

# MGA6012YB-O10 MGA 12VDC 60x60x10mm Dual Ball Axial Fan Datasheet



SKU: [903261722304](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/mga6012yb-o10-mga-12vdc-60x60x10mm-dual-ball-axial-fan>

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## Product Description

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The MGA MGA6012YB-O10 is a precision-engineered Axial Fan designed for high-density thermal management applications requiring a low-profile form factor. Utilizing advanced DC motor technology paired with a robust Dual Ball Bearing architecture, this unit ensures exceptional structural rigidity and prolonged operational lifespan under continuous load. The aerodynamic impeller design minimizes turbulence while maximizing static pressure capabilities, effectively reducing thermal impedance in compact electronic enclosures. Engineered for reliability, the MGA6012YB-O10 maintains stable performance parameters, making it an ideal solution for critical industrial cooling requirements where space constraints and thermal efficiency are paramount.

Model Number: MGA6012YB-O10

Brand: MGA (Magic)

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.30 A

Power Consumption: 3.60 W

Rated Speed: 4800 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 22.5 CFM (38.2 m<sup>3</sup>/h / 0.63 m<sup>3</sup>/min)

Max. Static Pressure: 3.8 mmH<sub>2</sub>O (37.2 Pa / 0.15 inH<sub>2</sub>O)

Dimensions: 60x60x10mm

Weight: 26 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 34.0 dB(A)

Frame Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: Lead Wires

Ingress Protection: IP40

Insulation Resistance: >10M Ohm at 500VDC

Dielectric Strength: 500VAC for 1 Minute

Safety Certifications: CE, UL, TUV

This compact thermal solution is specifically engineered for integration into space-constrained electronic assemblies. The MGA6012YB-O10 is frequently deployed in 1U server rack cooling modules, network switches, and industrial power supply units where vertical clearance is limited. Additionally, the MGA6012YB-O10 serves as a critical component in medical instrumentation and compact projector systems, ensuring optimal operating temperatures for sensitive semiconductors and preventing thermal throttling in continuous-duty environments.

## Supplemental Images

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