R1225H12SPCP PELKO Motors 12VDC 120x120x25mm Axial Fan Datasheet

Brand: PELKO Motors

SKU: 969607389959

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/r1225h12spcp-pelko-motors-12vdc-120x120x25mm-axial-fan

Product Description

The PELKO Motors R1225H12SPCP is a precision-engineered DC Axial Fan designed to deliver superior thermal management in high-density electronic environments. Built with a robust thermoplastic frame and an advanced aerodynamic impeller, this unit optimizes airflow efficiency while minimizing turbulence-induced noise. The motor architecture features a reliable bearing system designed to withstand continuous operation, ensuring consistent rotational stability and reduced thermal impedance. Engineered for structural rigidity, the R1225H12SPCP provides a high static pressure output relative to its footprint, making it an ideal solution for systems requiring rapid heat dissipation and long-term reliability under varying load conditions.

Model Number: R1225H12SPCP
Brand: PELKO Motors
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.43 A
Input Power: 5.16 W
Rated Speed: 2600 RPM
Bearing Type: Sleeve Bearing
Max. Air Flow: 88.0 CFM (149.5 m^3/h)

Max. Static Pressure: 7.1 mmH_2O (69.6 Pa / 0.28 inH_2O)
Dimensions: 120x120x25mm
Noise Level: 41.5 dB-A
Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires
Life Expectancy: 30,000 Hours at 25°C

This high-efficiency cooling component is specifically designed for integration into server racks, telecommunications cabinets, and industrial power supply units where space is at a premium. The R1225H12SPCP is frequently utilized in CNC machinery control panels and medical instrumentation to prevent thermal throttling of sensitive electronics. By maintaining optimal operating temperatures, the R1225H12SPCP ensures the longevity and stability of critical hardware in demanding 24/7 operational environments.