

# MGT4012XB-R28 Protechnic 12VDC 40x40x28mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [672401824244](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page:

<https://www.equipspares.com/product/mgt4012xb-r28-protechnic-12vdc-40x40x28mm-axial-fan>

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## Product Description

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The Protechnic MGT4012XB-R28 is a precision-engineered DC axial fan designed for high-density thermal management applications requiring substantial static pressure. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation, significantly reducing the risk of mechanical failure. The aerodynamic impeller design optimizes airflow dynamics while minimizing acoustic resonance, resulting in a favorable thermal impedance profile. Constructed with robust housing materials to withstand industrial environments, the MGT4012XB-R28 delivers reliable cooling performance, making it an ideal solution for maintaining structural rigidity and component integrity in sensitive electronic assemblies requiring efficient heat dissipation.

Model Number: MGT4012XB-R28

Brand: Protechnic

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.25 A

Power Input: 3.00 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: 14.22 mmH<sub>2</sub>O (139.45 Pa / 0.56 inH<sub>2</sub>O)

Dimensions: 40x40x28mm

Weight: 48 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 42.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Ingress Protection: IP40

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires (UL1007 AWG26)

Safety Certifications: UL, cUL, TUV, CE

This high-performance cooling solution is specifically engineered for compact industrial enclosures, particularly variable frequency drive (VFD) inverters and server chassis where space is limited. The MGT4012XB-R28 excels in environments where high static pressure is required to force air through dense component arrays and heat sinks. Additionally, the MGT4012XB-R28 is frequently utilized in telecommunications equipment, network switches, and precision medical instrumentation where reliable thermal regulation is critical for system uptime and performance stability.

## Supplemental Images

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