FASAR ELETTRONICA S.r.L
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P/n	Model Code	Description
FE1061	ODE-3-240095-3F42	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.
- Switch between Industrial, Pump and Fan modes.
- IP20

Size (mm)	150 x 110 x 221h
Weight (kg)	1.7
Fixings	4 x M5

Drive Specification

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

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