

# P2 Series Variable Frequency Drive Datasheet

Model: P2-84400-3HF42-T

**400 HP (250 kW), 480 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	480 A
Supply Fuse or MCB (Type B)	600 A

## Output Ratings

Motor Output Rating	400 HP (250 kW)
Output Voltage	0 to Supply Voltage
Output Current	480 A

## Cable Information

Max Supply Cable Size	500 MCM (240 mm <sup>2</sup> )
Max Motor Cable Size	500 MCM (240 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	3 Ω
Enclosure	IP20
Display	TFT Display
PCB Coating	Standard
DC Choke	Included

## Drive Dimensions

Size	8
Height	38.35 in (974mm)
Width	17.48 in (444mm)
Depth	16.65 in (423 mm)□□
Weight	274.48 lbs (124.5 kg)
Fixings	4 x M12

## Packaged Dimensions

Height	25.98 in (660mm)
Width	24.41 in (620mm)
Depth	40.16 in (1020mm)
Weight	317.47 lbs (144 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 - 122°F (-10 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m