

# P2 Series Variable Frequency Drive Datasheet

Model: P2-24020-3HF42-T

**2 HP (1.5 kW), 4.1 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	5.1 A
Supply Fuse or MCB (Type B)	10 A

## Output Ratings

Motor Output Rating	2 HP (1.5 kW)
Output Voltage	0 to Supply Voltage
Output Current	4.1 A

## Cable Information

Max Supply Cable Size	8 AWG (8 mm <sup>2</sup> )
Max Motor Cable Size	8 AWG (8 mm <sup>2</sup> )
Max Motor Cable Length	328 ft (100 m)

## Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	Internal
Enclosure	IP20
Display	TFT Display
PCB Coating	Standard

## Drive Dimensions

Size	2
Height	8.7 in (221mm)
Width	4.33 in (110mm)
Depth	7.28 in (185 mm)
Weight	3.97 lbs (1.8 kg)
Fixings	4 x M4

## Packaged Dimensions

Height	10.43 in (265mm)
Width	5.71 in (145mm)
Depth	9.06 in (230mm)
Weight	4.19 lbs (1.9 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

Ambient Temperature	14 - 122°F (-10 - 50°C)
Altitude	<= 1000m
	With Derating: <= 4000m