

# X17L48BGM3-07 Nidec 48VDC 1.27A 172x150x51mm Axial Fan Datasheet



**Brand:** Nidec

**SKU:** [1003168863433](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$51.99**

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

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

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Product Page:

<https://www.equipspares.com/product/x17l48bgm3-07-nidec-48vdc-1-27a-172x150x51mm-axial-fan>

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## Product Description

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The Nidec X17L48BGM3-07 is a high-efficiency Axial Fan engineered for demanding industrial cooling environments. Utilizing advanced DC brushless motor technology, this unit operates on a 48VDC rail, delivering exceptional thermal management capabilities. The UltraFlo series architecture incorporates a precision-engineered dual ball bearing system, significantly reducing thermal impedance and ensuring long-term structural rigidity under continuous operation. Its aerodynamic impeller design is optimized for high static pressure and volumetric airflow, making it ideal for dense electronic enclosures. The integration of intelligent control features allows for precise speed modulation, enhancing overall system efficiency while maintaining acoustic integrity in critical infrastructure deployments.

Model Number: X17L48BGM3-07

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 1.27A

Power: 60.96W

Rated Speed: 3500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 300.0 CFM (509.7 m<sup>3</sup>/h / 8.50 m<sup>3</sup>/min)

Max. Static Pressure: 25.4 mmH<sub>2</sub>O (249.1 Pa / 1.00 inH<sub>2</sub>O)

Dimensions: 172x150x51mm

Weight: 820g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Control

Monitoring: Tachometer

Ingress Protection: IP54

Insulation Class: Class A

Noise Level: 62.0 dBA

Housing Material: Aluminum Die-Cast (UL94V-0)

Blade Material: Thermoplastic (UL94V-0)

Termination: 4-Wire Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Mounting Orientation: Any Position

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, TUV, CE, RoHS

The Nidec X17L48BGM3-07 is specifically designed for high-density thermal management in telecommunications infrastructure and enterprise-level server racks. Its robust construction allows the X17L48BGM3-07 to excel in industrial automation cabinets and CNC machinery where consistent airflow is critical for component longevity. Additionally, this model is frequently integrated into medical imaging equipment and power supply cooling systems, providing reliable heat dissipation for sensitive electronics.

## Supplemental Images

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