



R2E220-AB06-05 ebmpapst

Brand: ebmpapst

SKU: R2E220-AB06-05

Category: AC Fans

URL: <https://www.fansco.com/item/r2e220-ab06-05-ebmpapst/>

Contact: sales@fansco.com

Product Description

R2E220-AB06-05 ebmpapst 3050RPM 50/60Hz 75dB(A) 230VAC IP44 AC centrifugal fan.

The ebm-papst R2E220-AB06-05 is an AC centrifugal fan with backward-curved blades and a single inlet. It is driven by an integrated AC motor (specifically, motor type M2E068-CF).

Key Specifications and Features:

- Type: AC Centrifugal Fan, backward-curved, single inlet
- Motor: M2E068-CF (AC Motorized Impeller)
- Nominal Voltage: 230 VAC
- Dimensions: Approximately 220 mm in diameter and 71-73 mm in depth.
- Power Rating: 115 W
- Current: Specific current draw is not consistently available in the snippets but is related to the power rating and voltage.
- Frequency: Operates at 50 Hz (as indicated by airflow curves in some datasheets).
- Airflow: While specific maximum airflow values vary slightly across sources (e.g., 885 m³/h), datasheets typically include detailed airflow vs. static pressure curves.
- Static Pressure: Performance curves illustrate the static pressure capabilities.
- Bearing Type: Ball bearing
- Impeller Material: Glass-fiber reinforced PA plastic. It has 11 blades.
- Rotor Surface: Coated in black.
- Housing Material: One source mentions plastic housing, while others focus on the impeller and rotor materials.
- Weight: Approximately 1.75 kg (one source indicated 1.0 kg, but 1.75 kg appears more frequent in datasheet snippets).
- Direction of Rotation: Clockwise, viewed on the rotor.
- Mounting Position: Shaft horizontal or rotor on the bottom; rotor on top on request.
- Operating Temperature: Typically specified as -20 to 65°C or 0 to 45°C depending on the specific source or operating mode. Storage Temperature: -40 to +80°C.
- Motor Protection: Features an internally wired Thermal Overload Protector

(TOP).

- Insulation Class: "B"
- Humidity Class: F1-2
- Protection Class: IP 44 (depending on installation and position as per EN 60034-5).
- Leakage Current: < 0.75 mA.
- Operation Mode: S1.
- Termination: Typically has connection lines, with some datasheets showing lead tips.
- Noise Level: Specific dB(A) values are not uniformly provided in the snippets, but performance data would include this.
- Approvals: CE, EN 60335-1, CCC, GOST.

Typical Applications:

As an AC centrifugal fan, the R2E220-AB06-05 is commonly used in applications requiring significant airflow against static pressure, such as:

- Ventilation systems
- Air conditioning units
- Electronic cabinet cooling
- Industrial machinery
- Heating equipment

The fan's robust construction, integrated motor, and multiple certifications make it a reliable component for professional ventilation and cooling tasks. Note that an inlet ring (part number 09609-2-4013) is not typically included in the standard scope of delivery.

Technical Specifications

Attribute	Value
Part Number	R2E220-AB06-05
Manufacturer	ebm-papst
Bearing Type	Ball Bearing
Dimensions	220x73.50 mm
Fan Speed	3050 RPM
Fan Type	AC

Frequency	50/60 Hz
Noise Level	75 dB(A)
Power Rating	115 W
Voltage Rating	230 VAC
IP Rating	IP44
Approval Agency	CCC; EAC
Weight	1.8 kg
Subcategory	Blowers & Centrifugal Fans





