

## **Data sheet for SINAMICS G150**

MLFB-Ordering data: 6SL3710-1GE38-4AA3-Z

D14+G60+K74+L26+L45+L50+L57+M54

No

(2Q)

Client order no.: Order no.:

Offer no.: Remarks:

Item no.: Consignment no.: Project:

Rated data		
Input		
Supply frequency	4763 Hz	
Input supply voltage	400 V ±10%	
Rated input current	873 A	
Max. current	1344 A	
Pulse number	6	

## **Output:**

Regenerative capability

Output.	
Output voltage	400 V
Rated output (LO) in kW	450 kW
Rated power (HO) in kW	400 kW
Rated output current	784 A
Rated output current (LO)	765 A
Rated output current (HO)	653 A
Output current Max	1230 A
Pulse frequency (default setting)	1.25 kHz

#### Basic data:

Ambient temperature

Power losses ΔP	10.8 kW
Power loss including options	10.8 kW
Sound pressure level L <sub>pA</sub> (1 m)	70 dB
Conductor cross section, max. (IEC)	8 x 240 mm²
Degree of protection	IP54
Dimensions (H x W x D)	2400 mm x 1200 mm x 600 mm
Weight approx.	780 kg
Frame size	н
Туре	А
Color, paint shade	RAL7035

#### **Environmental conditions**

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.78 m³/s

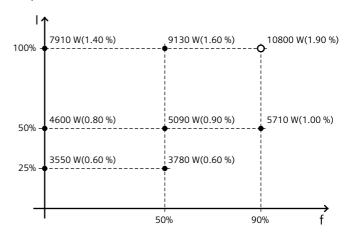
Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

 $0 \,^{\circ}\text{C}$  -  $+40 \,^{\circ}\text{C}$ 

# Converter losses to IEC61800-9-2\*

Efficiency class IE2

Comparison with the reference converter (90% / 100%) 45.6 %



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

L57 M54

### Special design

Preliminary generation of customer documentation D14 TM31 customer terminal strip G60 Supply of Cabinet internal AC 230 V auxiliary power K74 L26 Main switch including fuses or circuit breaker EMERGENCY OFF pushbutton, mounted in the cabinet door L45 L50 Cabinet lighting with service socket outlet

EMERGENCY OFF, Category 0, uncontrolled stopping

IP54 degree of protection

 $<sup>^{1)}</sup>$  The L50 and L55 options always require an external supply voltage and may not be supplied via