P2 Series Variable Frequency Drive Datasheet

Model: P2-66125-3H04N-T

125 HP (90 kW), 130 A, 500-600 V, 3PH
IP55 Variable Frequency Drive with TFT Display



Input Ratings

Supply Voltage	500-600 V
Input Phases	3
Supply Current Continuous	127.7 A
Supply Fuse or MCB (Type B)	160 A

Output Ratings

Motor Output Rating	125 HP (90 kW)
Output Voltage	0 to Supply Voltage
Output Current	130 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	No Internal EMC
Brake Transistor	Internal
Minimum Brake Resistance	8 Ω
Enclosure	NEMA 12 (IP55)
Display	TFT Display
PCB Coating	Standard
Communication Protocols	ModbusRTU, CANopen, and more*
DC Choke	Included

Drive Dimensions

Size	6
Height	34.06 in (865mm)
Width	12.99 in (330mm)
Depth	13.07 in (332 mm)
Weight	121.25 lbs (55 kg)
Fixings	4 x M10

Packaged Dimensions

Height	38.58 in (980mm)
Width	17.72 in (450mm)
Depth	17.72 in (450mm)
Weight	127.87 lbs (58 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

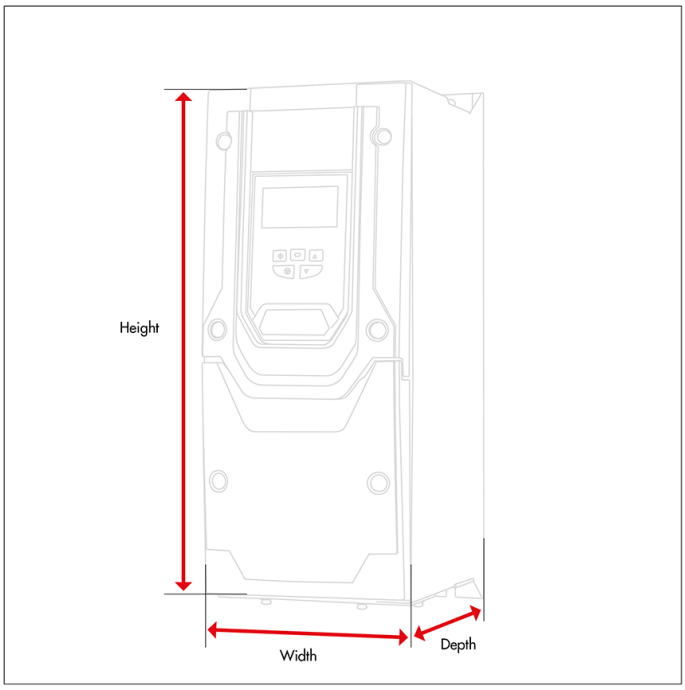
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

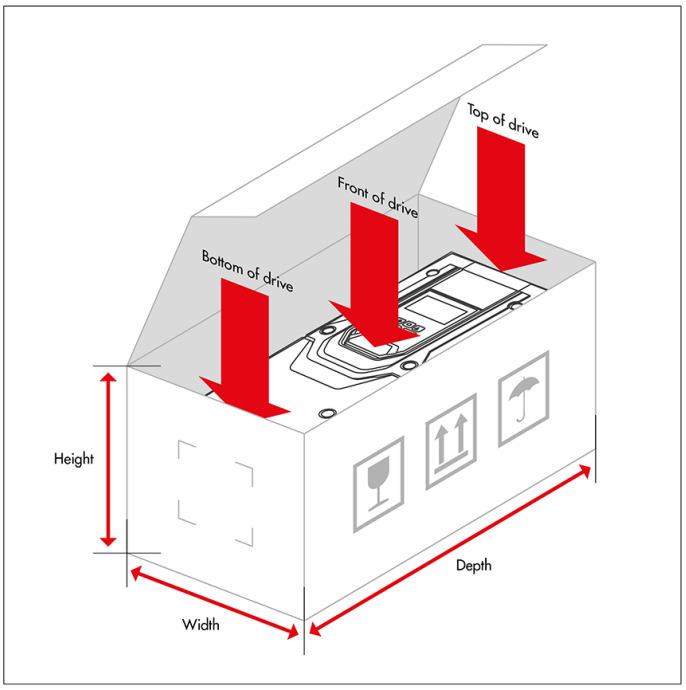
Temperature	14 - 104°F (-10 - 40°C) With Derating: 104 - 122°F (40 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions