6314HR-900 ebmpapst 24VDC 172mm Industrial Axial Fan Datasheet

Brand: ebmpapst

SKU: 620260049035

Category: Axial & Centrifugal Fans

Price: **$141.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/6314hr-900-ebmpapst-24vdc-172mm-industrial-axial-fan

Product Description

The ebmpapst 6314HR-900 is a robust DC axial fan engineered for demanding industrial thermal management applications requiring high airflow and structural durability. Featuring a precision-balanced impeller housed within a rugged die-cast aluminum frame, this unit ensures superior structural rigidity and optimal aerodynamic performance under high static pressure conditions. The integrated brushless DC motor utilizes advanced commutation electronics to minimize thermal impedance while maximizing energy efficiency across its wide operating voltage range. Equipped with maintenance-free ball bearings, the 6314HR-900 delivers consistent cooling performance and exceptional reliability, making it an ideal solution for systems operating in harsh environments where longevity is critical.

Model Number: 6314HR-900
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 28.0 VDC
Rated Current: 1.5 A
Power Consumption: 36 W
Rated Speed: 4800 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 320.0 CFM (543.7 m^3/h)
Max. Static Pressure: 0.98 inH_2O (245 Pa)
Dimensions: Ø 172 x 51 mm
Weight: 900 g (1.98 lbs)
Housing Material: Die-Cast Aluminum
Impeller Material: PA Plastic (Fiberglass Reinforced UL94V-0)
Operating Temperature: -20 to +75 °C
Storage Temperature: -40 to +80 °C
Life Expectancy: 77,500 Hours @ 40°C
Termination: 2-Wire Leads
Motor Protection: Reverse Polarity, Locked Rotor Protection
Ingress Protection: IP20
Mounting Orientation: Any

The 6314HR-900 is frequently deployed in mission-critical telecommunications infrastructure and high-density server cabinets where consistent airflow is paramount for heat dissipation. Its robust construction allows for seamless integration into industrial automation equipment, rectifiers, and power supply units subject to elevated ambient temperatures. Engineers rely on the 6314HR-900 for its ability to maintain thermal stability in CNC machinery and medical diagnostic devices, ensuring prolonged component lifespan and operational continuity in 24/7 environments.

Supplemental Images