

# ODE-3-440390-3F4B

Optidrive E3 VFD Datasheet

**18.5 kW (25 HP), 39 A, 380-480 V, 3PH**  
IP66 Outdoor Switched Variable Frequency  
Drive with EMC Filter



## Input Ratings

|                             |           |
|-----------------------------|-----------|
| Supply Voltage              | 380-480 V |
| Input Phases                | 3         |
| Supply Current Continuous   | 44.1 A    |
| Supply Fuse or MCB (Type B) | 50 A      |

## Output Ratings

|                     |                    |
|---------------------|--------------------|
| Motor Output Rating | 18.5 kW (25 HP)    |
| Output Voltage      | 0 – Supply Voltage |
| Output Current      | 39 A               |

## Cable Information

|                        |                                 |
|------------------------|---------------------------------|
| Max Supply Cable Size  | 16 mm <sup>2</sup> (0.02 sq in) |
| Max Motor Cable Size   | 16 mm <sup>2</sup> (0.02 sq in) |
| Max Motor Cable Length | 100 m (328 ft)                  |

## Factory Build Options

|                  |                           |
|------------------|---------------------------|
| EMC Filter       | Internal EMC Filter       |
| Brake Transistor | Internal Brake Transistor |
| Enclosure        | IP66 Outdoor Switched     |
| Display          |                           |
| PCB Coating      |                           |

## Dimensions

|         |                    |
|---------|--------------------|
| Size    | 4                  |
| Height  | 360 mm (14.17 in)  |
| Width   | 240 mm (9.45 in)   |
| Depth   | 271 mm (10.67 in)  |
| Weight  | 9.5 kg (20.94 lbs) |
| Fixings | 4 x M4             |

## Packaged Dimensions

|        |                     |
|--------|---------------------|
| Height | 325 mm (12.8 in)    |
| Width  | 295 mm (11.61 in)   |
| Depth  | 425 mm (16.73 in)   |
| Weight | 11.5 kg (25.35 lbs) |



 **Buy this drive or get more information**  
Find your local sales partner on  
[invertekdrives.com](http://invertekdrives.com)

Electric Motors And Gearboxes Ltd  
103 Morgan Close  
Willenhall  
West Midlands  
WV12 4LH  
01902 601403  
[sales@emag-ltd.co.uk](mailto:sales@emag-ltd.co.uk)



[www.emag-ltd.co.uk](http://www.emag-ltd.co.uk)