

P2 Series Variable Frequency Drive Datasheet

Model: P2-46250-3H04N-T

25 HP (18.5 kW), 28 A, 500-600 V, 3PH
IP55 Variable Frequency Drive with TFT Display

Input Ratings

| | |
|-----------------------------|-----------|
| Supply Voltage | 500-600 V |
| Input Phases | 3 |
| Supply Current Continuous | 34 A |
| Supply Fuse or MCB (Type B) | 40 A |

Output Ratings

| | |
|---------------------|---------------------|
| Motor Output Rating | 25 HP (18.5 kW) |
| Output Voltage | 0 to Supply Voltage |
| Output Current | 28 A |

Cable Information

| | |
|------------------------|-----------------------------|
| Max Supply Cable Size | 6 AWG (16 mm ²) |
| Max Motor Cable Size | 6 AWG (16 mm ²) |
| Max Motor Cable Length | 328 ft (100 m) |

Factory Build Options

| | |
|------------------|-----------------|
| EMC Filter | No Internal EMC |
| Brake Transistor | Internal |
| Enclosure | NEMA 12 (IP55) |
| Display | TFT Display |
| PCB Coating | Standard |

Drive Dimensions

| | |
|---------|---------------------|
| Size | 4 |
| Height | 17.72 in (450mm) |
| Width | 6.73 in (171mm) |
| Depth | 9.92 in (252 mm) |
| Weight | 25.35 lbs (11.5 kg) |
| Fixings | 4 x M8 |

Packaged Dimensions

| | |
|--------|---------------------|
| Height | 20.08 in (510mm) |
| Width | 9.45 in (240mm) |
| Depth | 12.99 in (330mm) |
| Weight | 29.76 lbs (13.5 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



Environmental Ratings

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