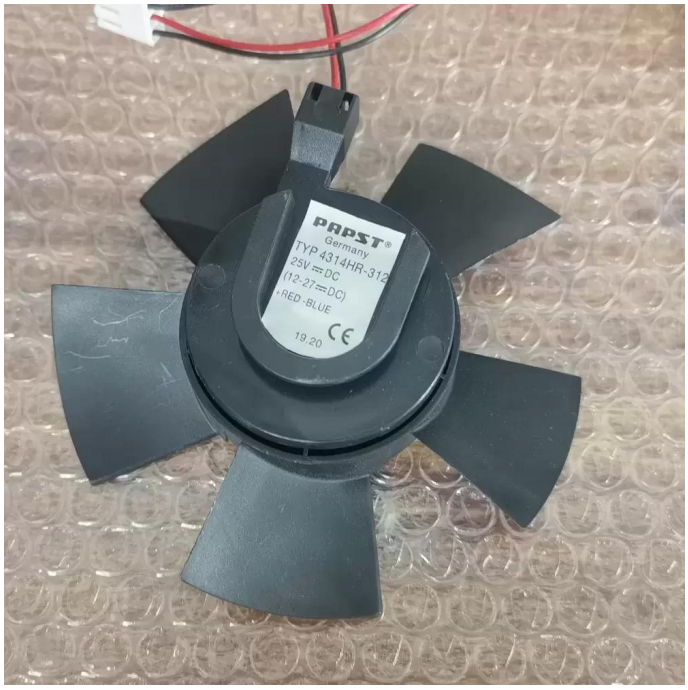
4314HR-312 ebm-papst 24VDC 119x119x32mm DC Axial Fan Datasheet



Brand: ebmpapst

SKU: 1033033289025

Category: Axial & Centrifugal Fans

Price: **$77.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/4314hr-312-ebm-papst-24vdc-119x119x32mm-dc-axial-fan

Product Description

The ebm-papst 4314HR-312 is a high-performance DC axial compact fan engineered for rigorous industrial thermal management. Operating within a wide voltage range of 12VDC to 28VDC (24VDC nominal), this unit delivers a substantial airflow of 170m3/h at a rated speed of 2800RPM. It features a robust glass-fiber reinforced PBT plastic housing and PA plastic impeller, ensuring structural integrity under thermal stress. With a power consumption of 5.0W and a noise emission level of 45dB(A), it balances high-volume air displacement with operational efficiency. The integrated ball bearing system supports an extended service life of 62,500 hours at 40°C, while electronic commutation provides essential protection against reverse polarity and rotor blockage.

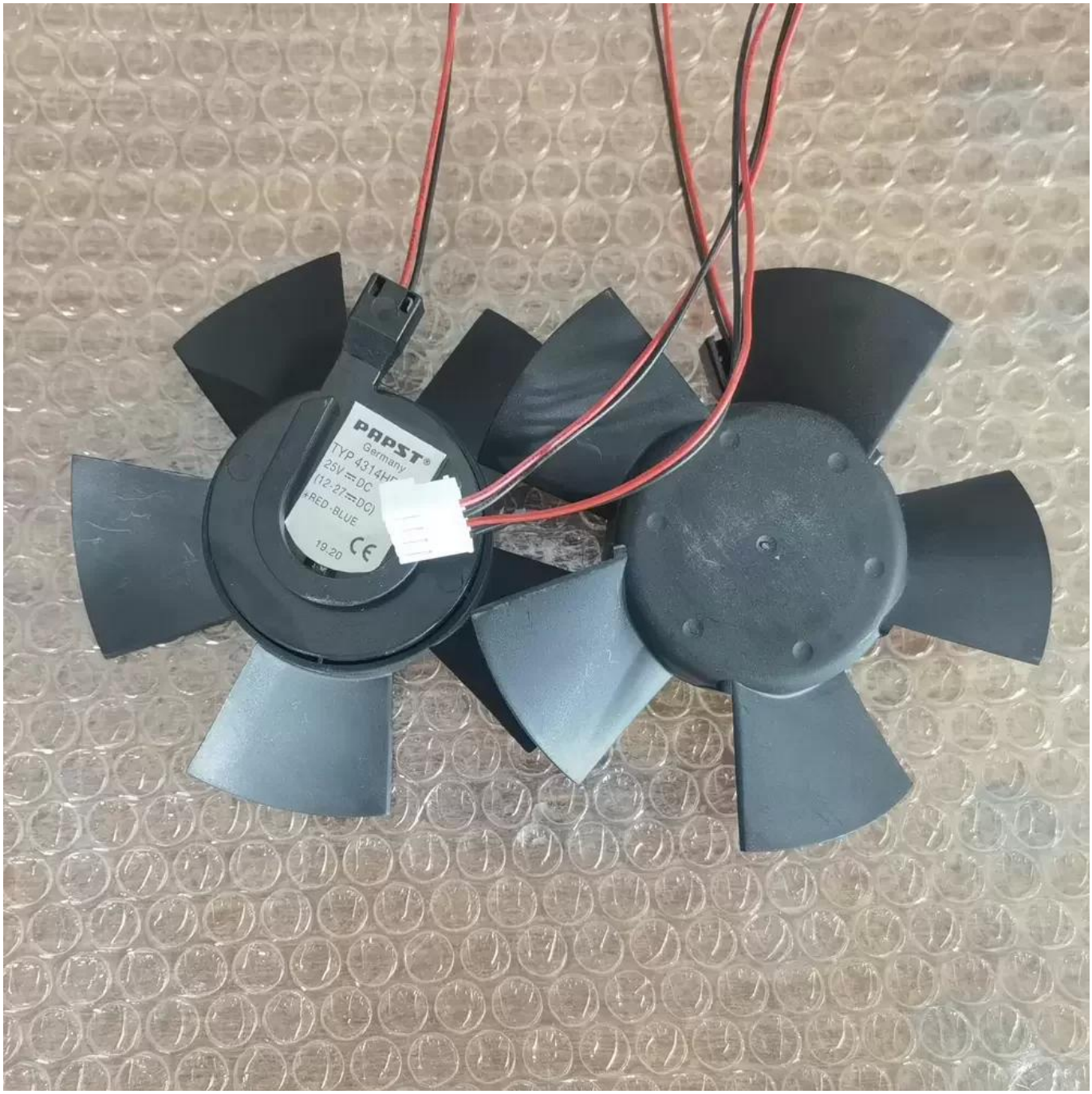
4314HR-312 Specifications
Model Number: 4314HR-312
Brand: ebm-papst
Product Category: DC Axial Fans
Nominal Voltage: 24VDC
Voltage Range: 12 to 28VDC
Nominal Speed: 2800RPM
Power Consumption: 5.0W
Airflow: 170m3/h (100.1CFM)
Sound Pressure Level: 45dB(A)

Sound Power Level: 5.8B
Bearing Type: Ball Bearing
Dimensions: 119 x 119 x 32mm
Weight: 0.220kg
Housing Material: Glass-fiber reinforced PBT plastic
Impeller Material: Glass-fiber reinforced PA plastic
Airflow Direction: Exhaust over struts
Direction of Rotation: Clockwise (viewed toward rotor)
Operating Temperature: -20 to +75°C
Service Life L10 (40°C): 62,500 hours
Service Life L10 (Max Temp): 27,500 hours
Termination: 2-Wire Leads (AWG 22, TR 64, stripped/tin-plated)
Motor Protection: Reverse polarity and blocked rotor protection
IP Rating: IP20
Approvals: VDE, CSA, UL, CE

4314HR-312 Applications

Active thermal regulation for industrial frequency converters, power supply units (PSU), and telecommunications rack systems. Integration into high-density server enclosures and automated control cabinets requiring consistent axial airflow for heat dissipation.

Supplemental Images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