

V80E14MS2A3-57A611 Nidec 13.6VDC 80x80x38mm Axial Fan Datasheet



Brand: Nidec

SKU: 747710305703

Category: Axial & Centrifugal Fans

Price: \$25.99

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Product Page:

<https://www.equipspares.com/product/v80e14ms2a3-57a611-nidec-13-6vdc-80x80x38mm-axial-fan>

Product Description

The Nidec V80E14MS2A3-57A611 is a specialized DC Axial Fan engineered for the rigorous thermal demands of refrigeration and cold-chain storage systems. Operating at a specific nominal voltage of 13.6VDC, this unit integrates advanced DC brushless motor technology with a precision bearing architecture designed to withstand low-temperature environments while maintaining structural rigidity. The aerodynamic impeller profile is optimized to deliver consistent airflow against the high static pressure resistance often found in evaporator chambers and frosted heat exchangers. Its robust construction ensures minimal thermal impedance and reliable operation, making it a critical component for maintaining thermal equilibrium in appliance and industrial cooling circuits.

Model Number: V80E14MS2A3-57A611

Brand: Nidec

Product Type: DC Axial Fan

Rated Voltage: 13.6 VDC

Voltage Range: 12.0 - 14.5 VDC

Dimensions: 80 x 80 x 38 mm

Bearing Type: Precision Ball Bearing

Motor Type: DC Brushless

Air Flow Direction: Axial

Housing Material: Reinforced Plastic (UL94V-0)

Blade Material: Reinforced Plastic

Termination: 3-Wire Lead with Connector

Speed Control: Tachometer Output (Sensor)

Operating Temperature: -10°C to +70°C

Application: Refrigerator Evaporator Cooling

Mounting: Flange Mount

Ingress Protection: Moisture Resistant Design

The V80E14MS2A3-57A611 is primarily utilized in residential and commercial refrigeration units, specifically functioning as an evaporator fan to circulate cold air throughout the compartment. Beyond standard kitchen appliances, the V80E14MS2A3-57A611 is suitable for wine coolers, medical vaccine fridges, and compact heat exchange systems requiring a specific 13.6V input. Its moisture-resistant design ensures longevity in high-humidity zones within server cooling backups or specialized CNC control cabinets where condensation might occur.

Supplemental Images

