V3 Series Variable Frequency Drive Datasheet

Model: V3-460280-301A-T

25 HP (18.5 kW), 28 A, 500-600 V, 3PH
IP66 Non Switched Outdoor Variable Frequency Drive with TFT Display



Input Ratings

Supply Voltage	500-600 V
Input Phases	3
Supply Current Continuous	34 A
Supply Fuse or MCB (Type B)	40 A

Output Ratings

Motor Output Rating	25 HP (18.5 kW)
Output Voltage	0 to Supply Voltage
Output Current	28 A

Cable Information

Max Supply Cable Size	6 AWG (16 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
Brake Transistor	No Brake Transistor
Enclosure	NEMA 4X (IP66) Non Switched
Display	TFT Display
PCB Coating	Standard
Communication Protocols	BACnet, ModbusRTU, and more*

Drive Dimensions

Size	4
Height	14.17 in (360 mm)
Width	9.45 in (240 mm)
Depth	10.28 in (261 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

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