

S4E350-AQ02-12 ebm-papst 230VAC 350mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 920364486115

Category: Axial & Centrifugal Fans

Price: **\$514.99**

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Product Page: <https://www.equipspares.com/product/s4e350-aq02-12-ebm-papst-230vac-350mm-axial-fan>

Product Description

The ebm-papst S4E350-AQ02-12 is a robust industrial axial fan engineered for high-efficiency thermal management in demanding environments. This unit utilizes an external rotor motor design, integrating the motor directly into the impeller hub to optimize compactness and aerodynamic performance. Featuring ebm-papst's advanced HyBlade technology, the impeller is constructed from a composite of aluminum and plastic, significantly reducing noise emissions while maintaining structural rigidity under high static pressure loads. The motor is equipped with maintenance-free ball bearings, ensuring long-term reliability and reduced thermal impedance during continuous operation. Designed for single-phase AC applications, the S4E350-AQ02-12 incorporates a thermal overload protector (TOP) wired internally, providing critical protection against overheating and ensuring operational safety in complex industrial systems.

Model Number: S4E350-AQ02-12

Brand: ebm-papst

Product Type: Axial Fan

Motor Type: M4E074-DF

Phase: 1~

Rated Voltage: 230 VAC

Frequency: 50 / 60 Hz

Rated Speed: 1340 / 1590 RPM

Power Consumption: 165 / 225 W

Current Draw: 0.73 / 0.99 A

Capacitor: 4 μ F / 400 VDB

Max. Air Flow: Approx. 2160 m³/h (at 0 Pa)

Max. Static Pressure: Approx. 110 Pa

Impeller Diameter: 350 mm

Bearing Type: Ball Bearing

Direction of Rotation: Clockwise, viewed toward rotor

Blade Material: Sheet steel (press-fitted), PP plastic

Number of Blades: 5

Insulation Class: F

Motor Protection: Thermal Overload Protector (TOP) wired internally

Ingress Protection: IP44

Operating Temperature: -25°C to +60°C

Weight: 4.5 kg

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

Condensate Discharge Holes: Rotor-side

Touch Current: < 0.75 mA

Approval: CE, CCC, EAC

The S4E350-AQ02-12 is specifically designed for ventilation and cooling applications requiring substantial airflow with moderate back pressure. Common deployment scenarios include condenser units in refrigeration systems, heat pumps, and large-scale ventilation ducts where the S4E350-AQ02-12 ensures consistent heat dissipation. It is also frequently utilized in industrial control cabinet cooling and transformer cooling arrays. The rugged construction of the S4E350-AQ02-12 makes it suitable for agricultural ventilation and general facility air exchange systems where reliability is paramount.

Supplemental Images

