

# P2 Series Variable Frequency Drive Datasheet

Model: P2-64175-3HF42-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	210.8 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	Internal
Minimum Brake Resistance	6 Ω
Enclosure	IP20
Display	TFT Display
PCB Coating	Standard
DC Choke	Included

## Drive Dimensions

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

## Packaged Dimensions

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