

05125GS-12N-BA-5 NMB 12VDC 51x51x25mm Centrifugal Blower Datasheet



Brand: NMB

SKU: 989762517561

Category: Axial & Centrifugal Fans

Price: \$10.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/05125gs-12n-ba-5-nmb-12vdc-51x51x25mm-centrifugal-blower>

Product Description

The NMB 05125GS-12N-BA-5 is a precision-engineered centrifugal blower designed for high-impedance thermal management applications. Leveraging MinebeaMitsumi's proprietary dual ball bearing technology, this unit ensures exceptional rotational stability and extended operational longevity under continuous load. The aerodynamic volute design optimizes static pressure delivery, making it ideal for overcoming significant system resistance in compact enclosures. Constructed with high-grade thermoplastic, the housing maintains structural rigidity while minimizing acoustic resonance, providing a reliable cooling solution for sensitive industrial electronics.

Model Number: 05125GS-12N-BA-5

Brand: NMB (MinebeaMitsumi)

Product Type: Centrifugal Blower

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.31 A

Input Power: 3.72 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 5.3 CFM (9.0 m³/h / 0.15 m³/min)

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

Dimensions: 51 x 51 x 25 mm

Weight: 35 g

Life Expectancy: 50,000 Hours @ 40°C

Noise Level: 36 dB(A)

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

Termination: Lead Wires

Ingress Protection: IP40

Safety Certifications: UL, CSA, TUV, CE

This centrifugal blower is specifically engineered for applications requiring directed airflow against high back pressure. The 05125GS-12N-BA-5 is frequently utilized in multimedia projectors, compact server rack cooling modules, and industrial automation equipment where space is constrained. Additionally, the 05125GS-12N-BA-5 serves as a critical component in medical instrumentation and telecommunications hardware, ensuring thermal stability for power-dense components.

Supplemental Images

