

P2 Series Variable Frequency Drive Datasheet

Model: P2-54050-3HF4N-T

50 HP (37 kW), 72 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	76.4 A
Supply Fuse or MCB (Type B)	100 A

Output Ratings

Motor Output Rating	50 HP (37 kW)
Output Voltage	0 to Supply Voltage
Output Current	72 A

Cable Information

Max Supply Cable Size	2 AWG (35 mm ²)
Max Motor Cable Size	2 AWG (35 mm ²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	Internal
Minimum Brake Resistance	12 Ω
Enclosure	NEMA 12 (IP55)
Display	TFT Display
PCB Coating	Standard
DC Choke	Included

Drive Dimensions

Size	5
Height	21.26 in (540mm)
Width	9.25 in (235mm)
Depth	10.63 in (270 mm)
Weight	50.71 lbs (23 kg)
Fixings	4 x M8

Packaged Dimensions

Height	23.43 in (595mm)
Width	13.78 in (350mm)
Depth	14.76 in (375mm)
Weight	55.12 lbs (25 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 - 104°F (-10 - 40°C) With Derating: 104 - 122°F (40 - 50°C)
Altitude	<= 1000m With Derating: <= 4000m