

# R4D630-RB15-01 ebmpapst 230/400V 630mm AC Centrifugal Fan

**SKU:** R4D630-RB15-01

**Price:** \$1,323.65

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/r4d630-rb15-01-ebmpapst-230-400v-630mm-ac-centrifugal-fan/>

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## Product Description

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The ebmpapst R4D630-RB15-01 is a high-performance 230/400 VAC AC Centrifugal Fan with an impeller size of 630 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust three-phase M4D138-LA external rotor motor with a high power consumption of 3570.0 W and a nominal current of 6.63 A at 400 VAC, this precision unit operates at a rated speed of 1345 RPM, delivering a massive airflow for efficient heat extraction. Constructed with a 6-blade PP plastic impeller system featuring backward-curved blades, high-precision ball bearings, and a lateral cable exit with thermal overload protection brought out, this 28.0 kg unit provides a dependable and energy-efficient air-moving solution with IP20 protection and Class F insulation, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

R4D630-RB15-01 Fan Parameters

Model Number: R4D630-RB15-01

Manufacturer: ebmpapst

Motor Model: M4D138-LA

Series: R4D 630 Series

Type: AC Centrifugal Fan

Impeller Size: 630 mm

Weight: 28.0 kg

Bearing Type: Ball bearing

Nominal Voltage: 230 / 400 VAC (3-phase)

Wiring:  $\Delta$  / Y connection

Frequency: 50 Hz

Power Consumption: 3570.0 W  
Nominal Current: 11.5 A (230V) / 6.63 A (400V)  
Starting Current: 39.0 A (230V) / 22.5 A (400V)  
Speed: 1345 RPM  
Maximum Safe Speed: 1400 RPM  
Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)  
Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)  
Actual Air Flow: 14500.0 m<sup>3</sup>/h (Typical at 50Hz)  
Actual Static Pressure: 750.0 Pa (Typical at 50Hz)  
Motor Protection: Thermal overload protector (TOP) brought out  
Insulation Class: Class F  
Humidity Class: F0  
Electrical Hookup: Cable exit, lateral  
Number of Blades: 6  
Direction of Rotation: Clockwise, viewed toward rotor  
Impeller Material: PP plastic  
Rotor Surface: Cast in aluminium  
Installation Position: Any  
Operating Temperature: -40 - +40 °C  
Storage Temperature: -40 - +80 °C  
Degree of Protection: IP20  
Standard Compliance: EN 60335-1; EN 61800-5-1  
Approval Agency: EAC; VDE

#### Application

The ebmpapst R4D630-RB15-01 AC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems.

## **Product Images**

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Scan for product details:

