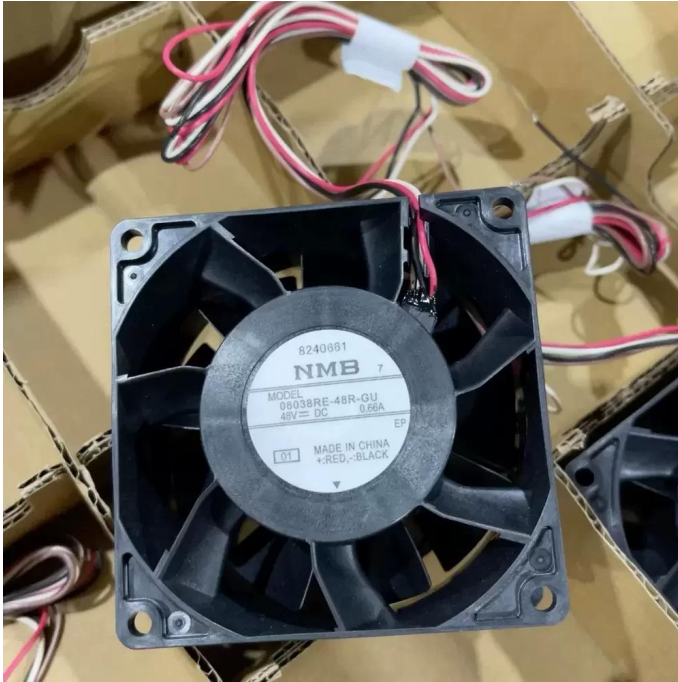


# 08038RE-48R-GU-01 NMB 48VDC 80x80x38mm PWM Axial Fan Datasheet



**Brand:** NMB

**SKU:** [998453250631](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$25.99**

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Product Page:

<https://www.equipspares.com/product/08038re-48r-gu-01-nmb-48vdc-80x80x38mm-pwm-axial-fan>

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## Product Description

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The NMB 08038RE-48R-GU-01 is a DC Axial Fan engineered for high-density industrial applications requiring superior thermal management and structural rigidity. Utilizing NMB-MAT's precision dual ball bearing architecture, this unit minimizes frictional coefficients to ensure extended operational longevity and reliability under continuous load. The 48VDC motor features integrated Pulse Width Modulation (PWM) control, enabling dynamic speed regulation to optimize the ratio between thermal impedance reduction and acoustic output. Its aerodynamic impeller design is housed within a robust frame, specifically calibrated to deliver high static pressure, making it an ideal solution for overcoming resistance in tightly packed electronic enclosures.

Model Number: 08038RE-48R-GU-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 55.2 VDC

Rated Current: 0.66 A

Power: 31.68 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.5 CFM (150.4 m<sup>3</sup>/h / 2.51 m<sup>3</sup>/min)

Max. Static Pressure: 21.5 mmH<sub>2</sub>O (210.8 Pa / 0.85 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 38 mm

Weight: 210 g

Life Expectancy: 100,000 Hours (L10)

Speed Control: PWM (Pulse Width Modulation)

Ingress Protection: IP68 (Waterproof)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 4-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

The 08038RE-48R-GU-01 is specifically designed for critical cooling tasks in enterprise-grade hardware, including server racks, blade chassis, and telecommunication base stations. Its high static pressure capabilities allow the 08038RE-48R-GU-01 to effectively force air through dense heatsinks found in variable frequency drives (VFDs) and industrial inverters. Furthermore, the waterproof construction makes it suitable for harsh environment CNC machinery and outdoor cabinet cooling where moisture resistance is paramount.

## Supplemental Images

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