

# 08038RA-44R-GU-CY NMB 48VDC 0.56A 80x80x38mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** 998436306340

**Category:** Axial & Centrifugal Fans

**Price:** \$23.99

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/08038ra-44r-gu-cy-nmb-48vdc-0-56a-80x80x38mm-axial-fan>

---

## Product Description

---

The NMB 08038RA-44R-GU-CY is a high-performance DC axial fan engineered for demanding industrial thermal management. Utilizing advanced brushless DC motor technology, this unit operates at a nominal 48VDC, delivering exceptional structural rigidity through its reinforced PBT plastic housing. The aerodynamic impeller design is optimized to minimize thermal impedance while maximizing static pressure, ensuring efficient heat dissipation in high-density environments. Equipped with a sophisticated bearing architecture, the 08038RA-44R-GU-CY offers long-term reliability and stable rotational speeds. Its four-wire configuration supports precise speed control and monitoring, making it an ideal solution for mission-critical cooling applications requiring granular thermal regulation.

Model Number: 08038RA-44R-GU-CY

Brand: NMB

Product Type: Axial Fan

Rated Voltage: 48VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.56A

Power: 26.88W

Rated Speed: 8000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 102.4 CFM (174.0 m<sup>3</sup>/h / 2.90 m<sup>3</sup>/min)

Max. Static Pressure: 32.6 mmH<sub>2</sub>O (320 Pa / 1.28 inH<sub>2</sub>O)

Dimensions: 80x80x38mm

Weight: 210g

Life Expectancy: 70,000 Hours

Speed Control: PWM Control, Tachometer Output

Ingress Protection: IP54 Equivalent

Insulation Class: Class E

Noise Level: 58.0 dB(A)

Housing Material: Plastic (Black) UL94V-0

Blade Material: Plastic (Black) UL94V-0

Termination: 4-Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

The 08038RA-44R-GU-CY is specifically designed for high-stress environments such as industrial frequency inverters and power supply units. Its robust construction allows the 08038RA-44R-GU-CY to maintain consistent airflow in dense server racks and telecommunications infrastructure. Additionally, this model is frequently integrated into CNC machinery and medical diagnostic equipment where reliable thermal regulation is paramount for system longevity.

## Supplemental Images

---

