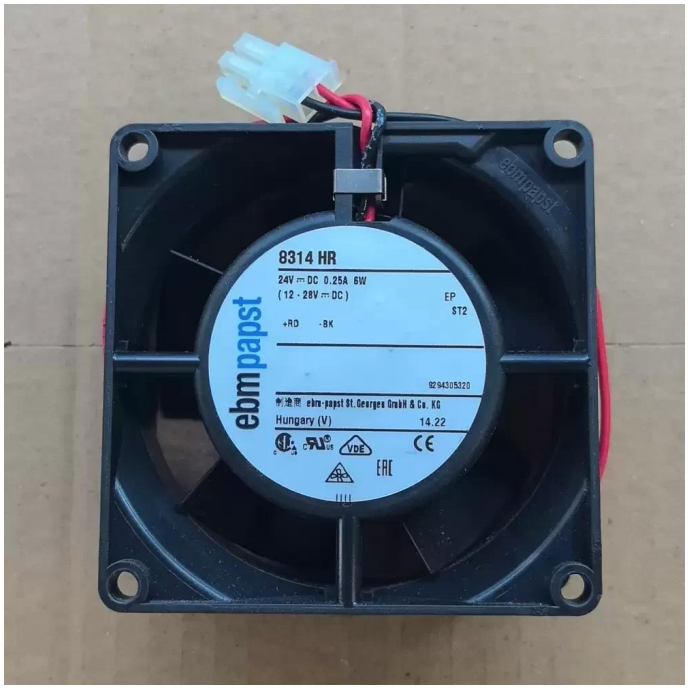
8314HR ebm-papst 24VDC 80x80x32mm 6W Axial Fan Datasheet



Brand: ebmpapst

SKU: 944873342836

Category: Axial & Centrifugal Fans

Price: **$62.99**

E-mail: sales@equipspares.com

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Product Page: https://www.equipspares.com/product/8314hr-ebm-papst-24vdc-80x80x32mm-6w-axial-fan

Product Description

The ebm-papst 8314HR is a precision-engineered DC axial fan designed for high-demand thermal management systems requiring robust airflow and static pressure. Utilizing advanced commutation electronics and a durable ball bearing architecture, this unit ensures consistent rotational stability and extended service life under continuous operation. The aerodynamic impeller geometry is optimized to minimize turbulence while maximizing cooling efficiency, making it ideal for overcoming high thermal impedance in dense electronic enclosures. Constructed with glass-fiber reinforced PBTP, the housing offers superior structural rigidity and resistance to environmental stress, ensuring reliability in industrial inverter applications and power electronics.

Model Number: 8314HR
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 31.5 VDC
Rated Current: 0.25 A
Power Consumption: 6.0 W
Rated Speed: 5000 RPM
Max. Air Flow: 47.1 CFM (80 m^3/h)
Max. Static Pressure: 9.81 mmH_2O (96.24 Pa / 0.39 inH_2O)
Bearing Type: Ball Bearing

Dimensions: 80 x 80 x 32 mm
Weight: 0.17 kg
Noise Level: 48 dB(A)
Housing Material: PBT Plastic (Glass-fiber reinforced)
Impeller Material: PA Plastic (Glass-fiber reinforced)
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts
Service Life L10 at 40°C: 70,000 hours
Operating Temperature: -20°C to +75°C
Termination: 2-Wire with Plug Interface
Motor Protection: Reverse Polarity, Locked Rotor Protection
Approvals: VDE, CSA, UL

The 8314HR is specifically engineered for critical cooling tasks within industrial automation and power conversion systems. Its high-pressure output makes it the preferred choice for variable frequency drives (VFDs), solar inverters, and dense server rack configurations where airflow must penetrate restrictive components. Additionally, the 8314HR is utilized in medical instrumentation and telecommunications equipment, providing reliable thermal dissipation to prevent component degradation in continuous-duty environments.

Supplemental Images