

P2 Series Variable Frequency Drive Datasheet

Model: P2-46250-3H04A-T

25 HP (18.5 kW), 28 A, 500-600 V, 3PH

IP66 Non Switched Outdoor 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 4X (IP66) Non Switched
Display	TFT Display
PCB Coating	Standard

Drive Dimensions

Size	4
Height	14.17 in (360mm)
Width	9.45 in (240mm)
Depth	10.28 in (261 mm)
Weight	20.94 lbs (9.5 kg)
Fixings	4 x M4

Packaged Dimensions

Height	12.8 in (325mm)
Width	11.61 in (295mm)
Depth	16.73 in (425mm)
Weight	25.35 lbs (11.5 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