

# BG1203-B054-000-00 NMB-MAT 24VDC 120x120x32mm Blower Datasheet



**Brand:** NMB

**SKU:** 801827207843

**Category:** Axial & Centrifugal Fans

**Price:** \$19.99

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Product Page:

<https://www.equipspares.com/product/bg1203-b054-000-00-nmb-mat-24vdc-120x120x32mm-blower>

## Product Description

The NMB-MAT BG1203-B054-000-00 is a DC Blower engineered for high-precision thermal management in demanding industrial environments. Utilizing advanced brushless DC motor technology, this unit integrates a dual ball bearing architecture to ensure long-term reliability and reduced thermal impedance. The aerodynamic impeller design is optimized for high static pressure delivery, housed within a UL94V-0 rated plastic casing for enhanced structural rigidity. This blower is designed to maintain consistent airflow under significant backpressure, making it ideal for dense electronic enclosures where cooling efficiency is critical. Its robust construction and integrated protection features ensure stable operation across a wide voltage range and varying ambient temperatures.

Model Number: BG1203-B054-000-00

Brand: NMB-MAT

Product Type: Blower

Rated Voltage: 24VDC

Voltage Range: 12.0 - 27.6 VDC

Rated Current: 0.40A

Power: 9.6W

Rated Speed: 2250 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 28.2 CFM (47.9 m<sup>3</sup>/h / 0.80 m<sup>3</sup>/min)  
Max. Static Pressure: 17.84 mmH<sub>2</sub>O (175 Pa / 0.70 inH<sub>2</sub>O)  
Dimensions: 120x120x32mm  
Weight: 270g  
Life Expectancy: 100,000 Hours  
Noise Level: 48.5 dBA  
Casing Material: Plastic (Black) UL94V-0  
Impeller Material: Plastic (Black) UL94V-0  
Lead Wire: UL1007, AWG24, +Red, -Black  
Motor Protection: Auto Restart/Polarity Protection  
Insulation Resistance: 10M  $\Omega$  or over (DC500V Megger)  
Dielectric Withstand Voltage: AC 700V 1s  
Operating Temperature: -10°C to +60°C  
Storage Temperature: -40°C to +70°C  
Mounting Orientation: All

The BG1203-B054-000-00 is specifically designed for integration into high-density server racks and telecommunications infrastructure where directional airflow is paramount. Its ability to overcome high impedance makes the BG1203-B054-000-00 an excellent choice for CNC machinery control cabinets and medical diagnostic equipment. Additionally, it is frequently utilized in industrial frequency converters and power supply units to prevent localized hotspots.

## Supplemental Images

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