

# V3 Series Variable Frequency Drive Datasheet

Model: V3-642020-3F12-T

**175 HP (110 kW), 202 A, 380-480 V, 3PH**  
**IP20 Variable Frequency Drive with EMC Filter and TFT Display**

## Input Ratings

|                             |           |
|-----------------------------|-----------|
| Supply Voltage              | 380-480 V |
| Input Phases                | 3         |
| Supply Current Continuous   | 189.8 A   |
| Supply Fuse or MCB (Type B) | 250 A     |

## Output Ratings

|                     |                     |
|---------------------|---------------------|
| Motor Output Rating | 175 HP (110 kW)     |
| Output Voltage      | 0 to Supply Voltage |
| Output Current      | 202 A               |

## Cable Information

|                        |                                |
|------------------------|--------------------------------|
| Max Supply Cable Size  | 300 MCM (150 mm <sup>2</sup> ) |
| Max Motor Cable Size   | 300 MCM (150 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                     |
| Communication Protocols | BACnet, ModbusRTU, and more* |

## Drive Dimensions

|         |                   |
|---------|-------------------|
| Size    | 6B                |
| Height  | 28.58 in (726 mm) |
| Width   | 12.99 in (330 mm) |
| Depth   | 12.6 in (320 mm)  |
| Weight  | 94.8 lbs (43 kg)  |
| Fixings | -                 |

## Packaged Dimensions

|        |                    |
|--------|--------------------|
| Height | 14.96 in (380 mm)  |
| Width  | 14.76 in (375 mm)  |
| Depth  | 30.91 in (785 mm)  |
| Weight | 101.41 lbs (46 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

