



数据表SINAMICS G150

Data sheet for SINAMICS G150

订购数据

6SL3710-1GF38-1CA3

MLFB-Ordering data:

客户订单号 / Client order no.:

西门子订单号 / Order no.:

报价号 / Offer no.:

注释 / Remarks:

物品号 / Item no.:

托运号 / Consignment no.:

项目 / Project:

额定数据 / Rated data

输入 / Input

电源频率 Supply frequency	47...63 Hz
输入电压 Supply voltage	500 V ±10%
额定输入电流 Rated input current	842 A
最大电流 Max. current	1295 A
脉冲数 Pulse number	6
回馈能力 Energy recovery capability	no (2Q) No

输出 / Output:

输出电压 Output voltage	500 V
额定功率 (LO), 单位: kW Rated power (LO) in kW	560 kW
额定功率 (HO), 单位: kW Rated power (HO) in kW	500 kW
额定输出电流 Rated output current	810 A
额定输出电流 (LO) Rated output current (LO)	790 A
额定输出电流 (HO) Rated output current (HO)	724 A
最大输出电流 Output current Max	1185 A
脉冲频率 (出厂设置) Pulse frequency (factory setting)	1.25 kHz

基本数据 / Basic data:

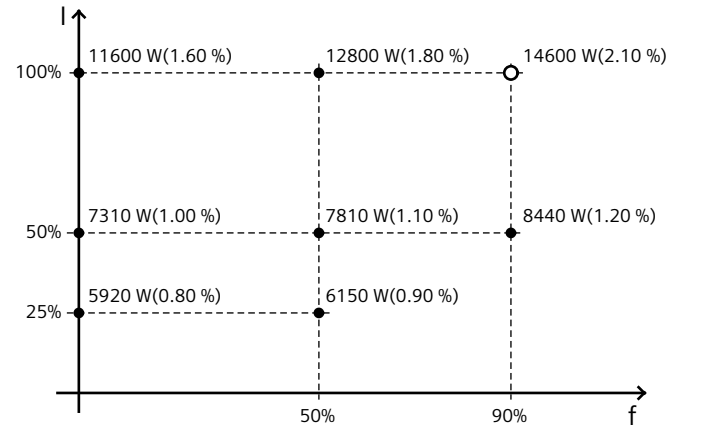
额定直流电流下的功率损耗 Power losses ΔP	14.6 kW
损功率损失包括选件 Power loss including options	14.6 kW
声压级 L _{pA} (一米) Sound pressure level L _{pA} (1 m)	72 dB
最大导线横截面 Conductor cross section, max. (IEC)	8 x 240 mm ²
防护等级 Degree of protection	IP20
尺寸 (高 x 宽 x 深) Dimensions (W x H x D)	2000 mm x 1000 mm x 600 mm
约重 Weight approx.	960 kg
外形尺寸 Frame size	J
规格 Design	C (紧凑式) C (compact)
颜色 Color, paint shade	RAL7035

环境条件 / Environmental conditions

海拔 Installation altitude	1000 m
冷却液 Coolant	空气 Air
空气冷却液需求 Coolant requirement, air	1.48 m³/s
环境温度 Ambient temperature	0 °C - +40 °C

符合IEC61800-9-2的变频器损耗* / Losses

效率等级 Efficiency class	IE2
对比参考变频器 (90% / 100%) Comparison with the reference converter (90% / 100%)	51 %



百分比值给定了以变频器额定视在功率为基准的损耗。
The percentage values show the losses in relation to the rated apparent power of the converter.

图中显示相关扭矩生成电流 (I) 时的损耗 (根据标准IEC61800-9-2) 高于相关电机定子频率 (f)。值对含输入电抗器 (不带选件/组件) 在内的基本变频器有效。
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.

*计算值
*calculated values

选件信息 / Special design