

# MGA4012XB-028 Protechnic 12VDC 0.25A 40x40x28mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [951492460439](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/mga4012xb-028-protechnic-12vdc-0-25a-40x40x28mm-axial-fan>

## Product Description

The Protechnic MGA4012XB-028 is a precision-engineered DC Axial Fan designed for high-density thermal management applications requiring substantial static pressure. Utilizing advanced DC motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design optimizes airflow efficiency while minimizing thermal impedance within compact enclosures. Engineered for reliability, the MGA4012XB-028 maintains stable performance metrics, making it an ideal solution for critical industrial cooling requirements where component durability and consistent air delivery are paramount.

Model Number: MGA4012XB-028

Brand: Protechnic

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.25 A

Power Input: 3.0 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 16.5 CFM (28.03 m<sup>3</sup>/h / 0.47 m<sup>3</sup>/min)

Max. Static Pressure: 11.43 mmH<sub>2</sub>O (112.09 Pa / 0.45 inH<sub>2</sub>O)

Dimensions: 40 x 40 x 28 mm

Weight: 45 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 42.0 dB(A)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Ingress Protection: IP40

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Safety Certifications: UL, cUL, TUV, CE

This high-static pressure cooling solution is specifically calibrated for restricted airflow environments such as 1U server racks, telecommunications switches, and compact power supply units. The MGA4012XB-028 excels in dissipating heat from dense electronic arrays found in industrial automation equipment and network appliances. By delivering concentrated airflow, the MGA4012XB-028 ensures optimal operating temperatures for sensitive components in medical instrumentation and embedded systems, preventing thermal throttling in mission-critical hardware.

## Supplemental Images

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