7114HNR-147 ebmpapst 24V 0.79A 150mm 19W DC Axial Fan Datasheet

Brand: ebmpapst

SKU: 888834457412

Category: Axial & Centrifugal Fans

Price: **$46.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/7114hnr-147-ebmpapst-24v-0-79a-150mm-19w-dc-axial-fan

Product Description

The ebmpapst 7114HNR-147 is a high-performance DC Axial Fan engineered for critical industrial thermal management applications. Driven by a robust 24VDC motor with a power consumption of 19W, this unit utilizes a precision-balanced 7-blade impeller to deliver superior aerodynamic efficiency and static pressure capabilities. The fan features a durable ball bearing architecture, which significantly reduces frictional wear and enhances structural rigidity, ensuring a long operational service life even under continuous duty cycles. Designed with low thermal impedance and a wide operating voltage range, this cooling solution provides stable airflow performance for sensitive electronics and high-density enclosures.

Model Number: 7114HNR-147
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 26.5 VDC
Rated Current: 0.79 A (790 mA)
Rated Power: 19.0 W
Rated Speed: 3050 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 211.9 CFM (360 m^3/h / 6.0 m^3/min)

Max. Static Pressure: 16.5 mmH_2O (162 Pa / 0.65 inH_2O)
Dimensions: 150 mm x 172 mm x 38 mm
Weight: 0.62 kg (1.37 lbs)
Life Expectancy: 80,000 Hours at 40°C
Termination: 2 Lead Wires
Impeller Blade Count: 7 Blades
Housing Material: Die-Cast Aluminum
Impeller Material: Fiberglass Reinforced Plastic (PA)
Operating Temperature: -20°C to +72°C
Storage Temperature: -40°C to +80°C
Direction of Rotation: Counter-clockwise (viewed toward rotor)
Airflow Direction: Air exhaust over struts
Motor Protection: Reverse Polarity Protected, Locked Rotor Protection

The 7114HNR-147 is specifically designed for integration into demanding environments such as telecommunications base stations, server rack cooling systems, and industrial automation control panels. Its high-power density allows the 7114HNR-147 to effectively dissipate heat in power supply units and medical instrumentation where space is limited but thermal loads are substantial, ensuring system reliability and preventing component failure due to overheating.

Supplemental Images