

PF-121C NTO 100VAC 120x120x25mm Axial Fan Datasheet



SKU: [731934917684](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/pf-121c-nto-100vac-120x120x25mm-axial-fan>

Product Description

The NTO PF-121C is a robust AC axial fan engineered for demanding industrial cooling applications requiring reliable thermal management. Designed by Nitto Kogyo, this unit features a durable aluminum die-cast frame that provides exceptional structural rigidity and heat dissipation properties compared to standard plastic housings. The motor architecture utilizes an impedance-protected AC induction design, ensuring safe operation even under locked rotor conditions. Its aerodynamic impeller is crafted to optimize airflow efficiency while minimizing acoustic noise, making it suitable for environments where sonic output is a consideration. The fan operates effectively across dual frequencies, delivering consistent performance in diverse electrical environments. With a focus on longevity, the bearing system is selected to reduce friction and thermal impedance, extending the operational lifespan of the unit in continuous-duty cycles.

Model Number: PF-121C

Brand: NTO (Nitto Kogyo)

Product Type: AC Axial Fan

Rated Voltage: 100 VAC

Frequency: 50 / 60 Hz

Input Power: 11.0 / 9.5 W

Rated Current: 0.14 / 0.11 A

Rated Speed: 2450 / 2800 RPM

Max. Air Flow: 74.1 / 84.7 CFM (2.1 / 2.4 m³/min)

Max. Static Pressure: 5.88 / 6.86 mmH₂O (57.6 / 67.2 Pa)

Noise Level: 38 / 42 dB(A)

Dimensions: 120 x 120 x 25 mm

Weight: 350 g

Bearing Type: Ball Bearing

Frame Material: Aluminum Die-Cast

Blade Material: Polycarbonate (Glass Fiber Reinforced)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Insulation Resistance: 100MΩ min. at 500VDC

Dielectric Strength: 1500VAC for 1 minute

Protection: Impedance Protected

Termination: Lead Wires

Life Expectancy: 50,000 Hours (at 25°C)

Mounting Hole Distance: 104.8 mm

The PF-121C is frequently deployed in high-density electronic enclosures and server racks where consistent airflow is critical for component stability. Its robust aluminum construction makes the PF-121C ideal for CNC machinery control panels and industrial automation equipment exposed to vibration or mechanical stress. Telecommunications infrastructure also benefits from the reliability of the PF-121C, ensuring that switching gear and power supplies remain within safe thermal operating limits. Additionally, this model is often integrated into medical instrumentation and laboratory equipment requiring a balance of airflow performance and durability.

Supplemental Images

