

# MGA4012ZB-R20 Protechnic 12VDC 0.22A 40x40x20mm Axial Fan Datasheet



**Brand:** Protechnic

**SKU:** [814544483970](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$15.99**

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Product Page:

<https://www.equipspares.com/product/mga4012zb-r20-protechnic-12vdc-0-22a-40x40x20mm-axial-fan>

## Product Description

The Protechnic MGA4012ZB-R20 is a compact high-efficiency axial fan designed for critical thermal management in restricted spaces. Engineered with Protechnic's advanced motor technology, this unit optimizes airflow dynamics to reduce thermal impedance within high-load power supply units. The 40mm frame features reinforced structural rigidity using PBT thermoplastics, ensuring stability under high rotational speeds. Its aerodynamic blade curvature maximizes static pressure delivery, making it an ideal solution for overcoming resistance in dense electronic enclosures while maintaining operational longevity through robust bearing architecture.

Model Number: MGA4012ZB-R20

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.22 A

Input Power: 2.64 W

Rated Speed: 7500 RPM

Max. Air Flow: 10.8 CFM (18.35 m<sup>3</sup>/h)

Max. Static Pressure: 7.2 mmH<sub>2</sub>O (70.6 Pa / 0.28 inH<sub>2</sub>O)

Bearing Type: Ball Bearing

Dimensions: 40 x 40 x 20 mm

Termination: 3-Wire (Lead Wire)

Signal Output: Tachometer (FG)

Connector: Standard 3-Pin

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 32.0 dB(A)

Net Weight: 28 g

Application Reference: EPS6020 / EPA20 Power Supply

The MGA4012ZB-R20 is specifically engineered for integration into compact power supply units, such as the EPS6020 and EPA20 series, where consistent airflow is paramount for component stability. In server rack environments and industrial control systems, the MGA4012ZB-R20 effectively dissipates heat generated by transformers and switching components. Its compact 40mm footprint allows for seamless installation in 1U chassis and network appliances, ensuring that critical hardware operates within safe thermal limits during continuous duty cycles.

## Supplemental Images

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