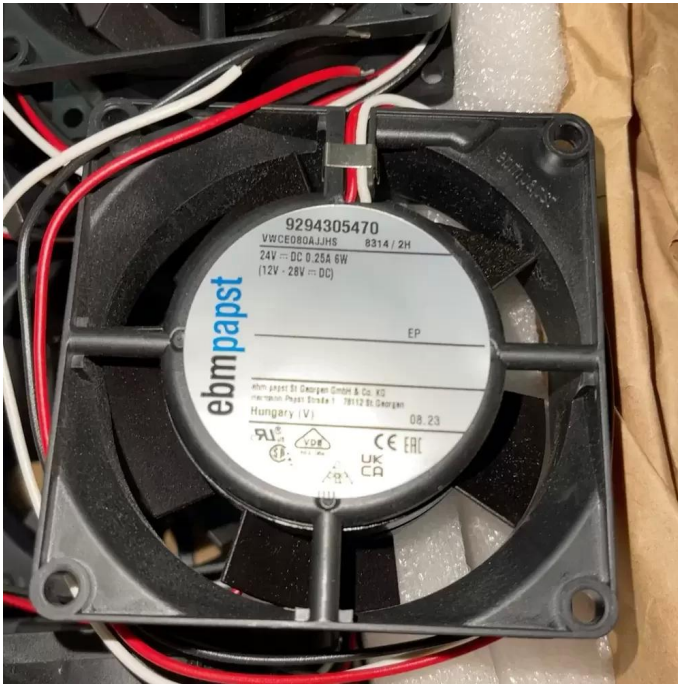


8314H/2H ebm-papst 24VDC 80x80x32mm 3-Wire Axial Fan Datasheet



Brand: ebmpapst

SKU: [896140792573](#)

Category: Axial & Centrifugal Fans

Price: **\$55.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/8314h-2h-ebm-papst-24vdc-80x80x32mm-3-wire-axial-fan>

Product Description

The ebm-papst 8314H/2H is a high-performance compact axial fan designed for demanding thermal management applications requiring robust airflow and reliability. Engineered with a durable ball bearing system and a glass-fiber reinforced PBT housing, this unit ensures structural rigidity and long-term operational stability under continuous loads. The 24VDC motor utilizes advanced commutation electronics to deliver consistent torque while maintaining optimal thermal impedance. Featuring a 3-wire configuration with a speed signal output, it allows for precise monitoring of fan performance in critical systems. Its aerodynamic impeller design minimizes turbulence, optimizing the ratio between static pressure and noise generation for industrial environments.

Model Number: 8314H/2H

Brand: ebm-papst

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 0.25 A

Power Input: 6.0 W

Rated Speed: 5000 RPM

Max. Air Flow: 47.1 CFM (80 m³/h)

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)

Termination: 3-Wire Leads

Signal Output: Speed Signal / Tachometer

Operating Temperature: -20°C to +75°C

Life Expectancy: 55,000 Hours (40°C)

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Ingress Protection: IP20

The 8314H/2H is specifically engineered for precision cooling in industrial automation and electronics cooling sectors. Frequently utilized in variable frequency drive (VFD) inverters and power supply units, the 8314H/2H ensures rapid heat dissipation to prevent thermal throttling. Its compact footprint makes it ideal for dense server racks, telecommunications equipment, and medical instrumentation where space is at a premium but airflow cannot be compromised. The integrated tachometer signal allows control systems to verify the 8314H/2H is operating correctly, adding a layer of safety for mission-critical hardware.

Supplemental Images

