| Max. current | 188 A |
| Pulse number | 6 |
| Energy recovery capability | No (2Q) |

### Output:

| | |
|---|---|
| Output voltage | 690 V |
| Rated power (LO) in kW | 110 kW |
| Rated power (HO) in kW | 90 kW |
| Rated output current | 120 A |
| Rated output current (LO) | 115 A |
| Rated output current (HO) | 107 A |
| Output current Max | 172 A |
| Pulse frequency (factory setting) | 1.25 kHz |

### Basic data:

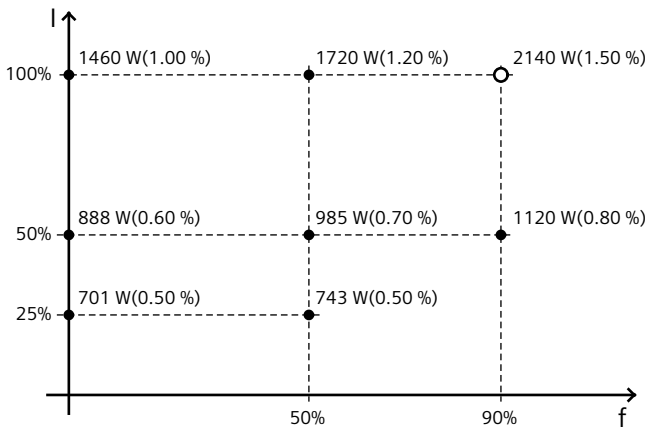
| | |
|---|---|
| Power losses ΔP | 2.14 kW |
| Power loss including options | 2.14 kW |
| Sound pressure level $L_{pA}$ (1 m) | 67 dB |
| Conductor cross section, max. (IEC) | 4 x 240 mm² |
| Degree of protection | IP20 |
| Dimensions (W x H x D) | 2000 mm x 800 mm x 600 mm |
| Weight approx. | 460 kg |
| Frame size | F |
| Design | A |
| Color, paint shade | RAL7035 |

## Environmental conditions

| | |
|---|---|
| Installation altitude | 1000 m |
| Coolant | Air |
| Coolant requirement, air | 0.17 m³/s |
| Ambient temperature | 0 °C - +40 °C |

## Converter losses to IEC61800-9-2*

| | |
|---|---|
| Efficiency class | IE2 |
| Comparison with the reference converter (90% / 100%) | 36.4 % |




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

## Special design