

09225VE-24Q-CT-01 NMB 24VDC 92x92x25mm 3-Wire Axial Fan Datasheet



Brand: NMB

SKU: 717207801654

Category: Axial & Centrifugal Fans

Price: **\$32.99**

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Product Page:

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Product Description

The NMB 09225VE-24Q-CT-01 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Manufactured by NMB Technologies (MinebeaMitsumi), this unit leverages advanced aerodynamic impeller geometry to minimize turbulence while maximizing static pressure delivery against high system impedance. The motor assembly integrates a robust brushless DC architecture with dual ball bearings, ensuring exceptional structural rigidity and prolonged operational lifespan under continuous load. Engineered for optimal heat dissipation, the 09225VE-24Q-CT-01 maintains thermal equilibrium in densely populated electronic enclosures, offering a superior balance between airflow throughput and acoustic performance, making it an ideal component for high-reliability applications.

Model Number: 09225VE-24Q-CT-01

Brand: NMB Technologies (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.49 A

Input Power: 11.76 W

Rated Speed: 4250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 78.0 CFM (132.5 m³/h / 2.21 m³/min)
Max. Static Pressure: 8.6 mmH₂O (84.3 Pa / 0.34 inH₂O)
Dimensions: 92 x 92 x 25 mm
Weight: 95 g
Life Expectancy: 60,000 Hours (L10 at 40°C)
Termination: 3-Wire (Lead Wire)
Sensor Type: Tachometer Output (Signal)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Noise Level: 44.5 dB(A)
Motor Protection: Auto Restart / Polarity Protection
Ingress Protection: IP40
Mounting Hole Distance: 82.5 mm

This high-static pressure cooling solution is frequently deployed in enterprise-grade server racks, telecommunications base stations, and industrial automation control panels where reliability is paramount. The 09225VE-24Q-CT-01 excels in forcing air through restrictive chassis and heat sinks found in power supply units and medical instrumentation. By integrating the 09225VE-24Q-CT-01 into sensitive electronic assemblies, engineers ensure consistent thermal regulation, preventing component degradation in 24/7 operational environments.

Supplemental Images

