

09238RA-12S-EUD-Y NMB 12VDC 92x92x38mm PWM Axial Fan Datasheet



Brand: NMB

SKU: [993223295497](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Page:

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Product Description

The NMB 09238RA-12S-EUD-Y is a high-performance DC axial fan engineered by MinebeaMitsumi for applications demanding extreme thermal dissipation and static pressure. Utilizing advanced motor technology and a robust dual ball bearing architecture, this unit ensures exceptional structural rigidity and operational longevity even under continuous high-speed rotation. The aerodynamic impeller is designed to maximize volumetric efficiency while minimizing turbulence, significantly reducing thermal impedance in dense electronic enclosures. Featuring Pulse Width Modulation (PWM) support, the fan allows for precise speed regulation, balancing acoustic performance with cooling requirements. Its 4-wire interface provides critical tachometer feedback, making it an ideal solution for mission-critical industrial systems where reliability and airflow monitoring are paramount.

Model Number: 09238RA-12S-EUD-Y

Brand: NMB (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 5.00 A

Input Power: 60.00 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 210.50 CFM (357.6 m³/h / 5.96 m³/min)

Max. Static Pressure: 52.40 mmH₂O (513.8 Pa / 2.06 inH₂O)

Dimensions: 92 x 92 x 38 mm

Weight: 280 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead with Connector

Ingress Protection: IP20

Noise Level: 68.5 dBA

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

Safety Certifications: UL, cUL, TUV, CE

The 09238RA-12S-EUD-Y is specifically designed for high-density computing environments, such as blade server racks and enterprise storage arrays, where overcoming system backpressure is critical. Additionally, the 09238RA-12S-EUD-Y serves as a vital cooling component in industrial frequency inverters, variable frequency drives (VFDs), and heavy-duty automation equipment, ensuring components remain within safe thermal limits during peak load operations.

Supplemental Images

