

MGA8024UB-O25 Protechnic 24V 0.48A 80mm 8025 DC Axial Fan

SKU: MGA8024UB-O25

Price: \$9.99

Categories: Fans

Tags: Protechnic

Product Link:

<https://www.electspares.com/product/mga8024ub-o25-protechnic-24v-0-48a-80mm-8025-dc-axial-fan/>

Product Description

The Protechnic Electric MGA8024UB-O25 is a high-velocity 24 VDC axial fan engineered for intensive thermal management in demanding industrial and telecommunications environments. Operating on a nominal 24 VDC supply, this unit features a precision brushless DC motor that achieves a formidable speed of 4800 RPM with an actual power consumption of 4.8 W (rated at 11.52 W). Housed in a compact 80 x 80 x 25 mm plastic frame with plastic blades, the fan delivers an air flow of 1.763 m³/min (62.23 CFM) and a high static pressure of 96.24 Pa (0.386 inH₂O). Equipped with dual ball bearings and advanced electronic safeguards including automatic restart and locked current protection, the MGA8024UB-O25 ensures reliable operation for 40000 h at 60 °C within a wide temperature range of -10 °C to 70 °C.

MGA8024UB-O25 Fan Parameters

Manufacturer: Protechnic Electric

Model Number: MGA8024UB-O25

Category: Axial Fan

Type: DC Fan

Nominal Voltage: 24 VDC

Nominal Voltage Range: 14.0 - 27.6 VDC

Dimensions: 80 x 80 x 25 mm

Impeller Size: 76 mm

Weight: 74 g

[Electrical Data]

Nominal Speed: 4800 RPM

Power Rating: 11.52 W

Actual Power: 4.8 W

Current Rating: 0.48 A

Actual Current: 0.2 A

Termination: 2 Wire Leads

Motor Protection: Automatic restart, Locked current protection

Insulation Class: UL Class A

[Performance & Acoustics]

Max. Air Flow: 1.763 m³/min (62.23 CFM)

Max. Static Pressure: 96.24 Pa (9.81 mmAq / 0.386 inH₂O)

Noise Level: 48.2 dB(A)

Direction of Rotation: Counterclockwise (viewed toward rotor)

Airflow Direction: Intake over struts

[Materials & Construction]

Frame Material: Plastic (PBT, UL 94V-0)

Blade Material: Plastic (PBT, UL 94V-0)

Bearing Type: Ball Bearing

Installation Position: Any

Mounting: Flange mount (4 holes)

[Reliability & Protection]

Operating Temperature: -10 - 70 °C (14 - 158 °F)

Storage Temperature: -40 - 70 °C (5 % - 95 % RH)

Lifetime (L10): 40000 h @ 60 °C

Approval Agency: CE, TUV, UL

RoHS Compliant: Yes

Application

The Protechnic Electric MGA8024UB-O25 axial fan is specifically engineered for high-performance cooling in server racks and industrial power supply units where its 80 x 80 x 25 mm compact frame and 4800 RPM motor are required to deliver a critical 62.23 CFM airflow and 96.24 Pa static pressure, while its ball bearing system and 4.8 W energy-efficient operation ensure stable 24 VDC heat dissipation and a service life of 40000 h in mission-critical environments up to 60 °C.

Product Images









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