

# R4D355-AH11-09 ebmpapst 230/400V AC Centrifugal Fan

**SKU:** R4D355-AH11-09

**Price:** \$394.72

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r4d355-ah11-09-ebmpapst-230-400v-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R4D355-AH11-09 is a powerful AC centrifugal fan with an external rotor motor, measuring Ø355mm in size. This 3-phase fan is designed for operation at both 230VAC (Delta connection) and 400VAC (Y connection) across 50Hz and 60Hz frequencies. Across these operating points, the fan achieves speeds of 1400 to 1600RPM, with power consumption ranging from 170W to 235W, and current draw between 0.50A and 0.90A. It features ball bearings and has an impeller made of laser-welded aluminium sheet, with 6 blades and a coated black rotor surface. The R4D355-AH11-09 boasts an IP44 type of protection, insulation class "F", and Humidity class F1-2, with a thermal overload protector (TOP) brought out and variable cable exit. Operating in S1 mode, it conforms to EN 60335-1 and CE standards, holding CCC approval. The fan's ambient operating temperature ranges from -25°C up to 70°C (depending on frequency), with transport/storage temperatures between -40°C and +80°C. Its mounting position can be shaft horizontal or rotor on bottom (rotor on top on request), and it features rotor-side condensate drainage holes. This fan is suitable for industrial refrigeration and freezing equipment, ventilation systems, air conditioning units, and heat pumps.

R4D355-AH11-09 Fan Parameters

Model: R4D355-AH11-09

Manufacturer: ebmpapst

Type: AC centrifugal fan

Motor: M4D074-EI

Dimensions (Size): Ø 355 mm

Phase: 3~

Nominal Voltage: 230 / 400 V AC

Connection: Delta (230V), Y (400V)

Frequency: 50/60 Hz  
Rated Current (230V / 50 Hz): 0.90 A  
Rated Current (230V / 60 Hz): 0.87 A  
Rated Current (400V / 50 Hz): 0.52 A  
Rated Current (400V / 60 Hz): 0.50 A  
Power Consumption (230V / 50 Hz): 170 W  
Power Consumption (230V / 60 Hz): 235 W  
Power Consumption (400V / 50 Hz): 170 W  
Power Consumption (400V / 60 Hz): 235 W  
Speed (230V / 50 Hz): 1400 RPM  
Speed (230V / 60 Hz): 1600 RPM  
Speed (400V / 50 Hz): 1400 RPM  
Speed (400V / 60 Hz): 1600 RPM  
Min. back pressure: 0 Pa  
Starting current (230V / 50 Hz): 2.6 A  
Starting current (230V / 60 Hz): 2.55 A  
Starting current (400V / 50 Hz): 1.5 A  
Starting current (400V / 60 Hz): 1.45 A  
Surface of rotor: Coated in black  
Material of impeller: Aluminium sheet, laser-welded  
Number of blades: 6  
Direction of rotation: Clockwise, seen on rotor  
Type of protection: IP 44  
Insulation class: "F"  
Humidity class: F1-2  
Min. ambient temperature: -25 °C  
Max. ambient temperature (50 Hz): 70 °C  
Max. ambient temperature (60 Hz): 65 °C  
Max. permissible ambient motor temp. (transp./storage): +80 °C  
Min. permissible ambient motor temp. (transp./storage): -40 °C  
Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request  
Condensate drainage holes: Rotor-side  
Operation mode: S1  
Motor bearing: Ball bearing  
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system): < 0.75 mA  
Motor protection: Thermal overload protector (TOP) brought out  
Cable exit: Variable  
Protection class: I (if protective earth is connected by customer)  
Product conforming to standard: EN 60335-1; CE  
Approval: CCC  
Weight: 4.9 kg  
Application: Industrial refrigeration and freezing equipment, ventilation systems, air

conditioning units, and heat pumps.

## **Product Images**

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Scan for product details:

