P2 Series Variable Frequency Drive Datasheet

Model: P2-46250-3H04B-T

25 HP (18.5 kW), 28 A, 500-600 V, 3PH
IP66 Switched Outdoor Variable Frequency Drive with TFT Display



Input Ratings

Supply Voltage	500-600 V
Input Phases	3
Supply Current Continuous	34 A
Supply Fuse or MCB (Type B)	40 A

Output Ratings

Motor Output Rating	25 HP (18.5 kW)
Output Voltage	0 to Supply Voltage
Output Current	28 A

Cable Information

Max Supply Cable Size	6 AWG (16 mm²)
Max Motor Cable Size	6 AWG (16 mm²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	No Internal EMC
Brake Transistor	Internal
Minimum Brake Resistance	33 Ω
Enclosure	NEMA 4X (IP66) Switched
Display	TFT Display
PCB Coating	Standard
Communication Protocols	ModbusRTU, CANopen, and more*

Drive Dimensions

Size	4
Height	14.17 in (360mm)
Width	9.45 in (240mm)
Depth	10.67 in (271 mm)
Weight	20.94 lbs (9.5 kg)
Fixings	4 x M4

Packaged Dimensions

Height	12.8 in (325mm)
Width	11.61 in (295mm)
Depth	16.73 in (425mm)
Weight	25.35 lbs (11.5 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

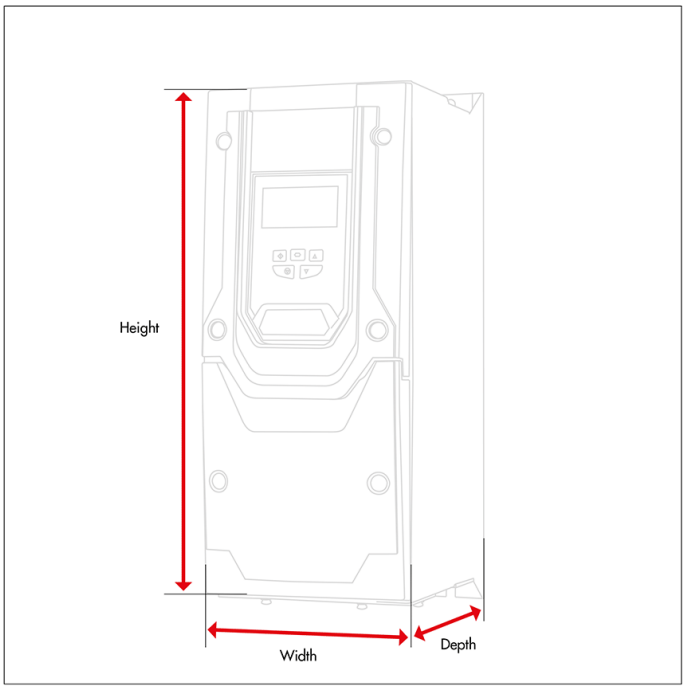
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

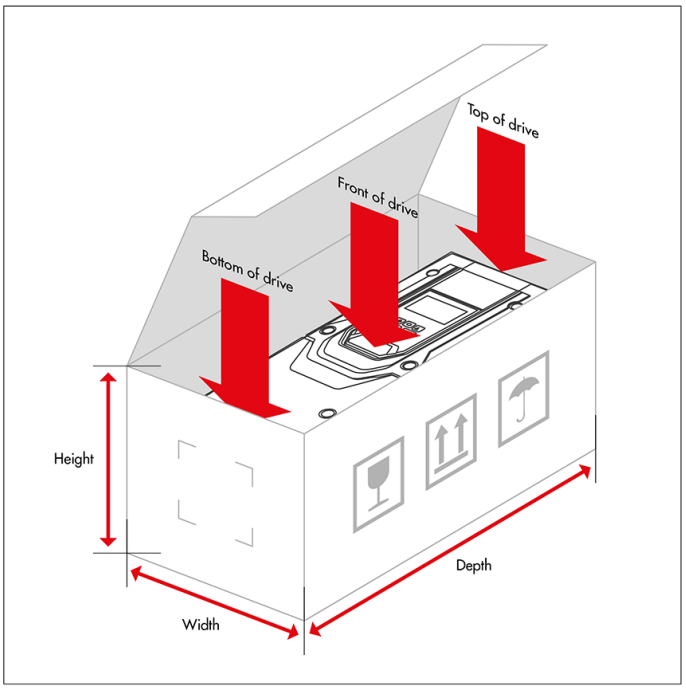
Temperature	14 - 104°F (-10 - 40°C) With Derating: 104 - 122°F (40 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions