

9BMB12P2K01 Sanyo Denki 12VDC 3.4A 97x33mm Blower Datasheet



Brand: Sanyo Denki

SKU: [778722814184](#)

Category: Axial & Centrifugal Fans

Price: **\$34.99**

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Product Page:

<https://www.equipspares.com/product/9bmb12p2k01-sanyo-denki-12vdc-3-4a-97x33mm-blower>

Product Description

The Sanyo Denki 9BMB12P2K01 is a precision-engineered centrifugal blower from the renowned San Ace B97 series, designed for applications requiring concentrated airflow and exceptional static pressure. This 12VDC unit features an advanced motor architecture that optimizes torque while minimizing thermal impedance, ensuring sustained operation under heavy electrical loads. Constructed with a robust frame for structural rigidity, the blower utilizes dual ball bearings to enhance longevity and reduce rotational friction significantly. Its aerodynamic impeller design maximizes air throughput, making it an ideal solution for overcoming high system resistance in densely packed electronic enclosures where standard axial fans fail to penetrate.

Model Number: 9BMB12P2K01

Brand: Sanyo Denki

Product Series: San Ace B97 (9BMB Type)

Product Type: Centrifugal Blower / DC Fan

Rated Voltage: 12VDC

Operating Voltage Range: 10.8 - 13.2 VDC

Rated Current: 3.4 A

Rated Input Power: 40.8 W

Rated Speed: 6800 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 66.0 CFM (1.87 m³/min)
Max. Static Pressure: 2.95 inH₂O (735 Pa)
Dimensions: 97mm x 97mm x 33mm
Weight: 190 g
Life Expectancy: 40,000 Hours at 60°C (L10)
Speed Control: PWM (Pulse Width Modulation)
Sensor: Tachometer Output (Pulse Sensor)
Noise Level: 63 dB(A)
Frame Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Ingress Protection: IP40 (Standard)
Insulation Resistance: 10MΩ or more at 500VDC
Dielectric Strength: 50/60Hz, 500VAC, 1 minute
Operating Temperature: -20°C to +70°C
Storage Temperature: -30°C to +70°C
Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown PWM)
Motor Protection: Locked Rotor Protection; Reverse Polarity Protection

The 9BMB12P2K01 is specifically engineered for high-impedance environments where directing airflow through restricted pathways is critical. Common deployments include 1U and 2U server rack cooling modules, telecommunications base stations, and industrial automation equipment requiring spot cooling. The high static pressure capabilities of the 9BMB12P2K01 allow it to effectively push air through dense heatsinks and filter assemblies, ensuring optimal thermal management in mission-critical hardware such as medical instrumentation, projectors, and high-density power supply units.

Supplemental Images

