E3 Series Variable Frequency Drive Datasheet

Model: E3-420300-104B

10 HP (7.5 kW), 30 A, 200-240 V, 1-3PH
IP66 Outdoor Switched Variable Frequency Drive



Input Ratings

Supply Voltage	200-240 V
Input Phases	1
Supply Current Continuous	66 A
Supply Fuse or MCB (Type B)	80 A

Output Ratings

Motor Output Rating	10 HP (7.5 kW)
Output Voltage	0 to Supply Voltage
Output Current	30 A

Cable Information

Max Supply Cable Size	2 AWG (35 mm²)
Max Motor Cable Size	6 AWG (16 mm²)
Max Motor Cable Length	328 ft (100 m)

Factory Build Options

EMC Filter	No Internal EMC Filter
Brake Transistor	Internal Brake Transistor
Minimum Brake Resistance	15 Ω
Enclosure	NEMA 4X (IP66) Switched
Display	LED
Communication Protocols	ModbusRTU, CANopen, and more*

Drive Dimensions

Size	4
Height	14.17 in (360 mm)
Width	9.45 in (240 mm)
Depth	10.67 in (271 mm)
Weight	20.94 lbs (9.5 kg)
Fixings	4 x M4

Packaged Dimensions

Height	12.8 in (325 mm)
Width	11.61 in (295 mm)
Depth	16.73 in (425 mm)
Weight	25.35 lbs (11.5 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

Bardac Drives 40 Log Canoe Circle, Stevensville, MD 21666 USA
Phone (410) 604-3400 Fax (410) 604-3500 www.bardac.com AutomationThings.com