

# MGT8012XB-W56 Protechnic 12VDC 80x80x56mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [864208574884](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$27.99**

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Product Page:

<https://www.equipspares.com/product/mgt8012xb-w56-protechnic-12vdc-80x80x56mm-axial-fan>

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## Product Description

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Protechnic MGT8012XB-W56 is a 12VDC 80x80x56mm Axial Fan optimized for high-density server environments and thermal management challenges requiring extreme static pressure. This unit features a high-performance DC brushless motor and a dual ball bearing architecture designed to minimize thermal impedance and maintain structural rigidity under high rotational stress. The aerodynamic blade profile is engineered to overcome significant system impedance in restricted airflow paths. Operating at a rated current of 3.10A, this fan delivers exceptional volumetric flow rates and pressure head, making it a critical component for mission-critical hardware. The integration of PWM speed control allows for precise thermal regulation, ensuring the fan operates at the optimal RPM to balance cooling efficiency and power consumption.

Model Number: MGT8012XB-W56

Brand: Protechnic

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 3.10 A

Power: 37.2 W

Rated Speed: 12500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 128.5 CFM (218.3 m<sup>3</sup>/h / 3.64 m<sup>3</sup>/min)

Max. Static Pressure: 68.4 mmH<sub>2</sub>O (670.8 Pa / 2.69 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 56 mm

Weight: 285 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring Output: Tachometer (Frequency Generator)

Noise Level: 72.5 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 4-Wire Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CUL, TUV, CE

#### MGT8012XB-W56 Applications

1. 1U/2U Enterprise Servers: The 56mm depth and high RPM are specifically engineered to overcome the extreme system impedance found in densely packed rackmount chassis, serving as a high-performance replacement fan for critical compute nodes.
2. High-End GPU Render Farms: Provides the necessary static pressure to force air through tightly spaced cooling fins, preventing thermal throttling in multi-GPU configurations.
3. Telecommunications Base Stations: Ideal for ruggedized outdoor enclosures where high-velocity airflow is required to dissipate heat from power amplifiers and signal processing hardware.

## Supplemental Images

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