

P2 Series Variable Frequency Drive Datasheet

Model: P2-74250-3HF4N-T

250 HP (160 kW), 302 A, 380-480 V, 3PH
IP55 Variable Frequency Drive with EMC Filter and TFT Display

Input Ratings

Supply Voltage	380-480 V
Input Phases	3
Supply Current Continuous	307.8 A
Supply Fuse or MCB (Type B)	400 A

Output Ratings

Motor Output Rating	250 HP (160 kW)
Output Voltage	0 to Supply Voltage
Output Current	302 A

Cable Information

Max Supply Cable Size	300 MCM (150 mm ²)
Max Motor Cable Size	300 MCM (150 mm ²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	Internal
Enclosure	NEMA 12 (IP55)
Display	TFT Display
PCB Coating	Standard

Drive Dimensions

Size	7
Height	50.39 in (1280mm)
Width	12.99 in (330mm)
Depth	14.09 in (358 mm)
Weight	196.21 lbs (89 kg)
Fixings	4 x M10

Packaged Dimensions

Height	55.91 in (1420mm)
Width	21.26 in (540mm)
Depth	22.05 in (560mm)
Weight	211.64 lbs (96 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