V3 Series Variable Frequency Drive Datasheet

Model: V3-844800-3R1N-T

400 HP (250 kW), 480 A, 380-480 V, 3PH
IP55 Variable Frequency Drive with 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 mm²)
Max Motor Cable Size	500 MCM (240 mm²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	High Performance EMC Filter
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

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