

# 12038GE-12M-YT-F3 NMB 12VDC 120x120x38mm Axial Fan Datasheet



**Brand:** NMB

**SKU:** 1010967757243

**Category:** Axial & Centrifugal Fans

**Price:** **\$15.99**

---

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

---

Product Page:

<https://www.equipspares.com/product/12038ge-12m-yt-f3-nmb-12vdc-120x120x38mm-axial-fan>

---

## Product Description

---

The NMB 12038GE-12M-YT-F3 is a precision-engineered DC axial fan designed for critical thermal management in refrigeration systems and industrial electronics. Utilizing advanced motor technology, this unit delivers consistent airflow while maintaining optimal thermal impedance within enclosed chassis environments. The construction features a robust housing and impeller assembly, ensuring structural rigidity and long-term reliability under continuous operation. Engineered with a specialized bearing architecture, the 12038GE-12M-YT-F3 minimizes frictional losses and acoustic resonance, making it an ideal solution for applications requiring stable static pressure and durability. Its 3-wire configuration supports speed monitoring, facilitating precise control over cooling performance in demanding industrial and appliance settings.

Model Number: 12038GE-12M-YT-F3

Brand: NMB-MAT (MinebeaMitsumi)

Product Type: DC Axial Fan

Rated Voltage: 12V DC

Voltage Range: 6.0 - 13.8 VDC

Rated Current: 0.26 A

Input Power: 3.12 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 88.0 CFM (149.5 m<sup>3</sup>/h / 2.49 m<sup>3</sup>/min)

Max. Static Pressure: 6.4 mmH<sub>2</sub>O (62.7 Pa / 0.25 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Weight: 270 g

Life Expectancy: 100,000 Hours at 25°C

Termination: 3-Wire (Lead Wire)

Output Signal: F3 (Frequency Generator/Tachometer)

Noise Level: 39.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP40

Mounting Orientation: Any

This cooling solution is specifically engineered for thermal regulation in appliance and industrial environments, serving as a direct replacement for various refrigeration units, including Haier systems. The 12038GE-12M-YT-F3 excels in maintaining low temperatures in evaporator compartments and condenser cooling loops. Beyond refrigeration, the 12038GE-12M-YT-F3 is suitable for server cabinet ventilation, electronics cooling, and heat exchange systems where reliable air movement is paramount to prevent component overheating.

## Supplemental Images

---

