

MGT4024XB-R10 Protechnic 24VDC 40x40x10mm 3-Wire Axial Fan Datasheet



Brand: Protechnic

SKU: [978702815682](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

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Product Page:

<https://www.equipspares.com/product/mgt4024xb-r10-protechnic-24vdc-40x40x10mm-3-wire-axial-fan>

Product Description

The Protechnic MGT4024XB-R10 is a precision-engineered DC axial fan designed for high-reliability thermal management applications. Utilizing advanced brushless DC motor technology combined with a durable two ball bearing system, this unit ensures minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow while maintaining a compact 40mm form factor, effectively reducing thermal impedance in densely packed electronic enclosures. Its structural rigidity and precise balancing minimize vibration, making it an ideal solution for critical industrial and telecommunications equipment requiring consistent cooling performance.

Model Number: MGT4024XB-R10

Brand: Protechnic Electric

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.09 A

Input Power: 2.16 W

Rated Speed: 7500 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 8.5 CFM (14.44 m³/h / 0.24 m³/min)

Max. Static Pressure: 5.84 mmH₂O (57.2 Pa / 0.23 inH₂O)

Dimensions: 40 x 40 x 10 mm

Weight: 20 g

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Lead (Red +, Black -, Yellow Tach/Signal)

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

Noise Level: 32.0 dB(A)

Ingress Protection: IP40

Safety Approvals: UL, cUL, TUV, CE

The MGT4024XB-R10 is specifically engineered for compact electronic assemblies where space is at a premium but thermal dissipation cannot be compromised. Common deployment scenarios include 1U server rack cooling, network switches, and industrial automation control panels. The MGT4024XB-R10 is also frequently utilized in medical instrumentation and telecommunications power supplies, ensuring critical components remain within safe operating temperature ranges during continuous duty cycles.

Supplemental Images

