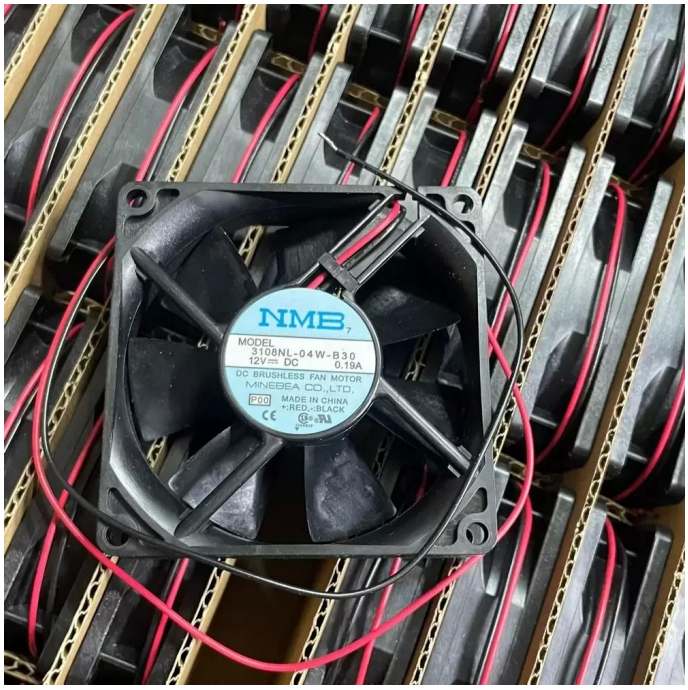
3108NL-04W-B30-P00 NMB 12VDC 80x80x20mm 2-Wire Axial Fan Datasheet



Brand: NMB

SKU: 971593199736

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/3108nl-04w-b30-p00-nmb-12vdc-80x80x20mm-2-wire-axial-fan

Product Description

The NMB 3108NL-04W-B30-P00 is a DC Axial Fan engineered by MinebeaMitsumi for critical thermal management applications. This unit utilizes a high-efficiency DC brushless motor architecture paired with a precision-machined Dual Ball Bearing system, ensuring reduced friction coefficients and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure capabilities while maintaining low acoustic resonance. Constructed with a robust plastic housing, the fan offers superior structural rigidity and thermal stability, making it an ideal solution for industrial environments requiring reliable heat dissipation and consistent airflow performance.

Model Number: 3108NL-04W-B30-P00
Brand: NMB (MinebeaMitsumi)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 6.0 - 13.8 VDC
Rated Current: 0.19 A
Power: 2.28 W
Rated Speed: 3250 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 38.8 CFM (1.10 m^3/min)

Max. Static Pressure: 2.9 mmH_2O (28.4 Pa / 0.11 inH_2O)
Dimensions: 80 x 80 x 20 mm
Weight: 85 g
Life Expectancy: 100,000 Hours @ 25°C
Noise Level: 34.0 dB(A)
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection
Insulation Resistance: 10M Ohm min. @ 500VDC
Dielectric Strength: 500 VAC for 1 min

The 3108NL-04W-B30-P00 is specifically designed for integration into high-density electronic enclosures where space is constrained but airflow cannot be compromised. Common deployment scenarios include server rack cooling modules, telecommunications switching equipment, and industrial power supply units. Additionally, the 3108NL-04W-B30-P00 serves effectively in medical instrumentation and CNC control cabinets, providing the necessary thermal regulation to prevent component overheating and ensure system stability during prolonged operation cycles.

Supplemental Images