

# V3 Series Variable Frequency Drive Datasheet

Model: V3-420460-3F1N-T

**15 HP (11 kW), 46 A, 200-240 V, 3PH**  
**IP55 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	NEMA 12 (IP55)
Display	TFT Display
PCB Coating	Standard

## Drive Dimensions

Size	4
Height	17.72 in (450 mm)
Width	6.73 in (171 mm)
Depth	9.92 in (252 mm)
Weight	25.35 lbs (11.5 kg)
Fixings	4 x M8

## Packaged Dimensions

Height	20.08 in (510 mm)
Width	9.45 in (240 mm)
Depth	12.99 in (330 mm)
Weight	29.76 lbs (13.5 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

