P2 Series Variable Frequency Drive Datasheet

Model: P2-46400-3H042-T

40 HP (30 kW), 41 A, 500-600 V, 3PH
IP20 Variable Frequency Drive with TFT Display

Input Ratings

Supply Voltage	500-600 V
Input Phases	3
Supply Current Continuous	49.5 A
Supply Fuse or MCB (Type B)	63 A

Output Ratings

Motor Output Rating	40 HP (30 kW)
Output Voltage	0 to Supply Voltage
Output Current	43 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	22 Ω
Enclosure	IP20
Display	TFT Display
PCB Coating	Standard
Communication Protocols	ModbusRTU, CANopen, and more*

Drive Dimensions

Size	4
Height	16.46 in (418mm)
Width	6.77 in (172mm)
Depth	9.45 in (240 mm)
Weight	20.28 lbs (9.2 kg)
Fixings	4 x M8

Packaged Dimensions

Height	13.39 in (340mm)
Width	11.02 in (280mm)
Depth	22.05 in (560mm)
Weight	24.69 lbs (11.2 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

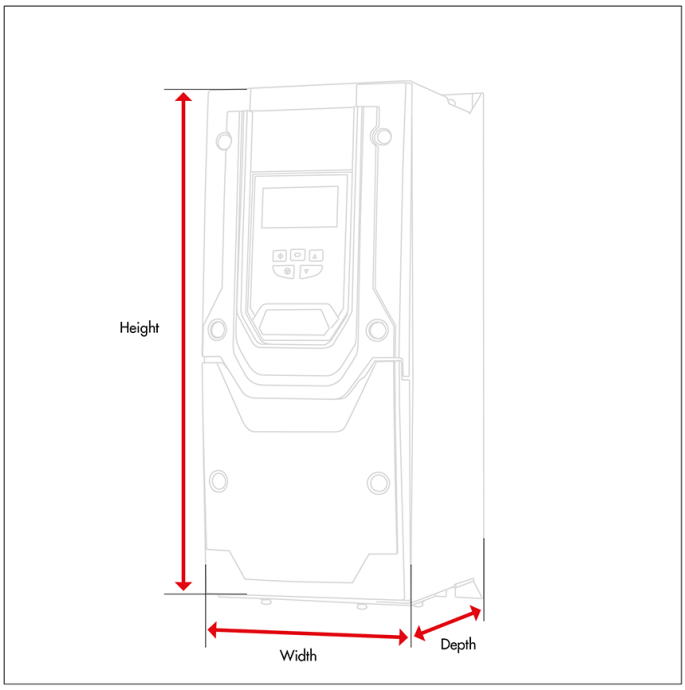
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

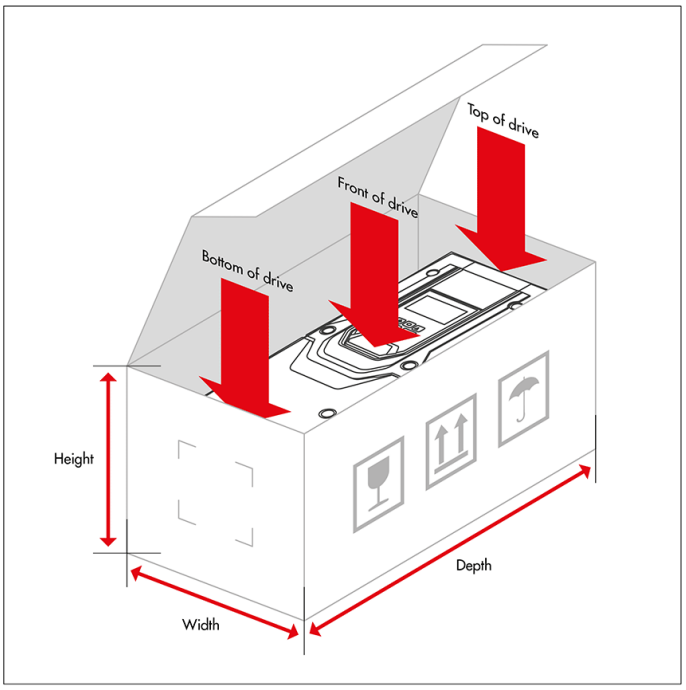
Temperature	14 - 122°F (-10 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions