# P2 Series Variable Frequency Drive Datasheet

Model: P2-84300-3HF4N-T

**300 HP (200 kW), 370 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 | 370 A |
| Supply Fuse or MCB (Type B) | 500 A |

## Output Ratings

| | |
|---|---|
| Motor Output Rating | 300 HP (200 kW) |
| Output Voltage | 0 to Supply Voltage |
| Output Current | 370 A |

## Cable Information

| | |
|---|---|
| Max Supply Cable Size | 500 MCM (240 mm²) |
| Max Motor Cable Size | 500 MCM (240 mm²) |
| Max Motor Cable Length | 328 ft (100 m) |

## Factory Build Options

| | |
|---|---|
| EMC Filter | Internal EMC |
| Brake Transistor | Internal |
| Minimum Brake Resistance | 3 Ω |
| Enclosure | NEMA 12 (IP55) |
| Display | TFT Display |
| PCB Coating | Standard |
| Communication Protocols | ModbusRTU, CANopen, and more* |
| DC Choke | Included |

## Drive Dimensions

| | |
|---|---|
| Size | 8 |
| Height | 52.52 in (1334mm) |
| Width | 17.48 in (444mm) |
| Depth | 16.65 in (423 mm) |
| Weight | 317.47 lbs (144 kg) |
| Fixings | 4 x M12 |

## Packaged Dimensions

| | |
|---|---|
| Height | 38.58 in (980mm) |
| Width | 24.02 in (610mm) |
| Depth | 40.94 in (1040mm) |
| Weight | 363.76 lbs (165 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

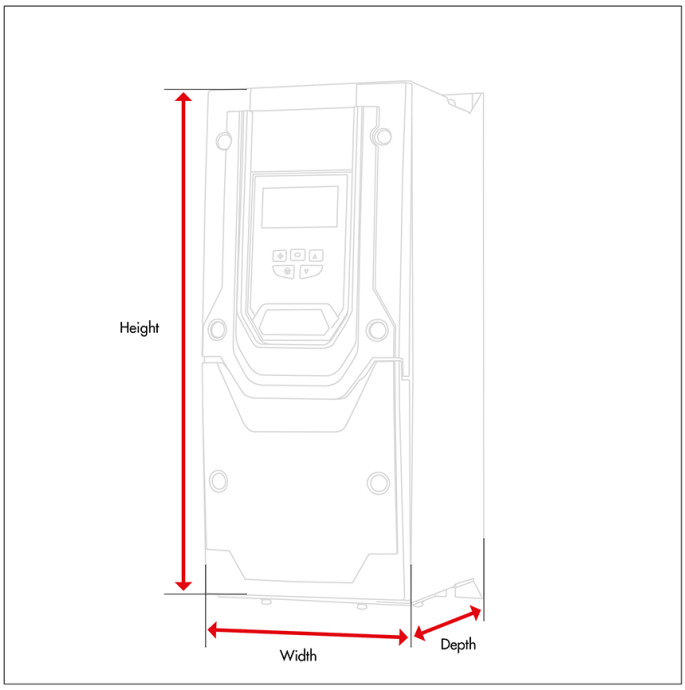
**Bardac Drives** 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com

## Environmental Ratings

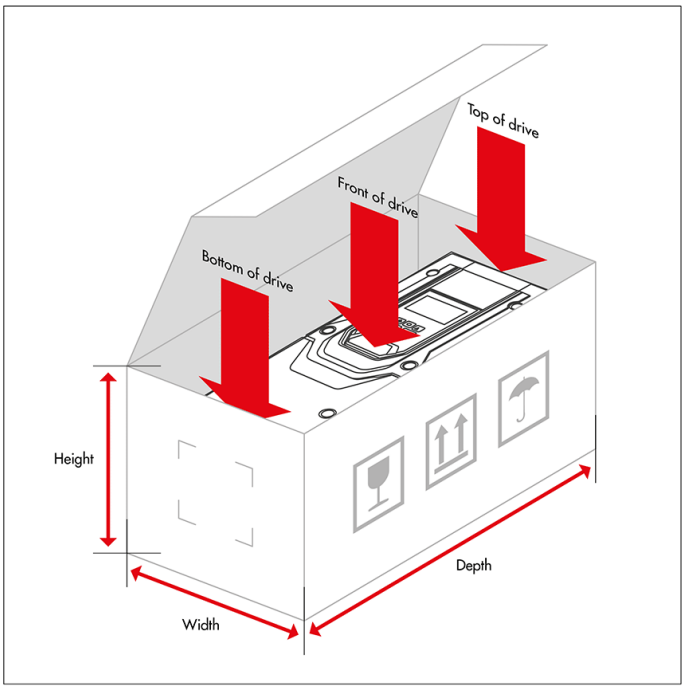
| | |
|---|---|
| Temperature | 14 - 104°F (-10 - 40°C)<br>With Derating: 104 - 122°F (40 - 50°C) |
| Altitude | <= 1000m<br>With Derating: <= 4000m |

* Consult factory for additional communication options.

## How we measure our drives and packaging




Drive Dimensions




Package Dimensions