Optidrive E3 Inverter

Model: RF13-0075H

Input Ratings

Supply Voltage	200-240V
Input Phases	1
Supply Current Continuous	7.5 Amps
Supply Fuse or MCB (Type B)	10 Amps

Output Ratings

Motor Output Rating	0.75 kW
Output Voltage	0 – Supply Voltage
Output Current	4.3 Amps

Cable Information

Max Supply Cable Size	8 mm^2
Max Motor Cable Size	8 mm^2
Max motor cable length	100 metres

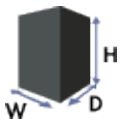
VFD Factory Build Options

EMC Filter	Internal EMC Filter
Brake Transistor	No Internal Brake Transistor
Enclosure	IP66 Switched

Installation Options & Peripherals

- Communication Interfaces
- EMC Filters
- I/O Options
- Input Chokes
- Optistick
- Output Filters
- Remote Keypads
- RJ45 Accessories
- USB PC Connection Kit

Dimensions



Size	1
Height	232mm
Width	161mm
Depth	162mm
Weight	2.5Kg
Fixings	4 x M4

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Invertek Optidrive E3, Eco & P2 IP66 'Outdoor Rated' Inverter Drives

Installation Criteria

Please read this document in conjunction with the Invertek Optidrive E3 Quick Start Guide and the Invertek Optidrive E3, Eco & P2 User Guides.

The plastics on the E3, Eco & P2 IP66 'Outdoor use' inverters is UV stabilised. Therefore, the drive is suitable for mounting outdoors but we advise taking into account the following installation criteria.

- Precautions should be taken with respect to the mounting location, specifically that units should be mounted in the shade (preferably north facing) out of direct sunlight and under cover, particularly to avoid any potential for the build-up of snow and ice in the heatsink cooling fins.

The Axair Fans 'Weather Cover' can be used.

- Once installed, there should be a permanent power supply to the inverter to maintain the internal temperature, thus avoiding any potential for the formation of condensation and frost inside the unit.

- A ventilation plug should be fitted in the units terminal cover as a further precaution. This allows the unit to 'breathe' with variations in temperature and pressure, and the integral membrane prevents any moisture ingress.

Axair Fans can supply a suitable ventilation plug.

- A bag of desiccant gel should be left inside the inverters terminal cover. This will help to absorb any moisture should it access the unit. The desiccant gel sachet that is used in the drive packaging can be used.

- Regular maintenance should be carried out to ensure the drives heatsink remains debris and blockage free and the integrity of the enclosure is maintained.

- The Optidrive IP66 units will operate within the -20^{o}C to +40^{o}C ambient temperature limits, which apply to the drive and its display.