

U12E12MS1M3-57Z20 Nidec 12VDC 120mm Refrigerator Axial Fan Datasheet



Brand: Nidec

SKU: [U12E12MS1M3-57Z20](#)

Category: Industrial Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/u12e12ms1m3-57z20-nidec-12vdc-120mm-refrigerator-axial-fan>

Product Description

The Nidec U12E12MS1M3-57Z20 is a specialized Axial Fan designed for precision thermal management within refrigeration units and consumer appliances. Engineered with Nidec's advanced DC brushless motor technology, this component ensures optimal airflow while maintaining a low acoustic profile, essential for quiet home environments. The unit features a robust housing designed for structural rigidity and long-term reliability under continuous operation. Its aerodynamic blade design minimizes turbulence, effectively reducing thermal impedance within the cooling enclosure while providing consistent static pressure required for internal circulation.

Model Number: U12E12MS1M3-57Z20

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 12V DC

Rated Current: 0.136 A

Power Consumption: 1.63 W

Dimensions: 120mm Standard Frame (12.5cm Mounting Profile)

Termination: 4-Wire Lead

Motor Type: DC Brushless

Bearing Type: Precision Silent Bearing

Application: Haier Refrigerator Cooling

Noise Level: Low Noise (Silent Design)

Speed Control: PWM/Tachometer Support (4-Wire)

Housing Material: Thermoplastic UL94V-0

Blade Material: Thermoplastic UL94V-0

Mounting Orientation: Vertical/Horizontal

The U12E12MS1M3-57Z20 is primarily utilized in the maintenance and repair of Haier refrigeration systems, serving as a critical component for internal air circulation and heat dissipation. Its specific 4-wire configuration allows for precise speed monitoring and control, ensuring the appliance maintains optimal temperatures for food preservation. Beyond residential refrigeration, the U12E12MS1M3-57Z20 is suitable for custom cooling solutions requiring a quiet, low-power 12VDC airflow source in confined spaces where reliability is paramount.

Supplemental Images

