

624/39HHPR ebmpapst 24VDC 60x60x25mm PWM Axial Fan Datasheet



Brand: ebmpapst

SKU: 830385219955

Category: Axial & Centrifugal Fans

Price: \$29.99

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Product Page:

<https://www.equipspares.com/product/624-39hhpr-ebmpapst-24vdc-60x60x25mm-pwm-axial-fan>

Product Description

The ebmpapst 624/39HHPR is a compact DC axial fan engineered for high-density thermal management applications requiring precise airflow modulation. Utilizing advanced electronically commutated (EC) motor technology, this unit delivers exceptional efficiency with a power consumption of 3.7W. The aerodynamic architecture features a fiberglass-reinforced plastic (PBTP) impeller and housing, optimized to minimize turbulence and acoustic resonance while maintaining structural rigidity under high static pressure loads. Equipped with a robust ball bearing system and a 4-wire PWM interface, the 624/39HHPR ensures reliable long-term operation and dynamic speed control, making it suitable for critical industrial environments where thermal impedance must be actively managed.

Model Number: 624/39HHPR

Brand: ebmpapst

Product Type: DC Axial Fan

OEM Reference: A5E02461231AB

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Rated Current: 0.16 A

Power Input: 3.7 W

Rated Speed: 4800 RPM

Bearing Type: Sintec Sleeve / Ball Bearing System
Max. Air Flow: 33.0 CFM (56.0 m³/h / 0.93 m³/min)
Max. Static Pressure: 6.63 mmH₂O (65 Pa / 0.26 inH₂O)
Dimensions: 60 x 60 x 25 mm
Weight: 0.066 kg
Life Expectancy: 70,000 hours @ 40°C (L10)
Speed Control: PWM (Pulse Width Modulation) / 4-Wire
Termination: Lead wires (AWG 22, TR 64)
Signal Output: Speed Signal (Tachometer)
Housing Material: Fiberglass-reinforced plastic (PBTP)
Impeller Material: Fiberglass-reinforced plastic (PA)
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Noise Level: 41 dB(A)
Direction of Rotation: Clockwise viewed over rotor
Airflow Direction: Exhaust over struts
Motor Protection: Reverse Polarity, Locked Rotor Protection
Insulation Class: E
Approvals: VDE, CSA, UL, CE

Designed for precision cooling, the 624/39HHPR is frequently integrated into compact industrial electronics and automation control systems. Its high static pressure capabilities make it ideal for forced convection in densely packed server racks, telecommunications switching equipment, and medical diagnostic devices where space is at a premium. The 624/39HHPR is also utilized in CNC machinery control panels and variable frequency drives (VFDs), ensuring critical components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images

