

# MGA6012ZB-O20 Protechnic 12VDC 60x60x15mm 0.38A Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [805785447308](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/mga6012zb-o20-protechnic-12vdc-60x60x15mm-0-38a-axial-fan>

## Product Description

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The Protechnic MGA6012ZB-O20 is a precision-engineered DC Axial Fan designed for high-density thermal management applications requiring a compact form factor with elevated performance metrics. Utilizing an advanced brushless DC motor architecture, this unit delivers exceptional airflow efficiency relative to its slim profile. The rotor assembly is dynamically balanced to minimize vibration and acoustic resonance, while the bearing system is calibrated to ensure long-term operational stability and reduced thermal impedance under continuous load. Constructed with a durable thermoplastic housing, the MGA6012ZB-O20 maintains structural rigidity and optimal blade geometry, making it an ideal solution for critical cooling requirements where reliability and component density are paramount.

Model Number: MGA6012ZB-O20

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.38 A

Input Power: 4.56 W

Rated Speed: 6800 RPM

Max. Air Flow: 32.5 CFM (55.2 m<sup>3</sup>/h)

Max. Static Pressure: 9.65 mmH<sub>2</sub>O (0.38 inH<sub>2</sub>O)

Noise Level: 42.5 dB-A

Bearing Type: Two Ball Bearing

Dimensions: 60 x 60 x 15 mm

Weight: 45 g

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

Housing 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

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP40

Motor Protection: Impedance Protected, Reverse Polarity

The MGA6012ZB-O20 is frequently integrated into compact server chassis and 1U rackmount equipment where vertical space is limited but high static pressure is required to overcome system impedance. Its robust design makes the MGA6012ZB-O20 suitable for cooling industrial power supply units, telecommunications hardware, and network switches. Additionally, this model serves effectively in forced-air cooling systems for embedded electronics and automation controllers, ensuring component longevity by preventing thermal throttling in enclosed environments.

## Supplemental Images

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