P2 Series Variable Frequency Drive Datasheet

Model: P2-74250-3HF4N-T

250 HP (160 kW), 302 A, 380-480 V, 3PH
IP55 Variable Frequency Drive with EMC Filter and TFT Display

Input Ratings

Supply Voltage	380-480 V
Input Phases	3
Supply Current Continuous	307.8 A
Supply Fuse or MCB (Type B)	400 A

Output Ratings

Motor Output Rating	250 HP (160 kW)
Output Voltage	0 to Supply Voltage
Output Current	302 A

Cable Information

Max Supply Cable Size	300 MCM (150 mm²)
Max Motor Cable Size	300 MCM (150 mm²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	Internal
Minimum Brake Resistance	6 Ω
Enclosure	NEMA 12 (IP55)
Display	TFT Display
PCB Coating	Standard
Communication Protocols	ModbusRTU, CANopen, and more*
DC Choke	Included

Drive Dimensions

Size	7
Height	50.39 in (1280mm)
Width	12.99 in (330mm)
Depth	14.09 in (358 mm)
Weight	196.21 lbs (89 kg)
Fixings	4 x M10

Packaged Dimensions

Height	55.91 in (1420mm)
Width	21.26 in (540mm)
Depth	22.05 in (560mm)
Weight	211.64 lbs (96 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

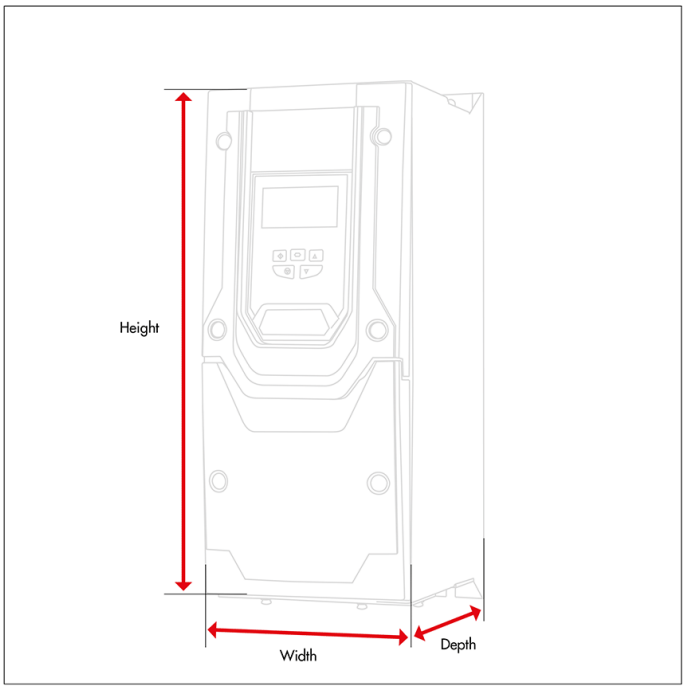
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

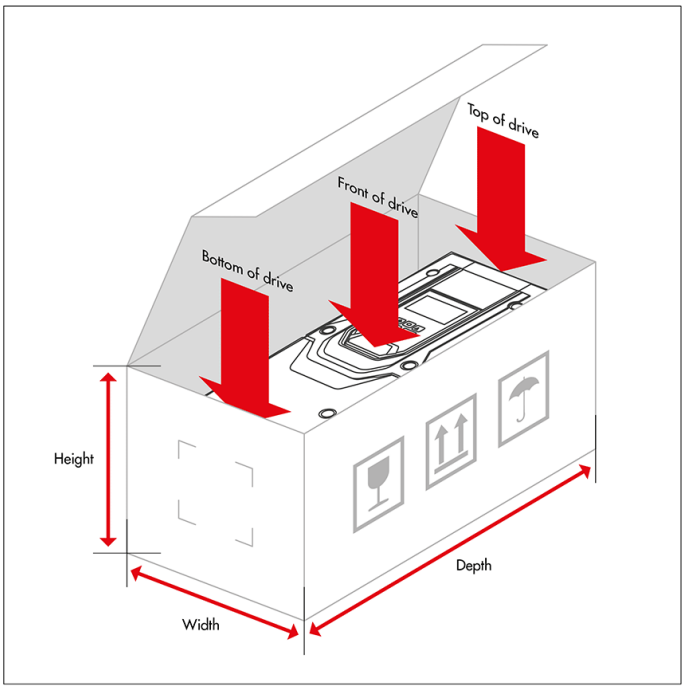
Temperature	14 - 104°F (-10 - 40°C) With Derating: 104 - 122°F (40 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions