

# R4E400-AB23-05 ebmpapst 230V 400mm AC Centrifugal Fan

**SKU:** R4E400-AB23-05

**Price:** \$471.54

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r4e400-ab23-05-ebmpapst-230v-400mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R4E400-AB23-05 is a high-performance 230VAC single-phase AC Centrifugal Fan featuring 6 backward-curved blades with an Impeller Size of 400 mm and overall Dimensions of 404 x 404 x 162 mm. Specifically engineered for mission-critical industrial ventilation and air handling units, this unit is driven by the M4E074-EI external rotor motor with maintenance-free ball bearings and an 8.0  $\mu$ F / 400 VDB (P0 CE) capacitor connection. Operating on a 230 VAC 50 Hz supply, it delivers a Power Input of 270 W and a Current Draw of 1.2 A at a rated speed of 1300 RPM under running at free air (fa) conditions. Featuring a rugged aluminum sheet impeller joined by tabs and a black coated rotor surface, it ensures superior thermal management with IP44 protection, F1-2 humidity class, and an extended service life in continuous S1 environments at the end.

R4E400-AB23-05 Fan Parameters

Model Number: R4E400-AB23-05

Motor Model: M4E074-EI

Manufacturer: ebmpapst

Type: AC Centrifugal Fan - Backward-curved

Impeller Size: 400 mm

Dimensions: 404 x 404 x 162 mm

Weight: 5.1 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 VAC

Phase: 1~

Frequency: 50 Hz

Method of Obtaining Data: fa (Running at free air)

Current Draw: 1.2 A  
Power Input: 270 W  
Rated Speed: 1300 RPM  
Max. Air Flow: 1971.8 CFM (3350.0 m<sup>3</sup>/h / 55.83 m<sup>3</sup>/min)  
Max. Static Pressure: 0.0 Pa (at fa condition)  
Capacitor: 8.0 µF / 400 VDB  
Capacitor Standard: P0 (CE)  
Number of Blades: 6  
Impeller Material: Aluminum sheet, joined by tabs  
Rotor Surface: Coated in black  
Direction of Rotation: Clockwise (viewed toward rotor)  
Insulation Class: "F"  
Degree of Protection: IP44  
Humidity Class: F1-2  
Touch Current: < 0.75 mA  
Motor Protection: Thermal overload protector (TOP) wired internally  
Condensate Discharge Holes: None  
Installation Position: Any  
Mode: S1  
Protection Class: I  
Max. Ambient Temperature: 45 °C  
Min. Ambient Temperature: -25 °C  
Max. Storage Temperature: +80 °C  
Min. Storage Temperature: -40 °C  
Standard Compliance: EN 60335-1; CE  
Approval: CCC; EAC

#### Application

The ebmpapst R4E400-AB23-05 fan is the primary cooling component for industrial air handling units, large-scale ventilation systems, and specialized fume extraction requiring high-static 230V 50Hz single-phase centrifugal airflow with a 404mm backward-curved aluminum impeller.

## Product Images

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Scan for product details:

