

2B12038B48U-P141 AVC 48V 1.30A 120x120x38mm DC Axial Fan

SKU: 2B12038B48U-P141

Price: \$16.99

Categories: Fans

Tags: AVC

Product Link:

<https://www.electspares.com/product/2b12038b48u-p141-avc-48v-1-30a-120x120x38mm-dc-axial-fan/>

Product Description

The AVC 2B12038B48U-P141 is a high-performance 48 VDC DC Axial Fan with dimensions of 120 x 120 x 38 mm, specifically engineered for precision thermal management in industrial frequency converters and electrical control cabinets. Driven by a high-output brushless motor with a nominal current of 1.30 A and a power consumption of 62.4 W, this precision unit features integrated PWM speed control, allowing for dynamic airflow adjustment based on system thermal load. Constructed with a reinforced UL94V-0 plastic housing and a specialized 11-blade high-pressure impeller system featuring high-precision dual ball bearings and a 4-wire interface (Power, Ground, FG, and PWM), this 290 g unit provides a dependable and energy-efficient air-moving solution with locked rotor protection, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

2B12038B48U-P141 Fan Parameters

Model Number: 2B12038B48U-P141

Manufacturer: AVC

Series: 2B Series

Type: DC Axial Fan

Impeller Size: 112 mm

Dimensions: 120 x 120 x 38 mm

Weight: 290 g

Bearing Type: Dual Ball Bearing

Nominal Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Power Consumption: 62.4 W

Nominal Current: 1.30 A

Speed: 5200 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Actual Air Flow: 210.5 CFM (357.6 m³/h)

Actual Static Pressure: 1.45 inAq (360.8 Pa)

Noise Level: 64.5 dB(A)

Motor Protection: Auto Restart / Polarity Protection

Insulation Class: Class A

Electrical Hookup: 4 Lead wires (PWM Speed Control)

Number of Blades: 11

Direction of Rotation: Counter-clockwise, viewed toward rotor

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Installation Position: Any

Operating Temperature: -10 - +70 °C

Storage Temperature: -40 - +70 °C

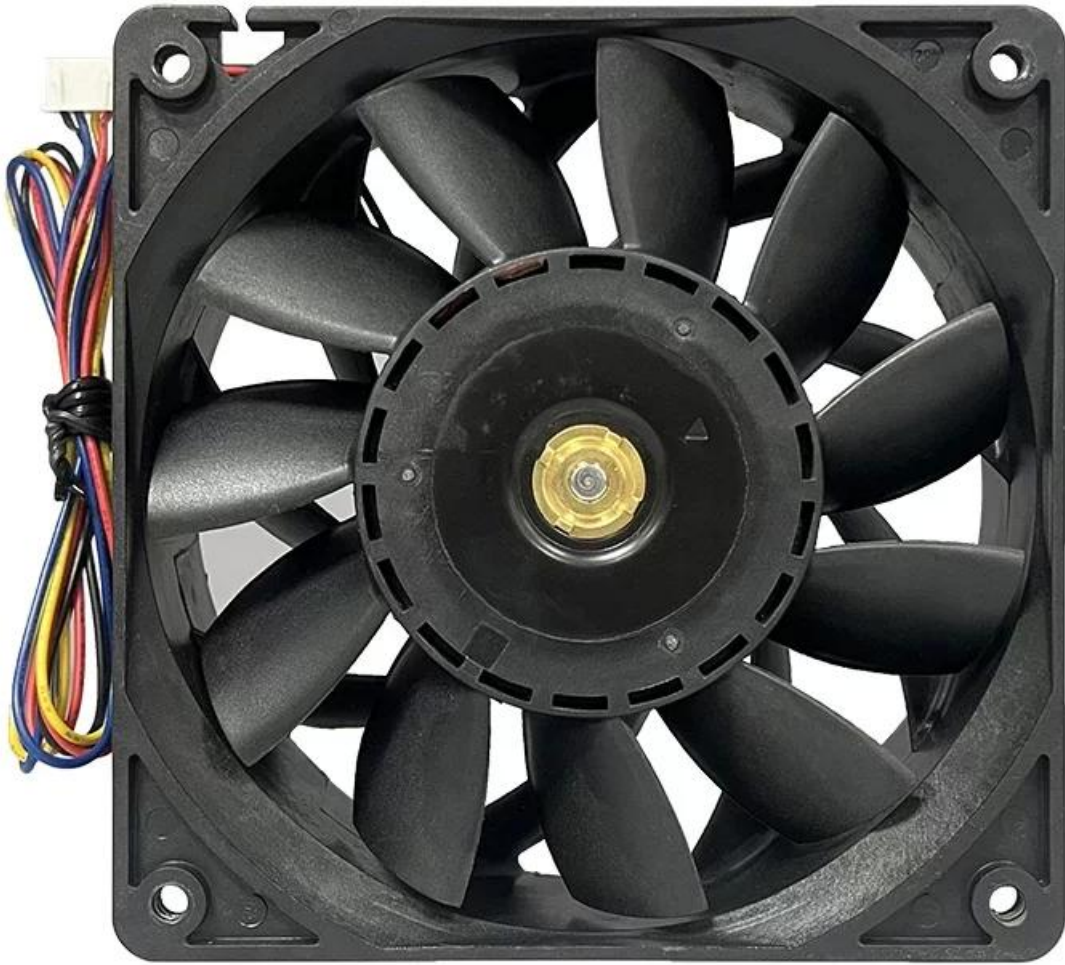
Standard Compliance: UL; CUL; TUV; CE

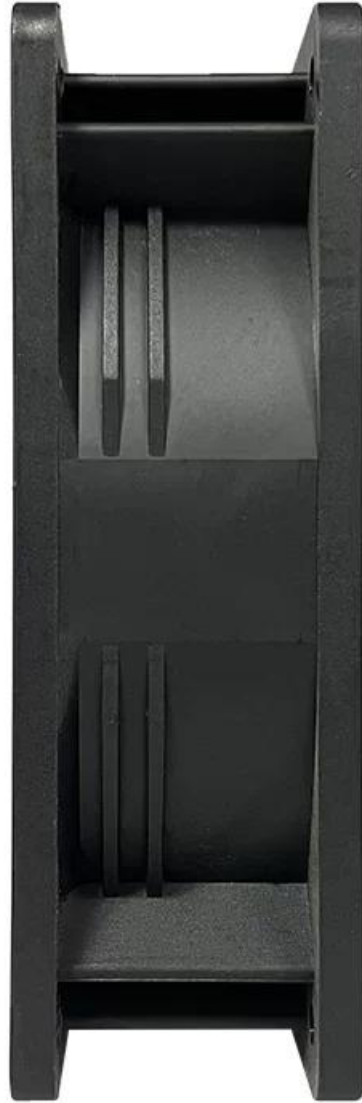
Application

The AVC 2B12038B48U-P141 DC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

Product Images









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