P2 Series Variable Frequency Drive Datasheet

Model: P2-54050-3HF42-T

50 HP (37 kW), 72 A, 380-480 V, 3PH
IP20 Variable Frequency Drive with EMC Filter and TFT Display

Input Ratings

Supply Voltage	380-480 V
Input Phases	3
Supply Current Continuous	76.4 A
Supply Fuse or MCB (Type B)	100 A

Output Ratings

Motor Output Rating	50 HP (37 kW)
Output Voltage	0 to Supply Voltage
Output Current	72 A

Cable Information

Max Supply Cable Size	2 AWG (35 mm²)
Max Motor Cable Size	2 AWG (35 mm²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	Internal
Minimum Brake Resistance	12 Ω
Enclosure	IP20
Display	TFT Display
PCB Coating	Standard
Communication Protocols	ModbusRTU, CANopen, and more*
DC Choke	Included

Drive Dimensions

Size	5
Height	19.13 in (486mm)
Width	9.17 in (233mm)
Depth	10.24 in (260 mm)
Weight	39.9 lbs (18.1 kg)
Fixings	4 x M8

Packaged Dimensions

Height	14.02 in (356mm)
Width	13.23 in (336mm)
Depth	25.91 in (658mm)
Weight	44.31 lbs (20.1 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

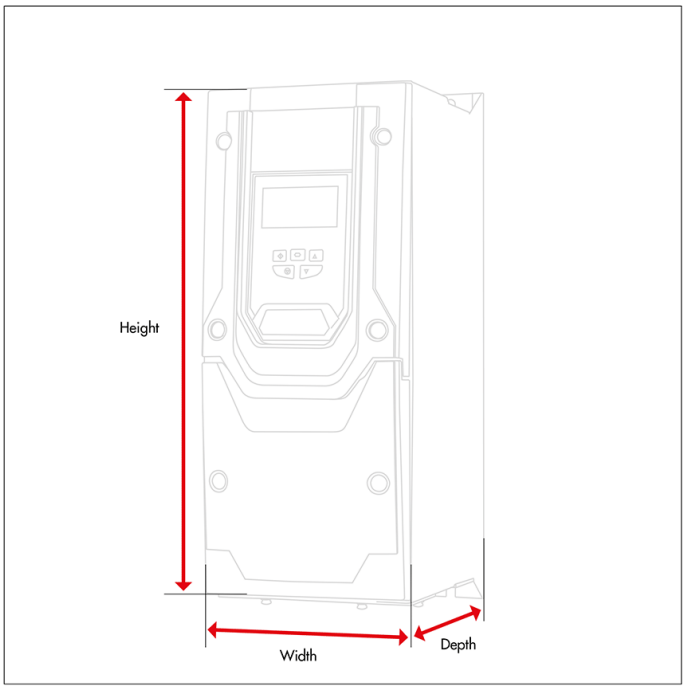
Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

Environmental Ratings

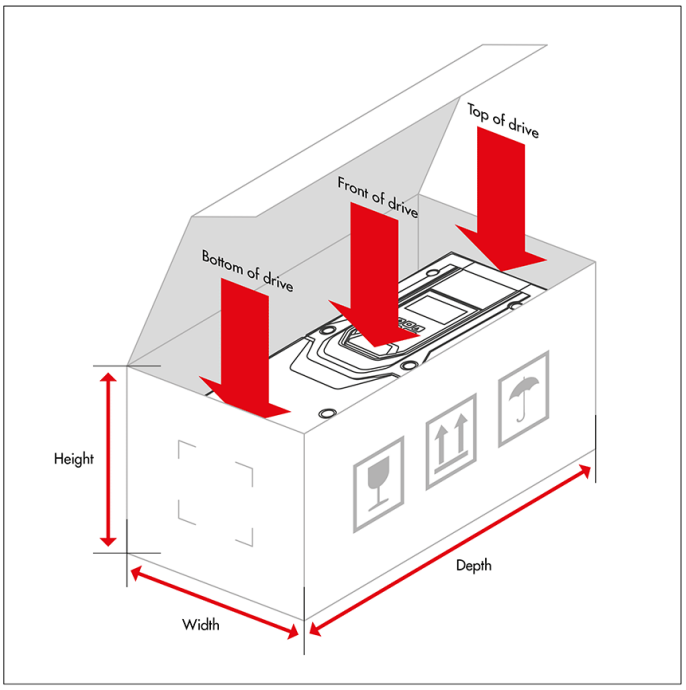
Temperature	14 - 122°F (-10 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m

* Consult factory for additional communication options.

How we measure our drives and packaging



Drive Dimensions



Package Dimensions