

# P2 Series Variable Frequency Drive Datasheet

Model: P2-84300-3HR4N-T

**300 HP (200 kW), 370 A, 380-480 V, 3PH**  
**IP55 Variable Frequency Drive with 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 mm <sup>2</sup> ) |
| Max Motor Cable Size   | 500 MCM (240 mm <sup>2</sup> ) |
| Max Motor Cable Length | 328 ft (100 m)                 |

## Factory Build Options

|                          |                             |
|--------------------------|-----------------------------|
| EMC Filter               | High Performance EMC Filter |
| Brake Transistor         | Internal                    |
| Minimum Brake Resistance | 3 Ω                         |
| Enclosure                | NEMA 12 (IP55)              |
| Display                  | TFT Display                 |
| PCB Coating              | Standard                    |
| 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



## Environmental Ratings

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