

MGA6012XR-O10 MAGIC 12VDC 60x60x10mm Hydraulic Axial Fan Datasheet



Brand: Protechnic

SKU: 793054370483

Category: Axial & Centrifugal Fans

Price: \$9.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mga6012xr-o10-magic-12vdc-60x60x10mm-hydraulic-axial-fan>

Product Description

The MAGIC MGA6012XR-O10 is a precision-engineered DC Axial Fan designed for applications requiring efficient thermal management within compact spatial constraints. Utilizing advanced DC motor technology paired with a durable hydraulic bearing system, this unit ensures optimal rotational stability and reduced friction coefficients. The aerodynamic blade geometry is calibrated to minimize turbulence while maximizing static pressure, effectively lowering thermal impedance in high-density electronic assemblies. Its robust housing offers superior structural rigidity, making it suitable for continuous operation in demanding industrial environments where reliability and acoustic performance are paramount.

Model Number: MGA6012XR-O10

Brand: MAGIC (Magic Precision Inc.)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.23 A

Power Consumption: 2.76 W

Rated Speed: 4300 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 18.5 CFM (31.4 m³/h / 0.52 m³/min)

Max. Static Pressure: 3.05 mmH₂O (29.9 Pa / 0.12 inH₂O)

Dimensions: 60 x 60 x 10 mm

Weight: 26 g

Life Expectancy: 40,000 Hours @ 40°C

Noise Level: 29.0 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 2-Wire Lead (Red +, Black -)

Mounting Orientation: Any

Ingress Protection: IP40

The MGA6012XR-O10 is specifically engineered for compact electronic assemblies where vertical clearance is restricted due to its ultra-thin 10mm profile. Common deployment scenarios include low-profile server racks, network switches, and compact power supply units requiring active cooling without increasing the device footprint. The MGA6012XR-O10 is also frequently utilized in DVR systems, small form-factor industrial PCs, and telecommunications equipment, ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images

