## **SIEMENS**

## Data sheet for SINAMICS G120P Cabinet

## **MLFB-Ordering data:**

6SL3710-1PG34-0AA0 \*\*



Client order no.: Item no.: Order no.: Consignment no.: Offer no.: Project: Remarks: Rated data Converter losses to IEC61800-9-2\* IE2 Efficiency class Input 37.8 % Comparison with the reference converter (90% / 100%) Supply frequency 47...63 Hz Supply voltage 690 V ±10% -**O**-7260 W(1.50 %) 5580 W(1.20 %) 6260 W(1.30 %) Rated input current 408.0 A 100% Max. current 550 A Pulse number 6 Energy recovery capability No (2Q) 2990 W(0.60 %) 3260 W(0.70 %) 3620 W(0.80 %) 50% Output: 2100 W(0.40 %) 2220 W(0.50 %) 25% 690 V Output voltage 355 kW Rated power (LO) in kW Rated power (HO) in kW 315 kW 50% 90% The percentage values show the losses in relation to the rated apparent power of the converter. Rated output current \*\*\* 393.0 A Rated output current (LO) \*\*\* 385 A 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 current (HO) \*\*\* 314 A Output current Max 529 A Special design Pulse frequency (nominal) 2.00 kHz **Basic data:** Absolute power loss in stand-by 232 W Sound pressure level L<sub>pA</sub> (1 m) 69 dB Conductor cross section, max. (IEC) 4 x 240 mm<sup>2</sup> Degree of protection IP20 Installation envelope dimensions (H x W x 2300 mm x 1200 mm x 600 mm Weight approx. 522 kg Frame size FSHX Design A Color, paint shade RAL7035 Compliance with standards CE, RCM, EAC **Environmental conditions** Installation altitude 1000 m \*calculated values Coolant Air \*\*EMC shield rail with PE rail and crane transport aid included in the standard scope of delivery Coolant requirement, air 0.60 m³/s \*\*\*reduced value due to derating

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

Ambient temperature

0 °C - +40 °C