

# MGA3012MR-O15 Protechnic 12VDC 30x30x15mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [839579109137](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$7.99**

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Product Page:

<https://www.equipspares.com/product/mga3012mr-o15-protechnic-12vdc-30x30x15mm-axial-fan>

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## Product Description

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The Protechnic MGA3012MR-O15 is a DC Axial Fan engineered for compact thermal management solutions requiring high structural rigidity and reliable airflow performance. Utilizing advanced DC brushless motor technology paired with a precision-engineered hydraulic bearing system, this unit minimizes frictional coefficients while maintaining optimal thermal impedance. The aerodynamic blade geometry is designed to deliver consistent static pressure in restricted environments, ensuring efficient heat dissipation for sensitive electronic components. The unit features a robust PBT housing and is optimized for low-vibration operation in industrial and consumer electronics.

Model Number: MGA3012MR-O15 HF

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.07 A

Input Power: 0.84 W

Rated Speed: 8500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 3.50 CFM (5.94 m<sup>3</sup>/h / 0.09 m<sup>3</sup>/min)

Max. Static Pressure: 3.81 mmH<sub>2</sub>O (37.36 Pa / 0.15 inH<sub>2</sub>O)

Dimensions: 30 x 30 x 15 mm

Weight: 12 g

Life Expectancy: 40,000 Hours at 40°C

Noise Level: 26.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Lead (Red/Black)

Wire Length: 150 mm

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Insulation Class: Class A

Safety Certifications: UL, cUL, TUV, CE

This compact cooling solution is frequently integrated into high-density electronic assemblies where space is at a premium. The MGA3012MR-O15 is ideal for maintaining operating temperatures in network switches, miniature projectors, and handheld medical instrumentation. Additionally, the MGA3012MR-O15 serves as a critical component in DVR systems and chipset cooling applications, ensuring longevity by preventing thermal throttling in enclosed chassis environments.

## Supplemental Images

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