P2 Series Variable Frequency Drive Datasheet

Model: P2-24050-3HF4B-T

5 HP (4 kW), 9.5 A, 380-480 V, 3PH
IP66 Switched Outdoor Variable Frequency Drive with EMC Filter and TFT Display

Input Ratings

Supply Voltage	380-480 V
Input Phases	3
Supply Current Continuous	11.2 A
Supply Fuse or MCB (Type B)	16 A



Output Ratings

Motor Output Rating	5 HP (4 kW)
Output Voltage	0 to Supply Voltage
Output Current	9.5 A

Cable Information

Max Supply Cable Size	8 AWG (8 mm²)
Max Motor Cable Size	8 AWG (8 mm²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	Internal
Minimum Brake Resistance	100 Ω
Enclosure	NEMA 4X (IP66) Switched
Display	TFT Display
PCB Coating	Standard
Communication Protocols	ModbusRTU, CANopen, and more*

Drive Dimensions

Size	2
Height	10.12 in (257mm)
Width	7.4 in (188mm)
Depth	6.77 in (172 mm)
Weight	7.72 lbs (3.5 kg)
Fixings	4 x M4

Packaged Dimensions

Height	8.46 in (215mm)
Width	9.25 in (235mm)
Depth	14.76 in (375mm)
Weight	9.26 lbs (4.2 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

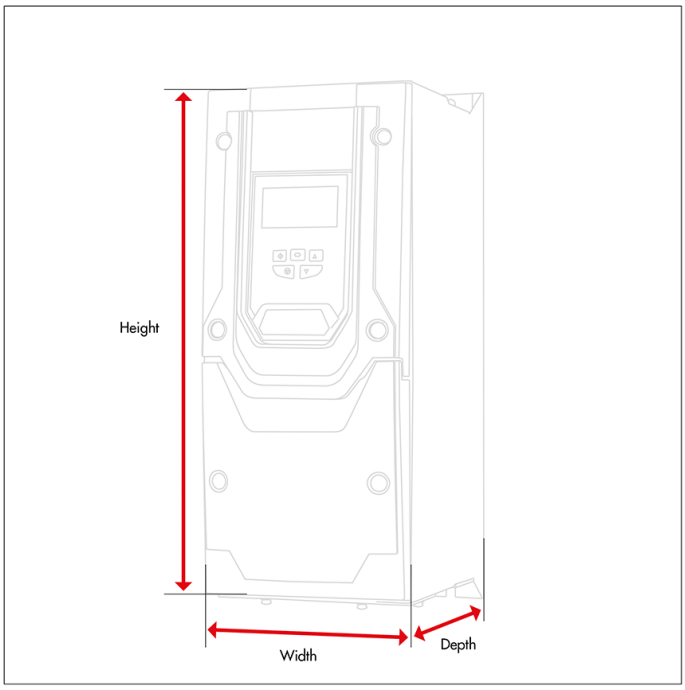
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

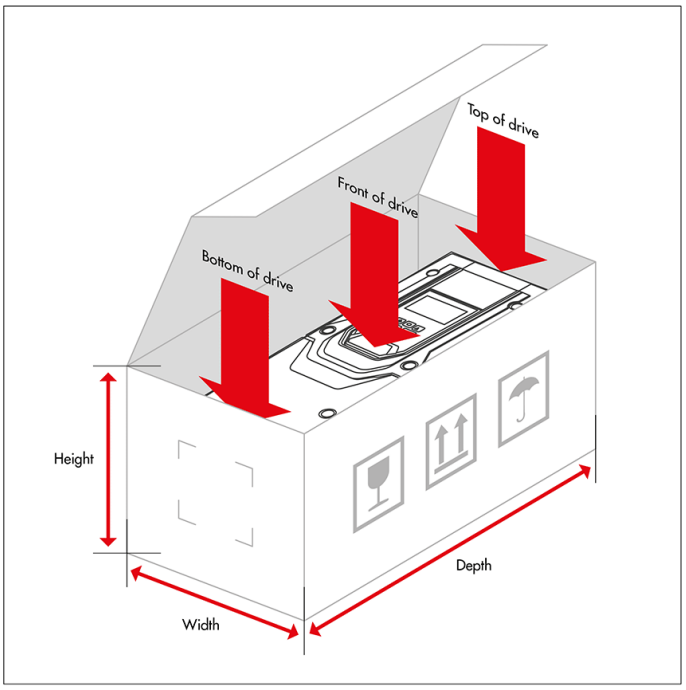
Temperature	14 - 104°F (-10 - 40°C) With Derating: 104 - 122°F (40 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions