

SINAMICS V20

Simple. Rugged. Efficient.



Highlights

- The perfect solution for basic applications
- Easy to install
- Easy to use

Applications



Pumping/
Ventilating/
Compressing



Moving



Processing

Format	Built-in unit (compact)
Drive concept	AC/AC
Degree of protection	IP20/UL open type
Supply voltage/ power kW (hp)	
1AC 200 ... 240 V	0.12 ... 3 kW (0.16 ... 4 hp)
3AC 380 ... 480 V	0.37 ... 30 kW (0.5 ... 40 hp)
Energy recovery	No
Control modes	V/f (linear, square law, FCC, ECO)
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/C1 Without integrated line filter for environments according to IEC 61800-3 Category C4
Braking chopper	External braking chopper, except for frame size FSD/FSE 3AC with integrated braking chopper
Safety functions	No
Communications	USS/Modbus RTU
TIA Portal connected	No
Commissioning tools	V20 BOP, V20 Smart Access Module
Digitalization tools	TIA Selection Tool
Controllers	SIMATIC S7-1200/SIMATIC S7-1500
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



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