



Data sheet for SINAMICS G150

MLFB-Ordering data: 6SL3710-2GE41-6AA3-Z
G60+K50+K74+L23+L86+M07+M90

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%)	45.4 %																
Input supply voltage	400 V ±10%																		
Rated input current	1624 A																		
Max. current	2495 A																		
Pulse number	12																		
Regenerative 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 output (LO) in kW	900 kW																		
Rated power (HO) in kW	710 kW																		
Rated output current	1560 A																		
Rated output current (LO)	1516 A																		
Rated output current (HO)	1294 A	*converted values																	
Pulse frequency (default setting)	1.25 kHz	<table><tr><th colspan="2">Special design</th></tr><tr><td>G60</td><td>TM31 customer terminal strip</td></tr><tr><td>K50</td><td>Sensor Module Cabinet-Mounted SMC30</td></tr><tr><td>K74</td><td>Supply of Cabinet internal AC 230 V auxiliary power</td></tr><tr><td>L23</td><td>Line reactor uk = 2 % (for converters > 500 kW)</td></tr><tr><td>L86</td><td>PT100 evaluation unit</td></tr><tr><td>M07</td><td>Cable marshalling space 200 mm high, RAL 7035</td></tr><tr><td>M90</td><td>Crane transport assembly (mounted at the top)</td></tr></table>		Special design		G60	TM31 customer terminal strip	K50	Sensor Module Cabinet-Mounted SMC30	K74	Supply of Cabinet internal AC 230 V auxiliary power	L23	Line reactor uk = 2 % (for converters > 500 kW)	L86	PT100 evaluation unit	M07	Cable marshalling space 200 mm high, RAL 7035	M90	Crane transport assembly (mounted at the top)
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Basic data:																			
Power losses ΔP	20 kW																		
Power loss including options	20.46 kW																		
Sound pressure level L _{pA} (1 m)	73 dB																		
Conductor cross section, max. (IEC)	8 x 240 mm ²																		
Degree of protection	IP20																		
Dimensions (H x W x D)	2200 mm x 2400 mm x 600 mm																		
Weight approx.	2130 kg																		
Frame size	HX																		
Type	A																		
Color, paint shade	RAL7035																		
Environmental conditions																			
Installation altitude	1000 m																		
Coolant	Air																		
Air cooling requirements	1.56 m ³ /s																		
Ambient temperature	0 °C - +40 °C																		