# ACi4420H ebmpapst 230VAC 119x119x38mm Axial Fan Datasheet


**Brand:** ebmpapst

**SKU:** 645484261194

**Category:** Axial & Centrifugal Fans

**Price:** **$44.99**

**E-mail:** sales@equipspares.com

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

Product Page:
https://www.equipspares.com/product/aci4420h-ebmpapst-230vac-119x119x38mm-axial-fan

## Product Description

The ebmpapst ACi4420H is a high-efficiency Axial Fan utilizing advanced GreenTech EC motor technology to operate directly from AC mains while delivering DC-level efficiency. This unit features a fully integrated commutation electronics package within a compact 119mm frame, significantly reducing power consumption compared to conventional shaded-pole AC motors. Constructed with fiberglass-reinforced plastic (PBT) for the impeller and housing, it ensures structural rigidity and corrosion resistance. The aerodynamic blade design optimizes airflow while minimizing acoustic noise, and the maintenance-free ball bearing system ensures long-term reliability and stable thermal impedance in demanding industrial environments.

Model Number: ACi 4420 H
Brand: ebm-papst
Product Type: Axial Fan
Motor Technology: GreenTech EC Motor
Rated Voltage: 230 VAC
Voltage Range: 195 - 265 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.027 A
Power Consumption: 3.2 W
Rated Speed: 3300 RPM

Bearing Type: Ball Bearing
Max. Air Flow: 94.1 CFM (160 $m^3/h$)
Max. Static Pressure: 6.02 $mmH_2O$ (59 Pa / 0.24 $inH_2O$)
Noise Level: 39 dB(A)
Dimensions: 119 x 119 x 38 mm
Weight: 0.25 kg
Housing Material: Fiberglass-reinforced PBT Plastic
Impeller Material: Fiberglass-reinforced PA Plastic
Operating Temperature: -20 to +75 °C
Storage Temperature: -40 to +80 °C
Life Expectancy (L10 at 40°C): 65,000 Hours
Life Expectancy (L10 at max temp): 25,000 Hours
Termination: 2 Flat Plugs 2.8 x 0.5 mm
Ingress Protection: IP20
Insulation Class: Class B
Direction of Rotation: Clockwise, viewed toward rotor
Approvals: VDE, CSA, UL, CE

The ACi4420H is engineered for critical thermal management in diverse industrial and commercial applications. Its high efficiency makes it ideal for continuous operation in server racks, telecommunications cabinets, and control panel ventilation where energy conservation is paramount. The ACi4420H is also frequently utilized in medical devices, refrigeration units, and compact power supply cooling, providing consistent airflow to prevent component overheating. The robust design ensures the ACi4420H maintains performance in automation equipment and HVAC auxiliary systems.

## Supplemental Images