

| P/n | Model Code | Description |
|--------|-------------------|--------------------------------|
| FE1065 | ODE-3-240095-3F4B | Inverter 380-480V, 4.0kW, 9.5A |

- Simplicity of installation and easy to use.
- Compact and robust.
- EMC Filter (C1).
- With just few basic parameters and application macro functions providing rapid set up.
- Intuitive keypad control.
- Local Speed Potentiometer.
- Run Reverse / Off / Run Forward Switch.
- Lockable Mains Disconnect / Isolator.
- Switch between Industrial, Pump and Fan modes.
- IP66.
- Suitable for outdoor use.
- Protection from humidity and dust.
- Ideal for washdown duty.



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| Size (mm) | 182 x 188 x 257h |
| Weight (kg) | 3.5 |
| Fixings | 4 x M4 |

Drive Specification

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|--------------------|---------------------------|---|
| Input Ratings | Supply Voltage | 380 - 480V |
| | Supply Frequency | 48 - 62Hz |
| | Displacement Power Factor | > 0.98 |
| | Phase Imbalance | 3% Maximum allowed |
| | Inrush Current | < corrente nominalerated current |
| | Power Cycles | 120 per hour maximun and spaced |
| Output Ratings | Output Power | 400V 3 Ph Input: 0,75-22kW 460V 3 Ph Input: 1-30HP |
| | Overload Capacity | 150% for 60 seconds 175% for 2,5 seconds |
| | Typical Efficiency | > 98% |
| Enclosure | Ingress Protection | IP20 |
| Programming | Keypad | Built-in keypad as standard |
| | Display | 7 Segment LED |
| Ambient Conditions | Temperature | Storage: -40 to 60°C Operating: -20 to 50°C |
| | Altitude | Up to 1000m SLM without derating Up to 2000m maximum UL approved Up to 4000m max (non UL) |
| | Humidity | 95% max, non condensing |
| | Vibration | Conform to EN61800-5-1 |

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|---------------------------|--|---|
| Control Specification | Control Method | Sensorless Vector Speed Control |
| | | PM Vector Control |
| | | BLDC Control |
| | | Synchronous Reluctance |
| | PWM Frequency | 4-32kHz Effective |
| | Stopping Mode | Ramp to stop: User Adjustable 0.1-600 secs Coast to stop |
| | Braking | Motor FluxBraking Buil-in braking transistor (not frame size 1) |
| | Skip Frequency | Single point, user adjustable |
| Setpoint Control | Analog Signal: 0 to 10V 10 to 0V 0 to 20mA 20 to 0mA 4 to 20mA 20 to 4mA | |
| | Digital: Motorised Potentiometer (Keypad) Modbus RTU CANopen EtherNet/IP | |
| Fieldbus | CANopen | 125—1000 kbps |
| | Modbus RTU | 9,6 -115,2 kbps selectable |
| I/O Specification | Power Supply | 24V DC, 100mA, Short Circuit Protected 10 V DC, 5mA for Potentiometer |
| | Programmable Inputs | 4 Total: 2 Digital 2 Analog/Digital selectable |
| | Digital Inputs | 8-30V DC, internal or external supply Response time < 4ms |
| | Analog Inputs | Resolution: 12 bits Response time: < 4ms Accuracy: ± 2% full scale Parameter adjustable scaling and offset |
| | Programmable Outputs | 2 Total: 1 Analog / Digital 1 Relay |
| | Relay Outputs | Maximum Voltage: 250VAC, 30VDC Switching Current Capacity: 6A AC, 5A DC |
| | Analog Outputs | 0 to 10V |
| Application Features | PI Control | Internal PI Controller Standby / Sleep function |
| | Fire Mode | Bidirectional Selectable Speed Setpoint (Fixed / PI /Analog / Fieldbus) |
| Maintenance & Diagnostics | Fault Memory | Last 4 Trips stored with time stamp |
| | Data logging | Logging of data prior to trip for diagnostic purposes: Output Current, Drive Temperature, DC Bus Voltage |
| | Monitoring | Hours Run Meter |
| Standard Compliance | Low Voltage Directive | Adjustable speed electrical power drive systems. EMC requirements |
| | EMC Directive | 2014/30/EU - Cat.C1 according to EN61800-3:2004 |
| | Machinery Directive | 2006/42/EC |
| | Conformance | CE, UL, RCM |