

A4E450-AU03-01 ebm-papst 230VAC 450mm IP54 Axial Fan Datasheet



Brand: ebmpapst

SKU: 956837995292

Category: Axial & Centrifugal Fans

Price: \$680.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/a4e450-au03-01-ebm-papst-230vac-450mm-ip54-axial-fan>

Product Description

The ebm-papst A4E450-AU03-01 is a high-efficiency AC axial fan engineered for demanding industrial thermal management and HVAC applications. Featuring a robust external rotor motor design, this unit optimizes aerodynamic throughput while maintaining exceptional structural rigidity under continuous operation. The fan utilizes advanced blade geometry to minimize turbulence and acoustic resonance, ensuring stable airflow delivery even against significant back pressure. Its construction incorporates durable materials designed to withstand environmental stressors, offering low thermal impedance and reliable performance in complex ventilation systems requiring precise air movement control.

Model Number: A4E450-AU03-01

Brand: ebm-papst

Product Type: AC Axial Fan

Rated Voltage: 230VAC

Frequency: 50/60Hz

Rated Current: 1.55/1.87A

Power Consumption: 350/425W

Rated Speed: 1300/1490RPM

Max. Airflow: 3380 CFM (5740 m³/h)

Max. Static Pressure: 0.56 inH₂O (140 Pa)

Blade Diameter: 450mm

IP Rating: IP54

Motor Type: M4E094-HA AC External Rotor

Bearing Type: Ball Bearing

Blade Material: Sheet Steel (Coated Black)

Guard Grille Material: Phosphated Steel (Coated Black)

Number of Blades: 5

Insulation Class: F

Capacitor: 10 μ F / 400VDB

Operating Temperature: -40°C to +65°C

Mounting Orientation: Any

Weight: 6.5kg

Compliance: CE, CCC, EAC

This cooling solution is widely integrated into industrial HVAC systems, specifically serving as a critical component in Schneider air conditioning units. The A4E450-AU03-01 ensures optimal thermal regulation in large-scale condensers and evaporators, preventing system overheating during peak load cycles. Additionally, the A4E450-AU03-01 is suitable for ventilation in manufacturing facilities, heat exchangers, and power converter cooling, where consistent air volume and ingress protection against dust and moisture are mandatory for operational continuity.

Supplemental Images

