

# R4D630-RB17-XB EBM-Papst 400VAC 630mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [843442353847](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$1,167.99**

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Product Page:

<https://www.equipspares.com/product/r4d630-rb17-xb-ebm-papst-400vac-630mm-centrifugal-fan>

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## Product Description

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The EBM-Papst R4D630-RB17-XB is a robust backward curved centrifugal fan engineered for high-capacity industrial ventilation systems. This motorized impeller integrates a high-efficiency 3-phase AC induction motor, model M4D138-LA, designed to deliver superior aerodynamic performance with minimal thermal impedance. Constructed with a durable aluminum sheet impeller, the unit ensures structural rigidity under high-stress continuous operation. The design optimizes airflow dynamics to reduce turbulence while maintaining substantial static pressure capabilities. Featuring maintenance-free ball bearings and Class F insulation, this fan provides reliable thermal management and longevity in demanding environments requiring precise air movement and effective heat dissipation.

Model Number: R4D630-RB17-XB

Brand: EBM-Papst

Product Type: Backward Curved Centrifugal Fan

Motor Type: M4D138-LA (AC Induction)

Rated Voltage: 400 VAC

Phase: 3-Phase

Frequency: 50 / 60 Hz

Connection: Delta / Star

Rated Current: 5.20 A / 3.00 A

Power Consumption: 2890 W

Rated Speed: 1330 RPM  
Max. Air Flow: 9888 CFM (16800 m<sup>3</sup>/h / 280 m<sup>3</sup>/min)  
Max. Static Pressure: 91.77 mmH<sub>2</sub>O (900 Pa / 3.61 inH<sub>2</sub>O)  
Impeller Diameter: 630mm  
Bearing Type: Ball Bearing  
Impeller Material: Sheet Aluminum  
Rotor Surface: Cast Aluminum  
Ingress Protection: IP54  
Insulation Class: F  
Motor Protection: Thermal Overload Protector (TOP)  
Operating Temperature: -40°C to +60°C  
Storage Temperature: -40°C to +80°C  
Weight: 32.5 kg  
Compliance: CE, CCC  
Direction of Rotation: Clockwise (viewed toward rotor)  
Number of Blades: 7  
Capacitor: None (3-Phase)  
Mounting Position: Shaft horizontal or rotor on bottom  
Leakage Current: < 3.5 mA

The R4D630-RB17-XB is specifically engineered for large-scale industrial applications such as central air handling units, rooftop ventilation systems, and industrial process cooling. Its high-pressure capabilities make the R4D630-RB17-XB ideal for filtration systems, clean room technology, and heat exchangers where overcoming significant system resistance is critical. Additionally, this model serves effectively in railway technology and transformer cooling, ensuring consistent airflow in variable operational conditions.

## Supplemental Images

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