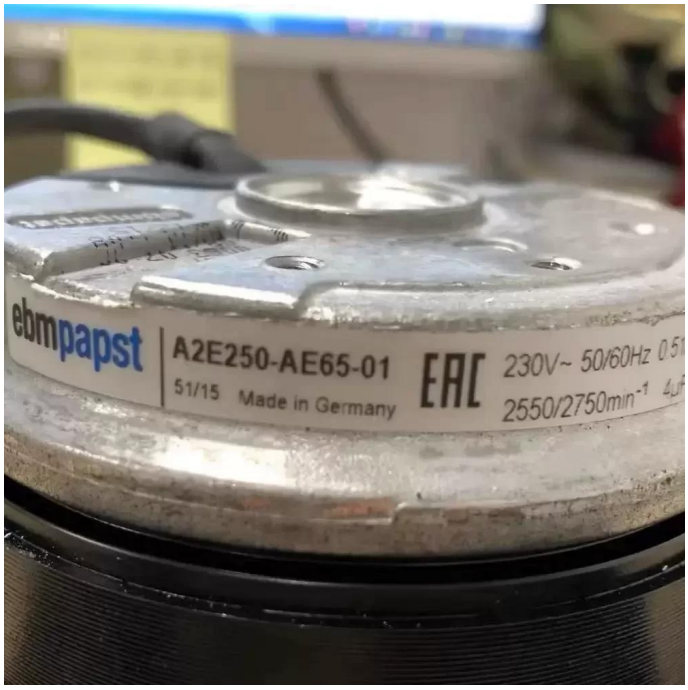
# A2E250-AE65-01 ebm-papst 230VAC 250mm Axial Fan Datasheet




**Brand:** ebmpapst

**SKU:** 1016843061954

**Category:** Axial & Centrifugal Fans

**Price:** **$364.99**

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

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Product Page: https://www.equipspares.com/product/a2e250-ae65-01-ebm-papst-230vac-250mm-axial-fan

## Product Description

The ebm-papst A2E250-AE65-01 is a robust AC Axial Fan engineered for high-demand industrial cooling applications requiring superior aerodynamic efficiency and thermal management. This unit features an advanced external rotor motor integrated directly into the impeller, optimizing structural rigidity and reducing overall depth. Constructed with seven sickle-shaped blades made from sheet steel and coated in black, the fan ensures low noise generation while maintaining high air performance. The motor utilizes maintenance-free ball bearings to minimize friction and extend operational lifespan, while the IP44 ingress protection rating safeguards against solid objects and water splashes. Internal thermal overload protection ensures system reliability under continuous load, making it suitable for rigorous duty cycles.

Model Number: A2E250-AE65-01
Brand: ebm-papst
Product Type: AC Axial Fan
Rated Voltage: 230 VAC
Frequency: 50 / 60 Hz
Rated Speed: 2550 / 2750 RPM
Power Consumption: 115 / 160 W
Current Draw: 0.51 / 0.70 A
Max. Air Flow: 623.8 CFM (1060 $m^3/h$)
Max. Static Pressure: 100 Pa (0.40 $inH_2O$)

Bearing Type: Ball Bearing
Blade Diameter: 250 mm
Weight: 2.0 kg
Capacitor: 3 µF / 400 VDB
Motor Protection: Thermal Overload Protector (TOP) wired internally
Insulation Class: F
Ingress Protection: IP44
Blade Material: Sheet steel, coated in black
Number of Blades: 7
Direction of Rotation: Counter-clockwise (seen on rotor)
Airflow Direction: V (over struts)
Operating Temperature: -40 to +80 °C
Mounting Position: Any
Compliance: CE, CCC, EAC
Cable Exit: Variable

The A2E250-AE65-01 is frequently deployed in critical ventilation systems where space and reliability are paramount, such as in control cabinet cooling and heat exchanger assemblies. Its robust steel construction makes it ideal for industrial machinery and refrigeration units requiring consistent airflow over extended periods. Engineers often specify the A2E250-AE65-01 for condenser cooling in HVAC systems and transformer cooling in power distribution networks, ensuring optimal thermal regulation in harsh environments.

## Supplemental Images