

# V3 Series Variable Frequency Drive Datasheet

Model: V3-460280-3012-T

**25 HP (18.5 kW), 28 A, 500-600 V, 3PH**  
**IP20 Variable Frequency Drive with TFT Display**

## Input Ratings

Supply Voltage	500-600 V
Input Phases	3
Supply Current Continuous	34 A
Supply Fuse or MCB (Type B)	40 A

## Output Ratings

Motor Output Rating	25 HP (18.5 kW)
Output Voltage	0 to Supply Voltage
Output Current	28 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	No 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

