

1608VL-05W-B40-B04 NMB 24VDC 40x40x20mm Industrial Axial Fan Datasheet



Brand: NMB

SKU: 988393319402

Category: Axial & Centrifugal Fans

Price: \$19.99

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Product Page:

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Product Description

The NMB 1608VL-05W-B40-B04 is a precision-engineered DC axial fan designed by MinebeaMitsumi for critical thermal management in compact industrial environments. Utilizing an advanced double ball bearing architecture, this unit ensures minimal frictional resistance and extended operational longevity, significantly outperforming sleeve bearing alternatives in continuous-duty cycles. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity within the 40mm form factor, reducing turbulence-induced noise. Engineered with a durable PBT housing, it offers superior thermal impedance characteristics and vibration stability. This model is specifically calibrated for high-reliability applications, providing consistent cooling performance for sensitive electronics requiring stable operating temperatures.

Model Number: 1608VL-05W-B40-B04

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.07 A

Power: 1.68 W

Rated Speed: 7500 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 9.2 CFM (15.6 m³/h / 0.26 m³/min)
Max. Static Pressure: 5.5 mmH₂O (54.0 Pa / 0.21 inH₂O)
Dimensions: 40 x 40 x 20 mm
Weight: 40 g
Life Expectancy: 60,000 Hours @ 25°C
Noise Level: 29.0 dBA
Housing Material: Plastic (PBT UL94V-0)
Impeller Material: Plastic (PBT UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Ingress Protection: IP40
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Insulation Resistance: 10M Ω min. @ 500VDC
Dielectric Strength: 500VAC for 1 min
Protection: Auto Restart, Polarity Protection
Mounting Orientation: Any

The 1608VL-05W-B40-B04 is engineered for high-reliability industrial applications, specifically excelling in the cooling of industrial inverters and variable frequency drives (VFDs) where consistent airflow is paramount. Its compact footprint allows for seamless integration into dense server racks, telecommunications equipment, and precision CNC control modules. By maintaining optimal operating temperatures, the 1608VL-05W-B40-B04 prevents thermal throttling in sensitive electronic components, ensuring system stability in automation and medical device environments.

Supplemental Images

