

# E3 Series Variable Frequency Drive Datasheet

Model: E3-220105-304A

**3 HP (2.2 kW), 10.5 A, 200-240 V, 3PH**  
**IP66 Outdoor Non-switched Variable Frequency Drive**

## Input Ratings

|                             |           |
|-----------------------------|-----------|
| Supply Voltage              | 200-240 V |
| Input Phases                | 3         |
| Supply Current Continuous   | 12.1 A    |
| Supply Fuse or MCB (Type B) | 16 A      |

## Output Ratings

|                     |                     |
|---------------------|---------------------|
| Motor Output Rating | 3 HP (2.2 kW)       |
| Output Voltage      | 0 to Supply Voltage |
| Output Current      | 10.5 A              |

## Cable Information

|                        |                            |
|------------------------|----------------------------|
| Max Supply Cable Size  | 8 AWG (8 mm <sup>2</sup> ) |
| Max Motor Cable Size   | 8 AWG (8 mm <sup>2</sup> ) |
| Max Motor Cable Length | 328 ft (100 m)             |

## Factory Build Options

|                          |                               |
|--------------------------|-------------------------------|
| EMC Filter               | No Internal EMC Filter        |
| Brake Transistor         | Internal Brake Transistor     |
| Minimum Brake Resistance | 60 Ω                          |
| Enclosure                | NEMA 4X (IP66) Non Switched   |
| Display                  | LED                           |
| Communication Protocols  | ModbusRTU, CANopen, and more* |

## Drive Dimensions

|         |                   |
|---------|-------------------|
| Size    | 2                 |
| Height  | 10.12 in (257 mm) |
| Width   | 7.4 in (188 mm)   |
| Depth   | 6.77 in (172 mm)  |
| Weight  | 7.72 lbs (3.5 kg) |
| Fixings | 4 x M4            |

## Packaged Dimensions

|        |                   |
|--------|-------------------|
| Height | 8.46 in (215 mm)  |
| Width  | 9.25 in (235 mm)  |
| Depth  | 14.76 in (375 mm) |
| Weight | 9.26 lbs (4.2 kg) |

\* Consult factory for additional communication options.

Drive color depicted doesn't reflect actual drive color  
Black Outershell - RAL Name: Jet Black | RAL Number: 9005 | Hex Code #0A0A0A  
Gray Door - RAL Name: Traffic White | RAL Number: 9016 | Hex Code #F6F6F6

