

P2 Series Variable Frequency Drive Datasheet

Model: P2-84400-3HR42-T

400 HP (250 kW), 480 A, 380-480 V, 3PH
IP20 Variable Frequency Drive with TFT Display

Input Ratings

| | |
|-----------------------------|-----------|
| Supply Voltage | 380-480 V |
| Input Phases | 3 |
| Supply Current Continuous | 480 A |
| Supply Fuse or MCB (Type B) | 600 A |

Output Ratings

| | |
|---------------------|---------------------|
| Motor Output Rating | 400 HP (250 kW) |
| Output Voltage | 0 to Supply Voltage |
| Output Current | 480 A |

Cable Information

| | |
|------------------------|--------------------------------|
| Max Supply Cable Size | 500 MCM (240 mm ²) |
| Max Motor Cable Size | 500 MCM (240 mm ²) |
| 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 | IP20 |
| Display | TFT Display |
| PCB Coating | Standard |
| DC Choke | Included |

Drive Dimensions

| | |
|---------|-----------------------|
| Size | 8 |
| Height | 38.35 in (974mm) |
| Width | 17.48 in (444mm) |
| Depth | 16.65 in (423 mm)□□ |
| Weight | 274.48 lbs (124.5 kg) |
| Fixings | 4 x M12 |

Packaged Dimensions

| | |
|--------|---------------------|
| Height | 25.98 in (660mm) |
| Width | 24.41 in (620mm) |
| Depth | 40.16 in (1020mm) |
| Weight | 317.47 lbs (144 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 - 122°F (-10 - 50°C) |
| Altitude | <= 1000m With Derating: <= 4000m |