P1238H48BPCB3C-7 PELKO 48VDC 120x120x38mm Axial Fan Datasheet

Brand: PELKO Motors

SKU: 910002086784

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/p1238h48bpcb3c-7-pelko-48vdc-120x120x38mm-axial-fan

Product Description

The PELKO P1238H48BPCB3C-7 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial environments. Utilizing advanced brushless DC motor technology, this unit delivers consistent rotational stability while minimizing electromagnetic interference. The aerodynamic impeller design is optimized to balance airflow volume with static pressure, ensuring efficient heat dissipation through high-impedance systems. Constructed with a high-rigidity frame to withstand thermal stress and vibration, the fan features a durable bearing architecture that significantly lowers thermal impedance and extends operational service life in continuous duty applications.

Model Number: P1238H48BPCB3C-7
Brand: PELKO Motors
Product Type: DC Axial Fan
Rated Voltage: 48V DC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 0.18 A
Power Consumption: 8.64 W
Rated Speed: 2600 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 98.5 CFM (167.3 m^3/h / 2.79 m^3/min)

Max. Static Pressure: 7.11 mmH_2O (69.7 Pa / 0.28 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 270 g
Noise Level: 41.5 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Life Expectancy: 70,000 Hours at 40°C
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires (UL1007 AWG24)
Ingress Protection: IP20
Motor Protection: Impedance Protected, Reverse Polarity Protection
Dielectric Strength: 500VAC for 1 Minute
Insulation Resistance: 10M Ohm at 500VDC

The P1238H48BPCB3C-7 is specifically engineered for deployment in telecommunications infrastructure and server cabinet cooling systems where reliability is paramount. Its robust pressure capabilities make it ideal for forcing air through dense component arrays in industrial automation control panels and power supply units. Additionally, the P1238H48BPCB3C-7 is frequently utilized in network switchgear and medical instrumentation, providing effective thermal regulation within restricted enclosure spaces to prevent component overheating.

Supplemental Images