

# E3 Series Variable Frequency Drive Datasheet

Model: E3-220070-1F42

**2 HP (1.5 kW), 7 A, 200-240 V, 1-3PH**  
**IP20 Variable Frequency Drive with EMC Filter**

## Input Ratings

Supply Voltage	200-240 V
Input Phases	1
Supply Current Continuous	12.9 A
Supply Fuse or MCB (Type B)	16 A

## Output Ratings

Motor Output Rating	2 HP (1.5 kW)
Output Voltage	0 to Supply Voltage
Output Current	7 A

## Cable Information

Max Supply Cable Size	8 AWG (8 mm <sup>2</sup> )
Max Motor Cable Size	8 AWG (8 mm <sup>2</sup> )
Max Motor Cable Length	328 ft (100 m)

## Factory Build Options

EMC Filter	Internal EMC Filter
Brake Transistor	Internal Brake Transistor
Minimum Brake Resistance	100 Ω
Enclosure	IP20
Display	LED
Communication Protocols	ModbusRTU, CANopen, and more*

## Drive Dimensions

Size	2
Height	8.7 in (221 mm)
Width	4.33 in (110 mm)
Depth	5.91 in (150 mm)
Weight	3.75 lbs (1.7 kg)
Fixings	4 x M5

## Packaged Dimensions

Height	9.21 in (234 mm)
Width	5.67 in (144 mm)
Depth	10.24 in (260 mm)
Weight	4.19 lbs (1.9 kg)

\* Consult factory for additional communication options.

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

