

## MICROMASTER 420

### The Universal Inverter for Every Challenge

You need a frequency inverter which can be adapted to your individual requirements without any great effort? No problem for our MICROMASTER 420 – the universal inverter for 3-phase networks and optional field-bus connection. Thanks to its modular design, the extensive standard functions can be supplemented with a wide variety of options. And you do not even need tools, as the operator panels and the communications modules can be simply plugged in. Screwless control terminals – as with the rest of the family – make terminal connection child's play.

### Typical Uses

Conveyor systems, material transport, pumps, fans, mechanical engineering.



### MICROMASTER 420 – Technical Data

<b>Voltage and power ranges</b>	200-240 V, $\pm 10\%$ , 1 AC, 0.12 to 3 kW (0.16 to 4 HP) 200-240 V, $\pm 10\%$ , 3 AC, 0.12 to 5.5 kW (0.16 to 7.5 HP) 380-480 V, $\pm 10\%$ , 3 AC, 0.37 to 11 kW (0.5 to 15 HP)
<b>Operating temperature</b>	-10 °C to +50 °C
<b>Process control</b>	Internal PI controller
<b>Types of control</b>	FCC (Flux Current Control), multipoint characteristic (parameterizable V/f characteristic), V/f characteristic
<b>Inputs</b>	3 digital inputs, 1 analog input
<b>Outputs</b>	1 analog output, 1 relay output
<b>Link-up to automation</b>	The ideal partner for your automation needs, from connection to SIMATIC S7-200 to integration in TIA with SIMATIC and SIMOTION.

### Its Strengths in Brief

- Compact housing
- Easy to install
- Highly versatile inputs and outputs
- FCC control (Flux Current Control) for high drive quality, even when load changes occur
- Different methods of commissioning, via operator panel or cost-free software tool
- Modular system of inverter options
- Parameterizable acceleration/deceleration times (0 to 650 s)
- Compound braking for controlled rapid braking
- 4 skip frequencies for minimizing stress on the machine when resonance occurs
- Automatic restart
- Minimal stress on motor when inverter connected to rotating motor
- Prepared for use in IT networks
- Integrated protection/overload functions
- Available with or without integrated EMC filter

**MICROMASTER 420 – the universal inverter with a wide variety of features for improved drive performance.**