

# V3 Series Variable Frequency Drive Datasheet

Model: V3-844800-3F1N-T

**400 HP (250 kW), 480 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	480 A
Supply Fuse or MCB (Type B)	600 A

## Output Ratings

Motor Output Rating	400 HP (250 kW)
Output Voltage	0 to Supply Voltage
Output Current	480 A

## Cable Information

Max Supply Cable Size	500 MCM (240 mm <sup>2</sup> )
Max Motor Cable Size	500 MCM (240 mm <sup>2</sup> )
Max Motor Cable Length	328 ft (100 m)

## Factory Build Options

EMC Filter	Internal EMC
Brake Transistor	No Brake Transistor
Enclosure	NEMA 12 (IP55)
Display	TFT Display
PCB Coating	Standard
Communication Protocols	BACnet, ModbusRTU, and more*

## Drive Dimensions

Size	8
Height	52.52 in (1334 mm)
Width	17.48 in (444 mm)
Depth	16.65 in (423 mm)
Weight	317.47 lbs (144 kg)
Fixings	4 x M12

## Packaged Dimensions

Height	38.58 in (980 mm)
Width	24.02 in (610 mm)
Depth	40.94 in (1040 mm)
Weight	363.76 lbs (165 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

