



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-1GE35-0AA3-Z
D02+D76+G51+G60+G62+K74+L13+L26+L45+L57+M21+M70

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

Item no.:
Consignment no.:
Project:

Rated data		Converter losses to IEC61800-9-2*																						
Input		Efficiency class	IE2																					
Supply frequency	47...63 Hz	Comparison with the reference converter (90% / 100%)	47.2 %																					
Supply voltage	400 V ±10%	<table><tr><th>f (%)</th><th>I (%)</th><th>Loss (W) (Loss %)</th></tr><tr><td>50</td><td>25</td><td>2130 W (0.60 %)</td></tr><tr><td>50</td><td>50</td><td>2800 W (0.80 %)</td></tr><tr><td>50</td><td>100</td><td>4860 W (1.40 %)</td></tr><tr><td>90</td><td>25</td><td>2260 W (0.70 %)</td></tr><tr><td>90</td><td>50</td><td>3080 W (0.90 %)</td></tr><tr><td>90</td><td>100</td><td>6560 W (1.90 %)</td></tr></table>		f (%)	I (%)	Loss (W) (Loss %)	50	25	2130 W (0.60 %)	50	50	2800 W (0.80 %)	50	100	4860 W (1.40 %)	90	25	2260 W (0.70 %)	90	50	3080 W (0.90 %)	90	100	6560 W (1.90 %)
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Rated input current	509 A																							
Max. current	781 A																							
Pulse number	6																							
Energy recovery capability	No (2Q)																							
Output:		The percentage values show the losses in relation to the rated apparent power of the converter.																						
Output voltage	400 V	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.																						
Rated power (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	*calculated values																						
Output current Max	715 A																							
Pulse frequency (factory setting)	2 kHz																							
Basic data:				Special design																				
Power losses ΔP	6.56 kW			D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format																			
Power loss including options	6.56 kW	D76	Documentation in a single language, English																					
Sound pressure level L _{pA} (1 m)	69 dB	G51	1x TM150 temperature sensor evaluation unit																					
Conductor cross section, max. (IEC)	4 x 240 mm²	G60	TM31 customer terminal strip																					
Degree of protection	IP21	G62	Additional TB30 Terminal Board																					
Dimensions (H x W x D)	2250 mm x 1000 mm x 600 mm	K74	Supply of Cabinet internal AC 230 V auxiliary power																					
Weight approx.	670 kg	L13	Line contactor (for currents <= 800 A for single connection)																					
Frame size	G	L26	Main switch including fuses or circuit breaker																					
Design	A	L45	EMERGENCY OFF pushbutton, mounted in the cabinet door																					
Color, paint shade	RAL7035	L57	EMERGENCY OFF, Category 0, uncontrolled stopping																					
Environmental conditions		M21	IP21 degree of protection																					
Installation altitude	1000 m	M70	EMC shield rail (cable connection from below)																					
Coolant	Air																							
Coolant requirement, air	0.36 m³/s																							
Ambient temperature	0 °C - +40 °C																							