

# P1238Y48BPCB5k-5 PELKO Motors 48VDC 120x120x38mm Axial Fan Datasheet



**Brand:** PELKO Motors

**SKU:** [1001834791822](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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

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

Product Page:

<https://www.equipspares.com/product/p1238y48bpcb5k-5-pelko-motors-48vdc-120x120x38mm-axial-fan>

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## Product Description

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PELKO Motors P1238Y48BPCB5k-5 is a 48VDC 120x120x38mm Axial Fan optimized for high-density thermal management in industrial environments. Engineered with a robust dual ball bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under continuous duty cycles. The DC brushless motor operates at 0.45A, delivering significant static pressure to overcome resistance in tightly packed enclosures. Its aerodynamic impeller design is specifically tuned for industrial equipment cooling, ensuring stable airflow and extended service life in demanding conditions. This model provides a reliable solution for critical systems requiring precise thermal regulation and low-vibration operation.

Model Number: P1238Y48BPCB5k-5

Brand: PELKO Motors

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 0.45 A

Power: 21.6 W

Rated Speed: 5000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 190.0 CFM

Max. Static Pressure: 0.85 inH<sub>2</sub>O

Dimensions: 120 x 120 x 38 mm

Weight: 310 g

Life Expectancy: 70,000 hours at 40 C

Termination: 3-Wire Lead Wires

Speed Control: Tachometer / FG Signal

Housing Material: UL94V-0 PBT Plastic

Blade Material: UL94V-0 PBT Plastic

Insulation Class: Class A

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL

#### P1238Y48BPCB5k-5 Applications

1. Industrial VFD Control Cabinets: High static pressure capability allows for efficient heat dissipation through dense filter media and internal component arrays.
2. 48V Telecom Base Stations: Optimized for the standard 48VDC power rail, providing a high-reliability replacement fan for ruggedized outdoor communication enclosures.
3. Server Rack Thermal Management: The 38mm depth and high RPM profile are ideal for overcoming the high system impedance found in 3U and 4U rackmount chassis.

## Supplemental Images

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