

Data sheet for SINAMICS G150



MLFB-Ordering data: 6SL3710-1GE32-1AA3-Z
D04+G33+G60+K74+L07+L13+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 ±10%
Rated input current	229 A
Max. current	335 A
Pulse number	6
Regenerative capability	No (2Q)

Output:

Output voltage	400 V
Rated output (LO) in kW	110 kW
Rated power (HO) in kW	90 kW
Rated output current	210 A
Rated output current (LO)	205 A
Rated output current (HO)	178 A
Output current Max	307 A
Pulse frequency (default setting)	2 kHz

Basic data:

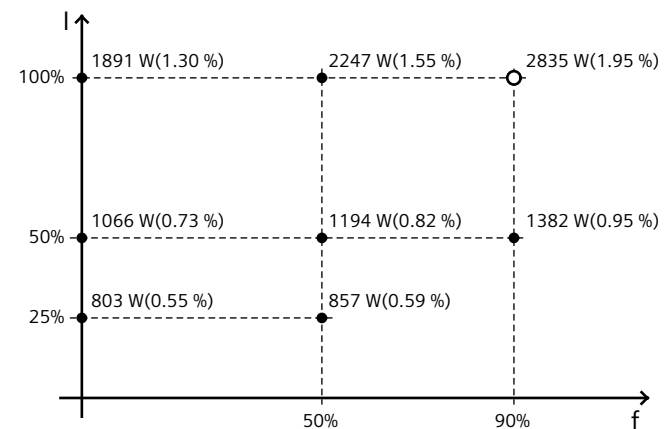
Power losses ΔP	2.9 kW
Power loss including options	3.11 kW
Sound pressure level L_{pA} (1 m)	67 dB
Conductor cross section, max. (IEC)	4 x 240 mm ²
Degree of protection	IP21
Dimensions (H x W x D)	2250 mm x 800 mm x 600 mm
Weight approx.	460 kg
Frame size	F
Type	A
Color, paint shade	RAL7035

Environmental conditions

Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.17 m ³ /s
Ambient temperature	0 °C - +40 °C

Converter losses to EN 50598-2*

Efficiency class IE2
Comparison with the reference converter (90% / 100%) -52.47 %



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
L07	du/dt filter compact plus Voltage Peak Limiter
L13	Line contactor (for currents ≤ 800 A for single connection)
M21	IP21 degree of protection
M90	Crane transport assembly (mounted at the top)