

MGA7012ZB-O20 Protechnic 12VDC 70x70x25mm Axial Fan Datasheet



Brand: Protechnic

SKU: [833304222425](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/mga7012zb-o20-protechnic-12vdc-70x70x25mm-axial-fan>

Product Description

The Protechnic MGA7012ZB-O20 is a high-performance DC Axial Fan engineered for critical thermal management in compact industrial environments. Featuring a robust double ball bearing architecture, this unit is designed to withstand continuous operation while minimizing frictional wear and thermal impedance. The 70mm frame houses a precision-balanced impeller optimized for high static pressure generation, ensuring effective airflow through dense component arrays. With a 12VDC motor configuration, the fan delivers substantial cooling power while maintaining structural rigidity and operational stability. This model is built to meet rigorous industrial standards, offering a reliable solution for systems requiring consistent heat dissipation and extended service life.

Model Number: MGA7012ZB-O20

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.63 A

Power Input: 7.56 W

Rated Speed: 5600 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 49.5 CFM (84.1 m³/h / 1.40 m³/min)

Max. Static Pressure: 9.2 mmH₂O (90.2 Pa / 0.36 inH₂O)

Dimensions: 70x70x25mm

Weight: 88 g

Noise Level: 45.0 dBA

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Termination: 2-Wire Lead

Wire Gauge: 24 AWG

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

The MGA7012ZB-O20 is extensively utilized in high-density computing environments, such as 2U server racks and network storage arrays, where efficient forced convection is mandatory. Its compact form factor and high power density make the MGA7012ZB-O20 an ideal choice for cooling industrial power supplies, telecommunications equipment, and medical diagnostic devices. Additionally, this model serves as a critical component in CNC machinery control cabinets, preventing thermal throttling in sensitive electronic drive systems.