# P2 Series Variable Frequency Drive Datasheet

Model: P2-46400-3H04A-T

**40 HP (30 kW), 41 A, 500-600 V, 3PH**
**IP66 Non Switched Outdoor 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 | NEMA 4X (IP66) Non 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 | 10.28 in (261 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

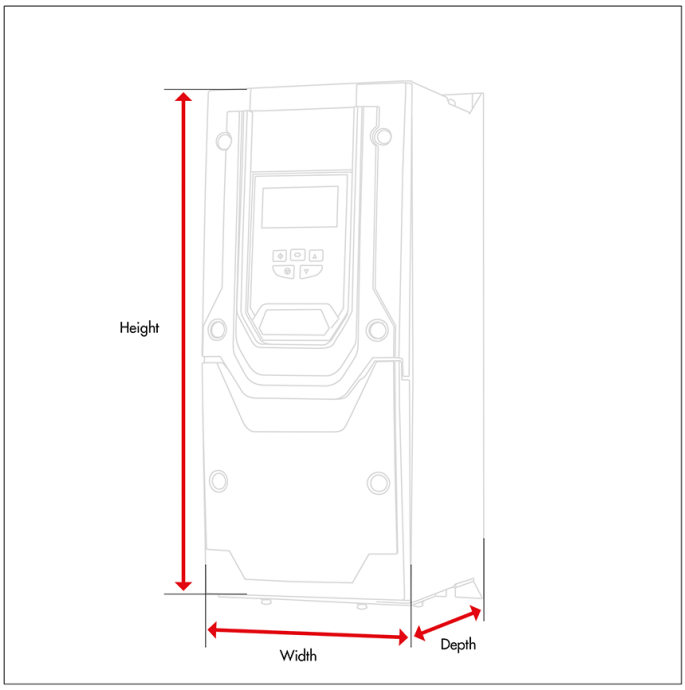
**Bardac Drives** 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

## Environmental Ratings

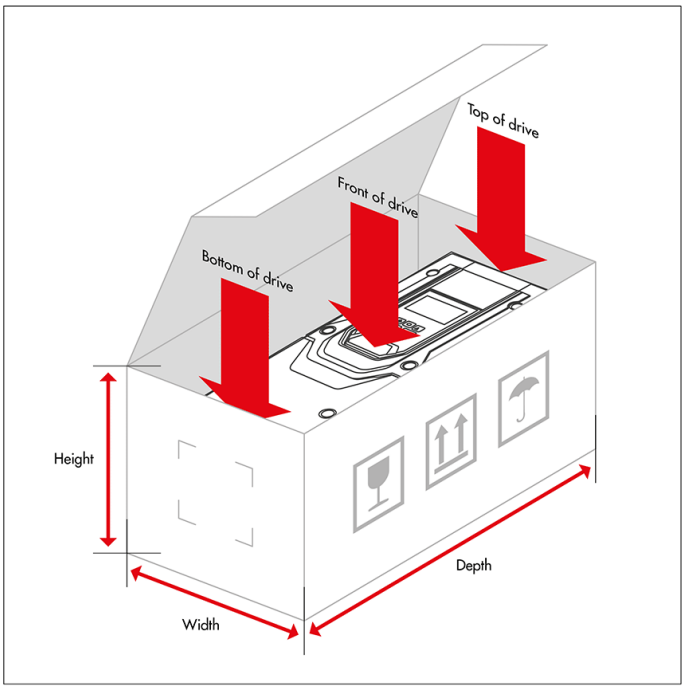
| | |
|---|---|
| Temperature | 14 - 104°F (-10 - 40°C)<br>With Derating: 104 - 122°F (40 - 50°C) |
| Altitude | <= 1000m<br>With Derating: <= 4000m |

* Consult factory for additional communication options.

## How we measure our drives and packaging




Drive Dimensions




Package Dimensions