

# P2 Series Variable Frequency Drive Datasheet

Model: P2-24010-3HF4B-T

**1 HP (0.75 kW), 2.2 A, 380-480 V, 3PH**

**IP66 Switched Outdoor Variable Frequency Drive with EMC Filter and TFT Display**

## Input Ratings

|                             |           |
|-----------------------------|-----------|
| Supply Voltage              | 380-480 V |
| Input Phases                | 3         |
| Supply Current Continuous   | 2.4 A     |
| Supply Fuse or MCB (Type B) | 10 A      |

## Output Ratings

|                     |                     |
|---------------------|---------------------|
| Motor Output Rating | 1 HP (0.75 kW)      |
| Output Voltage      | 0 to Supply Voltage |
| Output Current      | 2.2 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               | Internal EMC            |
| Brake Transistor         | Internal                |
| Minimum Brake Resistance | 400 Ω                   |
| Enclosure                | NEMA 4X (IP66) Switched |
| Display                  | TFT Display             |
| PCB Coating              | Standard                |

## Drive Dimensions

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

## Packaged Dimensions

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



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



## Environmental Ratings

|          |   |
|----------|---|
| Humidity | 14 - 104°F (-10 - 40°C)<br>With Derating: 104 - 122°F (40 - 50°C) |
| Altitude | <= 1000m<br>With Derating: <= 4000m                               |