

## Data sheet for SINAMICS G150



### MLFB-Ordering data:

6SL3710-1GE35-0AA3-Z

D04+G33+G60+K74+L01+L10+L13+L21+L62+L76+M21+M90

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	509 A
Max. current	781 A
Pulse number	6
Regenerative capability	No (2Q)

#### Output:

Output voltage	400 V
Rated output (LO) in kW	250 kW
Rated power (HO) in kW	200 kW
Rated output current	490 A
Rated output current (LO)	477 A
Rated output current (HO)	438 A
Output current Max	715 A
Pulse frequency (default setting)	2 kHz

#### Basic data:

Power losses $\Delta P$	6.4 kW
Power loss including options	11.03 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	IP21
Dimensions (H x W x D)	2250 mm x 1400 mm x 600 mm
Weight approx.	770 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

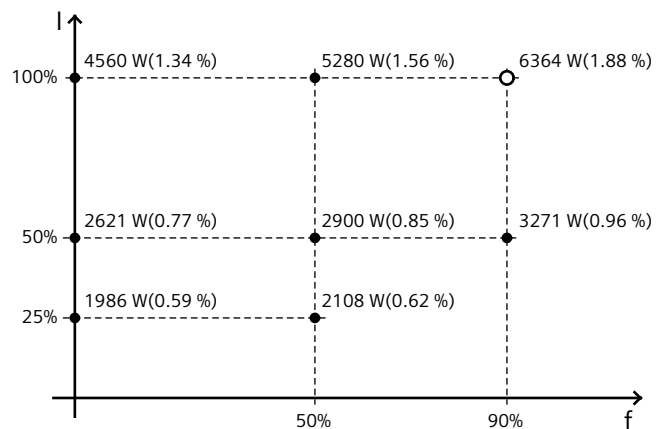
### Converter losses to EN 50598-2\*

Efficiency class

IE2

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

-54.17 %



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

D04	Customer documentation in paper form
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
L10	du/dt filter plus Voltage Peak Limiter
L13	Line contactor (for currents $\leq 800$ A for single connection)
L21	Surge suppression (recommended for IT system, L87 not included)
L62	50 kW braking module (P20 power: 200 kW)
M21	IP21 degree of protection
M90	Crane transport assembly (mounted at the top)