

U12E12MS3J3-57Z32 Nidec 12VDC 120mm Refrigerator Axial Fan Datasheet



Brand: Nidec

SKU: [717412565066](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/u12e12ms3j3-57z32-nidec-12vdc-120mm-refrigerator-axial-fan>

Product Description

The Nidec U12E12MS3J3-57Z32 is a specialized Axial Fan engineered for precision thermal management in sensitive electronic and appliance environments. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining an exceptionally low acoustic profile, indicated by its minimal current draw. The aerodynamic blade design minimizes turbulence, thereby reducing thermal impedance within the target enclosure. Constructed with high-grade materials to ensure structural rigidity and long-term reliability, this fan is optimized for continuous operation in applications requiring stable static pressure and efficient heat dissipation.

Model Number: U12E12MS3J3-57Z32

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Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.076 A

Input Power: 0.91 W

Rated Speed: 1300 RPM

Bearing Type: Precision Hydro Bearing

Max. Air Flow: 42.5 CFM (72.2 m³/h / 1.20 m³/min)

Max. Static Pressure: 1.15 mmH₂O (11.27 Pa / 0.045 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 145 g

Life Expectancy: 40000 Hours @ 40°C

Noise Level: 21.5 dBA

Housing Material: Polybutylene Terephthalate (PBT) UL94V-0

Impeller Material: Polybutylene Terephthalate (PBT) UL94V-0

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Motor Protection: Impedance Protected

Ingress Protection: IP4X

Designed primarily for appliance thermal regulation, the U12E12MS3J3-57Z32 excels in refrigerator cooling systems where silence and reliability are paramount. Its low power consumption makes it ideal for continuous duty cycles in power-sensitive electronics. The U12E12MS3J3-57Z32 is also suitable for cabinet ventilation, home theater PC setups, and auxiliary cooling in industrial control panels where moderate airflow is required without introducing significant noise pollution.

Supplemental Images

