

# MGT8012HB-W15 Protechnic 12VDC 80mm 4-Wire Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [1014107151503](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mgt8012hb-w15-protechnic-12vdc-80mm-4-wire-axial-fan>

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## Product Description

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The Protechnic MGT8012HB-W15 is a precision-engineered Axial Fan designed for high-density thermal management in industrial and computing environments. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow with optimized static pressure to overcome system impedance. The aerodynamic blade geometry is calibrated to minimize turbulence while maintaining structural rigidity under high-speed operation. Featuring a robust 4-wire interface, it supports precise Pulse Width Modulation (PWM) speed control, allowing for dynamic thermal regulation. This component is constructed to meet rigorous operational standards, ensuring low thermal impedance and extended service life in demanding server and chassis applications.

Model Number: MGT8012HB-W15

Brand: Protechnic (Magic)

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.18 A

Power Consumption: 2.16 W

Rated Speed: 3500 RPM ( $\pm 10\%$ )

Bearing Type: Precision Ball Bearing

Max. Air Flow: 38.5 CFM (65.4 m<sup>3</sup>/h / 1.09 m<sup>3</sup>/min)

Max. Static Pressure: 3.2 mmH<sub>2</sub>O (31.4 Pa / 0.13 inH<sub>2</sub>O)

Dimensions: 80x80x15mm

Weight: 65 g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: 4-Wire PWM / Tachometer Output

Ingress Protection: IP40

Noise Level: 34.0 dB(A)

Housing Material: PBT Thermoplastic (UL94V-0)

Blade Material: PBT Thermoplastic (UL94V-0)

Termination: 4-Wire Lead with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Certifications: CE, UL, TUV, RoHS

Motor Protection: Locked Rotor Protection, Polarity Protection

Designed for critical heat dissipation, the MGT8012HB-W15 is frequently integrated into compact server racks and high-performance graphics card cooling assemblies where space is limited but airflow cannot be compromised. The MGT8012HB-W15 excels in maintaining optimal operating temperatures for sensitive electronic components, making it an ideal solution for telecommunications equipment, industrial chassis ventilation, and precision medical instrumentation requiring reliable thermal envelopes.

## Supplemental Images

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