SIEMENS

# Data sheet for MICROMASTER 440



## Ordering data

**6SE6440-2AD35-5FA1**

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

## Rated data

### Input

| | |
|---|---|
| **Number of phases** | 3 AC |
| **Line voltage** | 380 ... 480 V ±10 % |
| **Line frequency** | 47 ... 63 Hz |
| **Rated current (LO)** | 139.00 A |
| **Rated current (HO)** | 104.00 A |

### Output

| | |
|---|---|
| **Number of phases** | 3 AC |
| **Rated voltage** | 480 V |
| **Rated power (LO)** | 75.00 kW / 100.00 hp |
| **Rated power (HO)** | 55.00 kW / 75.00 hp |
| **Rated current (LO)** | 145.00 A |
| **Rated current (HO)** | 110.00 A |
| **Pulse frequency** | 4000 Hz |
| **Output frequency for V/f control** | 0 ... 650 Hz |

Due to legal restrictions a limitation to 550 Hz is under preparation

## General tech. specifications

| | |
|---|---|
| **Power factor λ** | 0.95 |
| **Efficiency η** | 0.96 |

## Ambient conditions

| | |
|---|---|
| **Cooling** | Fan |

### Ambient temperature

| | |
|---|---|
| **Operation (LO)** | -10 ... 40 °C |
| **Operation (HO)** | -10 ... 50 °C |
| **Transport** | -40 ... 70 °C |
| **Storage** | -40 ... 70 °C |

### Overload capability

**Low Overload (LO)**

140 % output current for 3 s, followed by 110 % output current for 57 s followed by 100 % output current for 240 s in a 300 s cycle time

**High Overload (HO)**

150 % output current for 60 s, followed by 100 % output current for 240 s in a 300 s cycle time

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## Mechanical data

| | |
|---|---|
| **Degree of protection** | IP20 |
| **Size** | F |
| **Net weight** | 75.00 kg |
| **Width** | 350.0 mm |
| **Height** | 1150.0 mm |
| **Depth** | 320.0 mm |

## Inputs/ outputs

### Standard digital inputs

| | |
|---|---|
| **Number** | 6 |

### Relay output

| | |
|---|---|
| **Number** | 3 |

### Analog inputs

| | |
|---|---|
| **Number** | 2 |

### Analog outputs

| | |
|---|---|
| **Number** | 2 |

### PTC/ KTY interface

| | |
|---|---|
| **Number** | 1 |

## Connections

### Motor end

| | |
|---|---|
| **Conductor cross-section** | 150.00 mm² |