

MBA5024LB-O20 Protechnic 24V 50x50x15mm DC Blower Fan

SKU: MBA5024LB-O20

Price: \$9.99

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mba5024lb-o20-protechnic-24v-50x50x15mm-dc-blower-fan/>

Product Description

The Protechnic MBA5024LB-O20 is a high-performance 24 V DC Blower Fan with dimensions of 50 x 50 x 15 mm, specifically engineered for localized high-static pressure cooling in medical devices and industrial automation systems. Driven by a high-efficiency electronically commutated motor with integrated auto-restart and reverse polarity protection, this unit features a precise Max. Power Consumption of 1.68 W and a Max. Current Draw of 0.07 A at 24 V DC. Operating at a rated speed of 4000 RPM, it provides a powerful directional airflow to maintain optimal temperature in high-density electronic environments. Constructed with a glass-fiber reinforced PBT plastic housing and a high-density centrifugal impeller featuring precision dual ball bearings, this 25 g unit ensures maximum cooling density and long-term mechanical stability for integrated industrial applications at the end.

MBA5024LB-O20 Fan Parameters

Model Number: MBA5024LB-O20

Manufacturer: Protechnic

Type: DC Blower Fan

Dimensions: 50.0 x 50.0 x 15.0 mm

Weight: 25 g

Bearing Type: Ball bearing

Nominal Voltage: 24 V DC

Voltage Range: 14.0 - 27.6 V DC

Max. Power Consumption: 1.68 W

Max. Current Draw: 0.07 A (70 mA)

Rated Speed: 4000 RPM

Max. Air Flow: 3.5 CFM (5.95 m³/h / 0.10 m³/min)

Max. Static Pressure: 10.2 mmH₂O (100.0 Pa / 0.40 inH₂O)

Working Air Flow: 5.95 m³/h

Static Pressure Increase: 100.0 Pa

Motor Protection: Auto-restart and reverse polarity protection

Insulation Class: Class A

Insulation Resistance: Over 10 MΩ at DC 500 V (between frame and terminal)

Dielectric Strength: 5 mA Max. at AC 500 V for 1 minute

Electrical Hookup: 2 lead wires (Red: +UB, Black: GND)

Wire Length: 200 mm (26 AWG)

Number of Blades: 20 (Centrifugal)

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Airflow Direction: Radial (90-degree exhaust)

Housing Material: Glass-fiber reinforced PBT plastic (UL 94V-0)

Impeller Material: Glass-fiber reinforced PBT plastic (UL 94V-0)

Operation Mode: S1 (Continuous operation)

Sound Pressure Level: 28.5 dB(A)

Service Life (L10): 70,000 h (at 40 °C)

Operating Temperature: -10 - +70 °C

Storage Temperature: -40 - +80 °C

Standard Compliance: UL507; CE

Approval Agency: UL; CUL; TUV; CE

Application

The Protechnic MBA5024LB-O20 blower fan is the primary cooling component for portable medical equipment, high-precision laboratory instruments, and compact power supply units requiring directional high-pressure airflow.

Product Images



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