

09225VE-24P-CA-02 NMB 24VDC 92x92x25mm IP69K Axial Fan Datasheet



Brand: NMB

SKU: [924143649002](#)

Category: Axial & Centrifugal Fans

Price: **\$29.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/09225ve-24p-ca-02-nmb-24vdc-92x92x25mm-ip69k-axial-fan>

Product Description

The NMB 09225VE-24P-CA-02 is a precision-engineered axial fan designed for extreme industrial environments requiring robust thermal management and high ingress protection. Utilizing MinebeaMitsumi's advanced aerodynamic impeller design and durable dual ball bearing architecture, this unit delivers high static pressure while maintaining operational stability under varying loads. The 09225VE series features a specialized epoxy potting encapsulation, providing superior IP69K-rated protection against dust ingress and high-pressure water jets, making it ideal for harsh manufacturing settings. Its efficient DC motor minimizes thermal impedance, ensuring longevity and reliability in critical cooling applications where structural rigidity and continuous operation are paramount.

Model Number: 09225VE-24P-CA-02

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.37 A

Input Power: 8.88 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Dimensions: 92x92x25mm

Weight: 140 g

Life Expectancy: 60,000 Hours @ 40°C

Ingress Protection: IP69K (Dust Tight / High Pressure Water Jets)

Termination: 2-Wire Lead (Waterproof Interface)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Specific Application: Yaskawa YRC1000 Control Cabinet

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Insulation Class: Class E

Noise Level: 44.0 dB(A)

Designed specifically for demanding industrial automation, the 09225VE-24P-CA-02 serves as a critical cooling component within the Yaskawa YRC1000 robot control cabinet. Its robust construction allows it to withstand the rigors of factory floors, including exposure to moisture and contaminants common in CNC machining and robotic welding cells. By maintaining optimal operating temperatures for sensitive servo drives and power electronics, the 09225VE-24P-CA-02 prevents thermal throttling and ensures the continuous precision of robotic arms in automotive assembly and heavy manufacturing sectors.

Supplemental Images

