

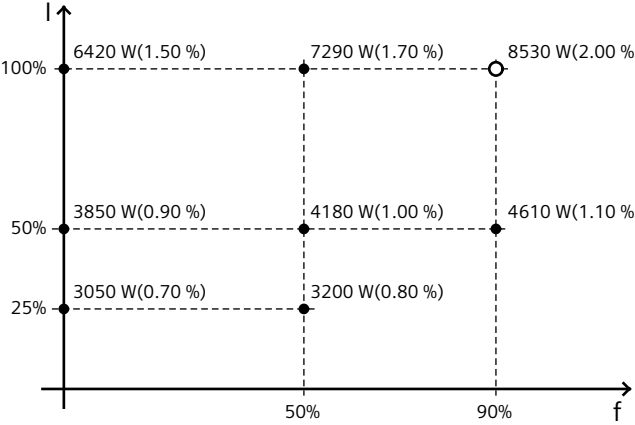
Data sheet for SINAMICS G150

MLFB-Ordering data:

6SL3710-1GE36-1AA3-Z
D02+D14+D80+G60+K74+L13+L26+L45+L57+M06+M54+M70+M90+T80

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%)	49.7 %																														
Supply voltage	400 V ±10%	 <table><tr><th>Frequency (f)</th><th>25% Torque (I)</th><th>50% Torque (I)</th><th>100% Torque (I)</th></tr><tr><td>50%</td><td>3050 W(0.70 %)</td><td>4180 W(1.00 %)</td><td>7290 W(1.70 %)</td></tr><tr><td>90%</td><td>-</td><td>4610 W(1.10 %)</td><td>8530 W(2.00 %)</td></tr></table>		Frequency (f)	25% Torque (I)	50% Torque (I)	100% Torque (I)	50%	3050 W(0.70 %)	4180 W(1.00 %)	7290 W(1.70 %)	90%	-	4610 W(1.10 %)	8530 W(2.00 %)																		
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Rated input current	629 A																																
Max. current	967 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. *calculated values																															
Rated power (LO) in kW	315 kW																																
Rated power (HO) in kW	250 kW																																
Rated output current	564 A																																
Rated output current (LO)	550 A																																
Rated output current (HO)	429 A																																
Output current Max	885 A	<table><tr><th colspan="2">Special design</th></tr><tr><td>D02</td><td>Customer documentation (circuit, terminal, layout diagram) in the DXF format</td></tr><tr><td>D14</td><td>Preliminary generation of customer documentation</td></tr><tr><td>D80</td><td>Documentation language: English/Italian</td></tr><tr><td>G60</td><td>TM31 customer terminal strip</td></tr><tr><td>K74</td><td>Supply of Cabinet internal AC 230 V auxiliary power</td></tr><tr><td>L13</td><td>Line contactor (for currents <= 800 A for single connection)</td></tr><tr><td>L26</td><td>Main switch including fuses or circuit breaker</td></tr><tr><td>L45</td><td>EMERGENCY OFF pushbutton, mounted in the cabinet door</td></tr><tr><td>L57</td><td>EMERGENCY OFF, Category 0, uncontrolled stopping</td></tr><tr><td>M06</td><td>Base 100 mm high, RAL 7022</td></tr><tr><td>M54</td><td>IP54 degree of protection</td></tr><tr><td>M70</td><td>EMC shield rail (cable connection from below)</td></tr><tr><td>M90</td><td>Crane transport assembly (mounted at the top)</td></tr><tr><td>T80</td><td>Rating plate data in English/Italian</td></tr></table>		Special design		D02	Customer documentation (circuit, terminal, layout diagram) in the DXF format	D14	Preliminary generation of customer documentation	D80	Documentation language: English/Italian	G60	TM31 customer terminal strip	K74	Supply of Cabinet internal AC 230 V auxiliary power	L13	Line contactor (for currents <= 800 A for single connection)	L26	Main switch including fuses or circuit breaker	L45	EMERGENCY OFF pushbutton, mounted in the cabinet door	L57	EMERGENCY OFF, Category 0, uncontrolled stopping	M06	Base 100 mm high, RAL 7022	M54	IP54 degree of protection	M70	EMC shield rail (cable connection from below)	M90	Crane transport assembly (mounted at the top)	T80	Rating plate data in English/Italian
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Pulse frequency (factory setting)	1.25 kHz																																
Basic data:																																	
Power losses ΔP	8.53 kW																																
Power loss including options	8.53 kW																																
Sound pressure level L _{pA} (1 m)	70 dB																																
Conductor cross section, max. (IEC)	4 x 240 mm²																																
Degree of protection	IP54																																
Dimensions (H x W x D)	2500 mm x 1200 mm x 600 mm																																
Weight approx.	750 kg																																
Frame size	H																																
Design	A																																
Color, paint shade	RAL7035																																
Environmental conditions																																	
Installation altitude	1000 m																																
Coolant	Air																																
Coolant requirement, air	0.78 m³/s																																
Ambient temperature	0 °C - +40 °C																																