

12038VE-24R-BL-01 NMB 24VDC 120x120x38mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: 911706946873

Category: Axial & Centrifugal Fans

Price: \$40.99

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Product Page:

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Product Description

The NMB 12038VE-24R-BL-01 is a high-capacity Axial Fan designed to deliver superior thermal management in dense industrial environments. Engineered with MinebeaMitsumi's proprietary precision Double Ball Bearing technology, this unit offers exceptional durability and reduced mechanical friction, ensuring a prolonged service life even under continuous high-speed operation. The 24VDC motor is calibrated to generate significant torque, driving the aerodynamic impeller to overcome high system impedance with optimized static pressure. Featuring a robust housing designed for structural rigidity, the fan effectively mitigates vibrational resonance while maximizing airflow efficiency. This thermal solution is critical for maintaining optimal operating temperatures in power electronics and heavy-duty machinery.

Model Number: 12038VE-24R-BL-01

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24V DC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.48 A

Power Consumption: 35.52 W

Rated Speed: 5600 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 210.0 CFM (356.8 m³/h / 5.94 m³/min)

Max. Static Pressure: 23.45 mmH₂O (230.0 Pa / 0.92 inH₂O)

Dimensions: 120mm x 120mm x 38mm

Weight: 290 g

Life Expectancy: 70,000 Hours @ 40°C

Termination: 3-Wire Leads

Wire Configuration: Red (+), Black (-), White/Yellow (Sensor)

Speed Control: Tachometer Output

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

Ingress Protection: IP20

Noise Level: 62.0 dBA

Mounting Orientation: Any

The 12038VE-24R-BL-01 is specifically engineered for applications requiring aggressive heat dissipation, such as variable frequency drives (VFDs) and industrial power inverters. By delivering high-velocity airflow, the 12038VE-24R-BL-01 effectively forces air through dense heat sinks and restricted enclosures found in telecommunications infrastructure and server racks, preventing thermal throttling and component failure.

Supplemental Images

