

05020GA-24M-AU NMB 24VDC 50x50x20mm Centrifugal Blower Datasheet



Brand: NMB

SKU: [989217344156](#)

Category: Axial & Centrifugal Fans

Price: **\$11.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/05020ga-24m-au-nmb-24vdc-50x50x20mm-centrifugal-blower>

Product Description

The NMB 05020GA-24M-AU is a compact DC centrifugal blower engineered for high-impedance airflow applications requiring concentrated cooling. This unit utilizes NMB's proprietary precision ball bearing technology, ensuring exceptional longevity and reduced frictional noise during continuous operation. The blower features a specialized impeller geometry optimized for static pressure generation, making it highly effective for spot cooling in restricted enclosures. Constructed with a durable UL94V-0 reinforced plastic housing, the device maintains structural rigidity under significant thermal stress. The brushless DC motor integrates auto-restart protection, ensuring operational safety during locked rotor conditions. Its aerodynamic profile minimizes turbulence, delivering efficient thermal management in sensitive industrial electronics.

Model Number: 05020GA-24M-AU

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Centrifugal Blower

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.11 A

Input Power: 2.64 W

Rated Speed: 4600 RPM

Max. Air Flow: 4.2 CFM (0.12 m³/min)

Max. Static Pressure: 0.35 inH₂O (87 Pa)
Bearing Type: Dual Ball Bearing
Dimensions: 50mm x 50mm x 20mm
Noise Level: 31.0 dB(A)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 60,000 Hours (at 25°C)
Motor Protection: Auto Restart / Polarity Protection
Insulation Resistance: 10M Ω or over with a DC500V Megger
Dielectric Strength: AC 700V 1s
Weight: 30g

The 05020GA-24M-AU is specifically designed for precision cooling in densely packed electronic assemblies where directed airflow is critical. Common deployment environments include telecommunications switching gear, compact server modules, and industrial automation control panels. The high static pressure capability of the 05020GA-24M-AU allows it to effectively push air through heatsink fins and restricted ducts found in medical instrumentation and optical projectors. Additionally, this blower is frequently utilized in network routers and power supply units requiring reliable thermal dissipation.

Supplemental Images

