

SINAMICS G120C

Versatile. User friendly. Compact.

Format	Built-in unit (compact)
Drive concept	AC/AC
Degree of protection	IP20/UL open type
Supply voltage/ power kW (hp) 3AC 380 ... 480 V	0.55 ... 132 kW (0.75 ... 150 hp)
Energy recovery	No
Control modes	V/f (linear, square law, FCC, ECO), sensorless vector control (SLVC)
Ambient temperature	-10 °C to 40 °C without derating/to 60 °C with derating
Line filter	With integrated line filter for environments according to IEC 61800-3 Category C3/C2 Without integrated line filter for environments according to IEC 61800-3 Category C4
Braking chopper	Integrated braking chopper
Safety functions	STO
Communications	Frame size FSAA 0.55 kW to FSC 18.5 kW available with PROFINET, PROFIBUS DP, EtherNet/IP, USS/Modbus RTU Frame size FSD 22 kW to FSF 132 kW available with PROFINET , EtherNet/IP
TIA Portal connected	Yes
Commissioning tools	BOP-2, IOP-2, G120 Smart Access Module, SINAMICS Startdrive
Digitalization tools	Drive System Framework, Analyze MyDrives Edge, SINAMICS DriveSim Basic, TIA Selection Tool, SPC, SINAMICS Startdrive
Controllers	SIMATIC S7-1200 / S7-1500, SIMATIC ET200
Recommended motors	SIMOTICS GP/SD ¹ (standard induction motors, aluminum/cast iron) SIMOGEAR ¹ (geared motors)

¹ Please find the right motors from our product partner Innomatics.com



Highlights

- Compact for simple installation in the smallest space
- Simple commissioning and operator control
- Perfect integration in the automation environment
- Integrated safety technology

Applications



Pumping/
Ventilating/
Compressing



Moving



Processing



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