

# Let's switch over!

## From SINAMICS G110 to SINAMICS V20

With SINAMICS G110 at the end of its product lifecycle, it is time to switch over to our SINAMICS V20 converter. This switchover is quite simple, and offers many advantages.

SINAMICS V20 is the converter for basic motion sequences. The compact and rugged converter is suitable for applications such as pumping/ventilating/compressing, moving and processing. It sets itself apart by its short commissioning times, simple handling and energy-saving functions.



### Your benefits:

- You will become mobile and faster
- You will become more flexible
- You will become more efficient

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faster You will become more flexible

You will become more efficient

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# SINAMICS V20

## Simple. Rugged. Efficient.



### Highlights

- The perfect solution for basic application
- 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 3AC 380 ... 480 V	0.12 ... 3 kW (0.16 ... 4 hp) 0.37 ... 30kW (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/up to 60 °C with derating
Line filter	With integrated line filter for environments according to EN 61800-3 Category C3/C2/C1 Without integrated line filter for environments according to EN 61800-3 Category C4
Braking chopper	"Integrated braking chopper for frame sizes FSA/FSE 3AC"
Communications	USS/Modbus RTU
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 (standard induction motors, aluminum/cast iron)

### Commissioning. Diagnostics. Service.

The optional SINAMICS V20 Smart Access Module can be simply plugged onto the converter. Handling the SINAMICS V20 frequency converter becomes even easier and more user-friendly since it can be commissioned and operated via smartphone, tablet or laptop.



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