

SIEMENS



micromaster

Siemens Micromaster selection guide



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All Siemens micromaster products was replaced by Sinamics drives which have higher speed and efficiency

SINAMICS frequency converter: The system-based advantages

You will become faster:

- Simpler engineering with graphic commissioning, trace (oscilloscope function) and integration in the TIA Portal;
- Parameters are cloned instead of programming;
- Commissioning Wizard with optimized user prompting;

You will become more flexible and perform better:

- Wide range of hardware versions for various applications;
- Integrated DC link reactor (dependent on the frame size);
- Standard USB interface to connect a PC;

You will become safer and more efficient:

- SINAMICS with Safety Integrated
- Simple connection to the automation system and improved control response
- Consequential cost reduction
- High energy efficiency



To find out stock ability and delivery time to your region, please contact our manager.

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Inverter MICROMASTER



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Selection guide

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Options

1



Selection guide

2

MICROMASTER 410

Main characteristics

Discontinued product

The MICROMASTER 410 is no longer available. The model will be discontinued as of October 1, 2007. The MICROMASTER 410 can then only be ordered as a spare part.

Power ranges

–

Voltage ranges

–

Control methods

–

Process control

–

Inputs

–

Outputs

–

Interfacing to automation system

–

Additional features

–

MICROMASTER 420

"The universal"

for three-phase networks and optional fieldbus interfacing, e.g. for conveyor belts, material transport, pumps, fans and machine tools

0.12 kW to 11 kW

1 AC 200 V to 240 V

3 AC 200 V to 240 V

3 AC 380 V to 480 V

- V/f characteristic
- Multipoint characteristic (programmable V/f characteristic)
- FCC (flux current control)

Internal PI controller

3 digital inputs

1 analog input

1 analog output

1 relay output

The ideal partner for your automation tasks, whether with SIMATIC S7-200, SIMATIC S7-300/400 (TIA) or SIMOTION

- BICO technology
- Compound braking for controlled rapid braking



Section 2



MICROMASTER 430

“The specialist for pumps and fans”
with optimized OP (manual/automatic switchover), matched software functionality and optimized power yield

7.5 kW to 250 kW

3 AC 380 V to 480 V

- V/f characteristic
- Multipoint characteristic (programmable V/f characteristic)
- FCC (flux current control)

Internal PID controller

6 digital inputs
2 analog inputs
1 PTC/KTY input

2 analog outputs
3 relay outputs

The ideal partner for your automation tasks, whether with SIMATIC S7-200, SIMATIC S7-300/400 (TIA) or SIMOTION

- Low-energy mode
- Load torque monitoring (detects dry run of pumps)
- Motor staging
- Bypass mode
- BICO technology



Section 3

MICROMASTER 440

“The all-purpose”
with advanced vector control (with and without encoder feedback) for versatile applications in sectors such as conveying systems, textiles, elevators, hoisting equipment and machine construction

0.12 kW to 250 kW

1 AC 200 V to 240 V
3 AC 200 V to 240 V
3 AC 380 V to 480 V
3 AC 500 V to 600 V

- V/f characteristic
- Multipoint characteristic (programmable V/f characteristic)
- FCC (flux current control)
- Vector control

Internal PID controller (autotuning)

6 digital inputs
2 analog inputs
1 PTC/KTY input

2 analog outputs
3 relay outputs

The ideal partner for your automation tasks, whether with SIMATIC S7-200, SIMATIC S7-300/400 (TIA) or SIMOTION

- 3 selectable drive data kits
- Integrated brake chopper (up to 75 kW)
- Torque control
- BICO technology



Section 4



MICROMASTER 420/430/440

Overview

Options

Various options are available for the MICROMASTER inverters:

- Filters
- Chokes
- Operator panels
- PROFIBUS module
- DeviceNet module
- CANopen module
- Pulse encoder evaluation module
- Gland plates
- Mounting kits, etc.

1) The MICROMASTER 410 is no longer available. The model will be discontinued as of October 1, 2007. The MICROMASTER 410 can then only be ordered as a spare part.

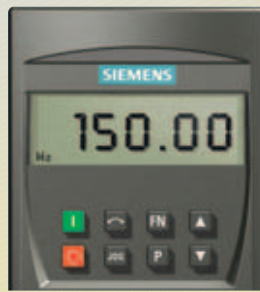
Assignment of operator panels and modules to the inverter ranges

Options	Order No.	MICROMASTER			
		410 ¹⁾	420	430	440
Operator panels					
OP ¹⁾	6SE6400-0SP00-0AA0	●			
BOP	6SE6400-0BP00-0AA0		●		●
BOP-2	6SE6400-0BE00-0AA0			●	
AOP	6SE6400-0AP00-0AA1		●		●
AAOP	6SE6400-0AP00-0AB0		●		●
CAOP	6SE6400-0AP00-0CA0		●		●
Modules					
PROFIBUS	6SE6400-1PB00-0AA0		●	●	●
DeviceNet	6SE6400-1DN00-0AA0		●	●	●
CANopen	6SE6400-1CB00-0AA0		●	●	●
Pulse encoder evaluation	6SE6400-0EN00-0AA0			●	●

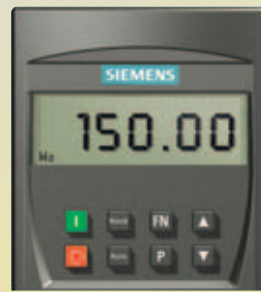
Maximum possible configuration:

One pulse encoder evaluation module
+ one communication module + one operator panel

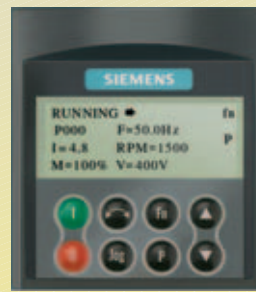
● Possible assignment



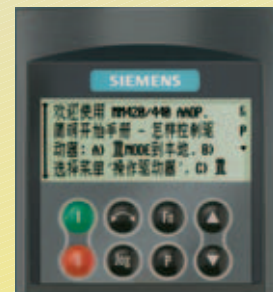
BOP in new design (available soon)



BOP-2 in new design (available soon)



AOP



AAOP

Operator panels



PROFIBUS



DeviceNet



CANopen



Pulse encoder evaluation

Modules





Eltra Trade s.r.o. provides the large range of equipment with good prices and delivery terms



Best prices



The fastest supply



Best level technical support



Customers in over 100 countries

We supply:

- ***Micromaster 420 drives***
- ***Micromastwr 430 drives***
- ***SINAMICS G***
- ***SINAMICS G120***
- ***SINAMICS V20***
- ***other Siemens products***

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