

# 4414HT-197 ebm-papst 24VDC 119x119x38mm High Temp Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** [679779948033](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$192.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

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Product Page:

<https://www.equipspares.com/product/4414ht-197-ebm-papst-24vdc-119x119x38mm-high-temp-axial-fan>

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## Product Description

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The ebm-papst 4414HT-197 is a robust Axial Fan engineered for demanding thermal environments requiring sustained operational stability. Utilizing advanced DC motor technology coupled with a precision ball bearing architecture, this unit minimizes thermal impedance while maintaining high aerodynamic efficiency. The housing is constructed to ensure structural rigidity under thermal stress, making it ideal for high-temperature applications. Its design optimizes airflow delivery against static pressure, ensuring reliable heat dissipation in critical industrial systems where component longevity and performance consistency are paramount. The fan features sophisticated commutation electronics to ensure smooth operation and reduced electromagnetic interference.

Model Number: 4414HT-197

Brand: ebm-papst

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Rated Current: 0.38 A

Power Input: 9.0 W

Rated Speed: 4500 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 108.3 CFM (184 m<sup>3</sup>/h / 3.06 m<sup>3</sup>/min)

Max. Static Pressure: 0.56 inH<sub>2</sub>O (140 Pa)

Dimensions: 119 x 119 x 38 mm

Weight: 0.27 kg

Life Expectancy: 70,000 Hours (40°C)

Noise Level: 50 dB(A)

Housing Material: Fiberglass-reinforced PBT plastic

Impeller Material: Fiberglass-reinforced PA plastic

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +80°C

Termination: 2 Wire Leads

Ingress Protection: IP20

Insulation Class: Class E

Direction of Rotation: Clockwise looking at rotor

Airflow Direction: Air exhaust over struts

Approvals: UL, CSA, VDE

Designed for rigorous thermal management, the 4414HT-197 excels in environments such as commercial ovens, industrial heating equipment, and high-density server racks. The 4414HT-197 provides consistent airflow necessary for maintaining equilibrium in CNC machinery and telecommunications cabinets, ensuring sensitive electronics remain within safe operating limits despite elevated ambient temperatures.