

MGT8012HR-W15 Protechnic 12VDC 0.18A 80x80x15mm Axial Fan Datasheet



Brand: Protechnic

SKU: [1047329256645](#)

Category: Axial & Centrifugal Fans

Price: **\$21.29**

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Product Page:

<https://www.equipspares.com/product/mgt8012hr-w15-protechnic-12vdc-0-18a-80x80x15mm-axial-fan>

Product Description

The Protechnic MGT8012HR-W15 is a low-profile axial cooling fan measuring 80 x 80 x 15 mm, engineered for high-density thermal management. Operating at a nominal 12 VDC with a rated current of 0.18 A, this unit utilizes a specialized Rifle Bearing system to achieve a rotational speed of 3000 RPM. The internal motor architecture supports Pulse Width Modulation (PWM) for precise speed regulation, delivering a maximum airflow of 32.27 CFM. Constructed with a UL 94V-0 rated plastic housing and impeller, the fan features a 4-wire interface for power and tachometer feedback, ensuring compatibility with advanced thermal controllers.

Protechnic MGT8012HR-W15 Specifications

Model Number: MGT8012HR-W15

Brand: Protechnic Electric

Category: DC Axial Fan

Dimensions: 80 x 80 x 15 mm

Nominal Voltage: 12 VDC

Rated Current: 0.18 A

Input Power: 2.16 W

Rotational Speed: 3000 RPM

Airflow: 32.27 CFM

Static Pressure: 3.41 mmH₂O

Noise Level: 32.6 dB-A

Bearing Type: Rifle Bearing

Interface: 4-wire (PWM)

Weight: 55 g

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10 to 70 °C

Storage Temperature: -40 to 70 °C

Expected Life: 40,000 hours at 60 °C

Safety Certifications: UL, TUV, CE

Protechnic MGT8012HR-W15 Applications

Primary applications include integration into 1U server chassis, low-profile CPU heatsinks, and small form factor (SFF) PC enclosures. Deployed within telecommunications power supplies, network switch cooling modules, and compact industrial automation control panels where vertical clearance is restricted.

Supplemental Images

