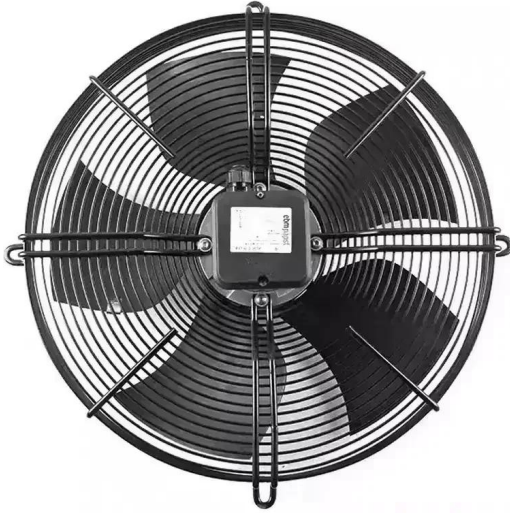


A4D450-AU01-01 ebmpapst 400VAC 450mm IP54 Axial Fan Datasheet



Brand: ebmpapst

SKU: 985591303828

Category: Axial & Centrifugal Fans

Price: **\$634.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/a4d450-au01-01-ebmpapst-400vac-450mm-ip54-axial-fan>

Product Description

The ebmpapst A4D450-AU01-01 is a robust AC axial fan engineered for demanding industrial thermal management. Utilizing a high-efficiency 3-phase external rotor motor, this unit delivers superior aerodynamic performance with optimized blade geometry designed to minimize turbulence and acoustic noise. The construction features a durable coated steel impeller and a rugged housing that ensures structural rigidity under continuous operation. With an IP54 ingress protection rating, the A4D450-AU01-01 maintains low thermal impedance in harsh environments, making it an ideal solution for condenser cooling and ventilation systems requiring reliable long-term duty cycles.

Model Number: A4D450-AU01-01

Brand: ebmpapst

Product Type: AC Axial Fan

Rated Voltage: 400 VAC

Frequency: 50/60 Hz

Phase: 3-Phase

Motor Type: M4D094-EA

Blade Diameter: 450 mm

Rated Speed: 1350 RPM

Power Consumption: 180 W

Current Draw: 0.48 A

Max. Air Flow: 3196 CFM (5430 m³/h / 90.5 m³/min)
Max. Static Pressure: 0.28 inH₂O (70 Pa)
Bearing Type: Ball Bearing
Noise Level: 71 dB(A)
Impeller Material: Sheet steel, coated black
Number of Blades: 5
Direction of Rotation: Clockwise, seen on rotor
Direction of Air Flow: V (Suction over struts)
Insulation Class: F
Ingress Protection: IP54
Operating Temperature: -40°C to +80°C
Motor Protection: Thermal overload protector (TOP) wired internally
Weight: 7.5 kg
Compliance: CE, CCC
Mounting: Terminal box

Designed specifically for high-capacity heat exchange, the A4D450-AU01-01 excels in industrial refrigeration and HVAC systems. Its primary deployment is within large-scale condenser units and evaporators where consistent airflow is critical for maintaining system efficiency. The A4D450-AU01-01 is also frequently utilized in ventilation systems for manufacturing facilities, transformer cooling, and heavy-duty electronic cabinet cooling, providing reliable thermal regulation in environments subject to dust and moisture.

Supplemental Images

