

Data sheet for SINAMICS G150



MLFB-Ordering data: **6SL3710-1GE35-0AA3-Z**
K50+K95+L13+L26+L50+L86+M06+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	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 ΔP	6.56 kW
Power loss including options	6.56 kW
Sound pressure level L _{pA} (1 m)	69 dB
Conductor cross section, max. (IEC)	4 x 240 mm²
Degree of protection	IP20
Dimensions (H x W x D)	2100 mm x 1000 mm x 600 mm
Weight approx.	670 kg
Frame size	G
Type	A
Color, paint shade	RAL7035
Environmental conditions	
Installation altitude	1000 m
Coolant	Air
Air cooling requirements	0.36 m³/s
Ambient temperature	0 °C - +40 °C

Converter losses to IEC61800-9-2*	
Efficiency class	IE2
Comparison with the reference converter (90% / 100%)	47.2 %
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	
Special design	
K50	Sensor Module Cabinet-Mounted SMC30
K95	Control Unit kit CU320-2 PN (PROFINET, EtherNet/IP)
L13	Line contactor (for currents <= 800 A for single connection)
L26	Main switch including fuses or circuit breaker
L50	Cabinet lighting with service socket outlet
L86	PT100 evaluation unit
M06	Base 100 mm high, RAL 7022
M90	Crane transport assembly (mounted at the top)