



624/39HHP ebmpapst

Brand: ebmpapst

SKU: 624/39HHP

Category: DC Fans

URL: <https://www.fansco.com/item/624-39hhp-ebmpapst/>

Contact: sales@fansco.com

Product Description

624/39HHP ebmpapst 60x25mm 24VDC 3.7W 0.117A 56m³/h 8200RPM 43dB(A)
4 Wire Leads DC axial fan

The 624/39HHP DC axial fan by ebm-papst is designed with clockwise rotation (viewed from the rotor) and airflow discharged over struts, featuring ball bearings for flexible arbitrary shaft mounting orientations; it measures 60.0 mm × 60.0 mm × 25.0 mm, weighs 0.070 kg, and utilizes plastic for both its housing and impeller, with mounting requirements specifying 10 N·cm torque at the wire outlet corner and 20 N·cm at other corners using ISO 4762-M3 screws (degreased, without additional braces or washers), and is connected via a 310 mm ±10 mm AWG 24 four-core cable (color-coded as red for +UB, blue for - GND, violet for PWM, and white for Alarm). Electrically, it supports a 21–28 kHz PWM control interface (open-collector/TTL input) requiring ≥20% duty cycle for startup, 10–100% for normal operation, and <1% for shutdown, with reverse polarity protection limiting residual current to ≤10 mA and electronic locked-rotor protection enabling automatic restart (locked-rotor current ~700 mA, valid at ≤24 VDC and ≤70°C). Aerodynamically, it delivers a maximum free-air flow of 56.0 m³/h, peak static pressure of 145 Pa, and an optimal operating point at 40.0 m³/h @ 51 Pa, with acoustic performance including 43.0 dB(A) sound pressure level at free-air flow and 5.6 bel(A) sound power level at the optimal point. Engineered for operation in -20°C to 70°C environments (storage range -40°C to 80°C), it is suitable for Pollution Degree 1 (dry, non-conductive conditions) and avoids direct water exposure, holding certifications such as CE, UL507, VDE, and CSA. In terms of reliability, its L10 life is rated at 65,000 hours at 40°C (32,500 hours at 70°C) and 110,000 hours per IPC 9591 standards, with the note that locked-rotor protection is inoperative under overvoltage or extreme temperatures, and actual performance is installation-dependent.

Technical Specifications

| Attribute | Value |
|--------------|--------------|
| Model Number | 624/39HHP |
| Manufacturer | ebm-papst |
| Fan Type | DC |
| Bearing Type | Ball Bearing |
| Dimensions | 60x25 mm |

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|----------------|----------------------|
| Voltage Rating | 24 VDC |
| Power Rating | 3.7 W |
| Current Rating | 0.117 A |
| Fan Speed | 8200 RPM |
| Noise Level | 43 dB(A) |
| Termination | Leads |
| Category | Axial |
| Series | 624 |
| RoHS Status | ROHS3 Compliant |
| Air Flow CMH | 56 m ³ /h |
| Termination | 4 Wire Leads |
| Subcategory | DC axial compact fan |

