

09238RA-12P-EM-01 NMB 12VDC 92x92x38mm 2.60A Axial Fan Datasheet



Brand: NMB

SKU: [999953360772](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/09238ra-12p-em-01-nmb-12vdc-92x92x38mm-2-60a-axial-fan>

Product Description

The NMB 09238RA-12P-EM-01 is a precision-engineered DC axial fan designed for critical thermal management in high-density electronic enclosures. Manufactured by MinebeaMitsumi, this unit features a robust thermoplastic housing and an aerodynamic impeller optimized for high static pressure delivery, making it essential for overcoming system impedance in tightly packed server racks. The device utilizes a dual ball bearing architecture to ensure long-term rotational stability and reduced friction under continuous high-speed operation. With a substantial power rating, the 09238RA-12P-EM-01 delivers exceptional airflow volume, effectively dissipating heat from sensitive components like variable frequency drives and industrial automation controllers, ensuring operational reliability in demanding environments.

Model Number: 09238RA-12P-EM-01

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 2.60 A

Power Input: 31.2 W

Rated Speed: 5500 RPM (Estimated based on current)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 130.0 CFM (220.8 m³/h)

Max. Static Pressure: 22.5 mmH₂O (220 Pa)

Dimensions: 92 x 92 x 38 mm

Weight: 230 g

Termination: 3-Wire Leads

Wire Function: Red (+), Black (-), White/Yellow (Tachometer/Signal)

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

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Ingress Protection: IP20

Mounting Type: Flange Mount

Direction of Rotation: Clockwise (viewed from rotor)

Airflow Direction: Struts to Label

This high-performance cooling solution is specifically engineered for industrial automation and enterprise computing environments where thermal loads are significant. The 09238RA-12P-EM-01 is frequently deployed in server chassis and blade enclosures to maintain optimal operating temperatures for CPUs and power supply units. Additionally, the 09238RA-12P-EM-01 serves as a critical component in variable frequency drives (VFDs) and solar inverters, providing the necessary airflow to cool power transistors and capacitors, thereby preventing thermal throttling and extending equipment lifespan in continuous-duty applications.

Supplemental Images

