

R1225Y24BPLP1s-7 PELKO MOTORS 24VDC 120x120x25mm Axial Fan Datasheet



Brand: PELKO Motors

SKU: [724676104459](#)

Category: Axial & Centrifugal Fans

Price: **\$10.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/r1225y24bplp1s-7-pelko-motors-24vdc-120x120x25mm-axial-fan>

Product Description

The PELKO MOTORS R1225Y24BPLP1s-7 is a high-efficiency DC Axial Fan engineered for demanding industrial thermal management and forced convection applications. Utilizing advanced DC brushless motor technology combined with a precision dual ball bearing architecture, this unit minimizes frictional losses while ensuring long-term rotational stability. The aerodynamic impeller design is specifically optimized to reduce air turbulence, thereby lowering thermal impedance within high-density electronic enclosures. Its robust thermoplastic frame construction ensures structural rigidity under continuous operation, making it an ideal solution for systems requiring sustained high airflow and reliable heat dissipation performance in harsh environments.

Model Number: R1225Y24BPLP1s-7

Brand: PELKO MOTORS

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.43 A

Power: 10.32 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 108.2 CFM (183.8 m³/h / 3.06 m³/min)

Max. Static Pressure: 8.50 mmH₂O (83.35 Pa / 0.33 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 230 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 46.5 dB(A)

Frame Material: PBT Thermoplastic, UL94V-0

Impeller Material: PBT Thermoplastic, UL94V-0

Ingress Protection: IP20

Insulation Class: Class A

Termination: Lead Wires (Red+, Black-)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection, Reverse Polarity, Auto Restart

Mounting Orientation: Any

This high-performance cooling solution is specifically tailored for critical industrial applications such as telecommunications server racks and automation control panels. The R1225Y24BPLP1s-7 provides the necessary static pressure to force air through dense fin stacks in power supplies and frequency inverters. Additionally, the R1225Y24BPLP1s-7 is widely utilized in medical instrumentation and CNC machinery, where consistent thermal regulation is paramount to prevent component overheating and ensure system longevity.

Supplemental Images

