

# V3 Series Variable Frequency Drive Datasheet

Model: V3-420460-3F12-T

**15 HP (11 kW), 46 A, 200-240 V, 3PH**  
**IP20 Variable Frequency Drive with EMC Filter and TFT Display**

## Input Ratings

|                             |           |
|-----------------------------|-----------|
| Supply Voltage              | 200-240 V |
| Input Phases                | 3         |
| Supply Current Continuous   | 41.4 A    |
| Supply Fuse or MCB (Type B) | 50 A      |

## Output Ratings

|                     |                     |
|---------------------|---------------------|
| Motor Output Rating | 15 HP (11 kW)       |
| Output Voltage      | 0 to Supply Voltage |
| Output Current      | 46 A                |

## Cable Information

|                        |                             |
|------------------------|-----------------------------|
| Max Supply Cable Size  | 6 AWG (16 mm <sup>2</sup> ) |
| Max Motor Cable Size   | 6 AWG (16 mm <sup>2</sup> ) |
| Max Motor Cable Length | 328 ft (100 m)              |

## Factory Build Options

|                  |                     |
|------------------|---------------------|
| EMC Filter       | Internal EMC        |
| Brake Transistor | No Brake Transistor |
| Enclosure        | IP20                |
| Display          | TFT Display         |
| PCB Coating      | Standard            |

## Drive Dimensions

|         |                    |
|---------|--------------------|
| Size    | 4                  |
| Height  | 16.46 in (418 mm)  |
| Width   | 6.77 in (172 mm)   |
| Depth   | 9.45 in (240 mm)   |
| Weight  | 20.28 lbs (9.2 kg) |
| Fixings | 4 x M8             |

## Packaged Dimensions

|        |                     |
|--------|---------------------|
| Height | 13.39 in (340 mm)   |
| Width  | 11.02 in (280 mm)   |
| Depth  | 22.05 in (560 mm)   |
| Weight | 24.69 lbs (11.2 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

