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 mm²)
Max Motor Cable Size	500 MCM (240 mm²)
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
Communication Protocols	ModbusRTU, CANopen, and more*
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

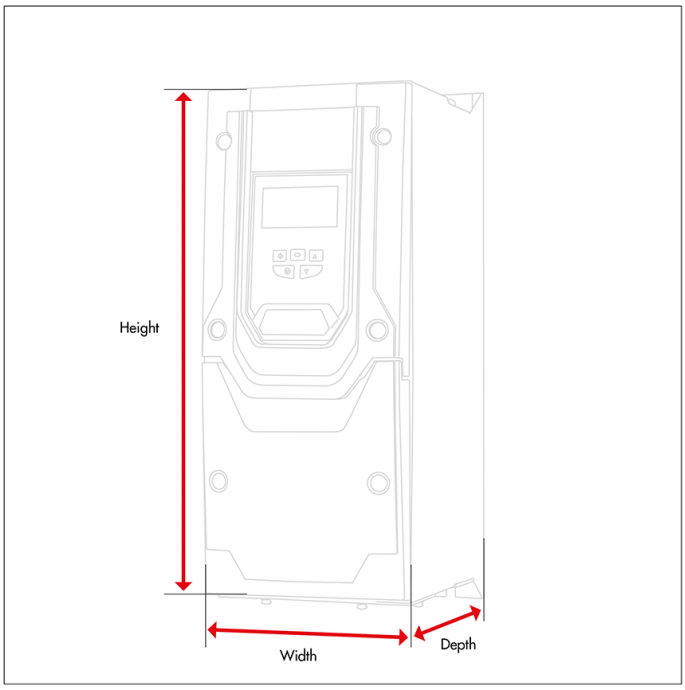
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

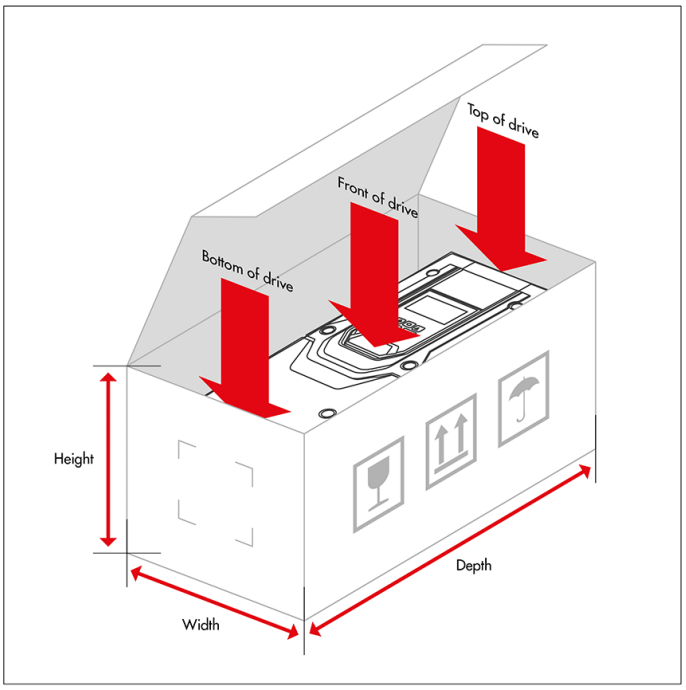
Temperature	14 - 122°F (-10 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions