

BG0703-B044-00S-T1 NMB-MAT 12VDC 75mm 3-Wire Blower Datasheet



Brand: NMB

SKU: [662744939344](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/bg0703-b044-00s-t1-nmb-mat-12vdc-75mm-3-wire-blower>

Product Description

The NMB-MAT BG0703-B044-00S-T1 is a precision-engineered Centrifugal Blower designed for high-static pressure applications requiring concentrated airflow. Utilizing advanced DC brushless motor technology and NMB's proprietary precision ball bearing architecture, this unit ensures minimal friction and extended operational longevity. The aerodynamic scroll housing is constructed to optimize air compression while maintaining structural rigidity under thermal stress. This blower effectively manages thermal impedance in compact electronic enclosures, delivering consistent performance in demanding industrial and consumer projection environments.

Model Number: BG0703-B044-00S-T1

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: Centrifugal Blower / DC Brushless Fan

Rated Voltage: 12VDC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.38 A

Input Power: 4.56 W

Rated Speed: 3800 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 12.5 CFM (21.2 m³/h / 0.35 m³/min)

Max. Static Pressure: 14.5 mmH₂O (142 Pa / 0.57 inH₂O)

Dimensions: 75mm x 73mm x 30mm

Weight: 90 g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: Tachometer Output (3-Wire)

Noise Level: 42.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Lead with Connector

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP40

Certifications: UL, CSA, TUV, CE

Designed for thermal management in restricted spaces, the BG0703-B044-00S-T1 is widely utilized in high-lumen projectors and optical equipment where heat dissipation is critical for component longevity. The blower's high static pressure capabilities make it ideal for forcing air through dense heatsinks in server racks and telecommunication modules. Additionally, the BG0703-B044-00S-T1 serves effectively in industrial automation control panels and 3D printer cooling systems, ensuring reliable operation by preventing thermal throttling in sensitive electronics.

Supplemental Images

