

P2 Series Variable Frequency Drive Datasheet

Model: P2-46400-3H04N-T

40 HP (30 kW), 41 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	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	41 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