

# R2E190-RB06-13 ebm-papst 230VAC 190mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [855648446823](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$900.99**

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Product Page:

<https://www.equipspares.com/product/r2e190-rb06-13-ebm-papst-230vac-190mm-centrifugal-fan>

## Product Description

The ebm-papst R2E190-RB06-13 is a precision-engineered AC centrifugal fan designed for high-efficiency thermal management in industrial applications. Featuring the robust M2E068-CF motor, this 190mm motorized impeller utilizes a single-phase external rotor design to deliver superior aerodynamic performance. The unit is constructed with a high-grade PA plastic impeller comprising 7 blades, optimized to minimize noise while maintaining structural rigidity under high-speed operation. Equipped with maintenance-free ball bearings and an integrated Thermal Overload Protector (TOP), this fan ensures reliable continuous operation (S1 mode) and optimal thermal impedance. Its IP44 ingress protection rating and Class B insulation further enhance durability in demanding environments.

Model Number: R2E190-RB06-13

Brand: ebm-papst

Product Type: Motorized Impeller / Centrifugal Fan

Motor: M2E068-CF

Rated Voltage: 230 VAC

Frequency: 60 Hz

Phase: 1~

Rated Current: 0.50 A

Power Consumption: 117 W

Rated Speed: 3150 RPM  
Capacitor: 3  $\mu$ F / 400 VDB  
Starting Current: 0.87 A  
Fan Size: 190 mm  
Weight: 1.7 kg  
Bearing Type: Ball bearing  
Impeller Material: PA plastic  
Number of Blades: 7  
Rotor Surface: Painted black  
Direction of Rotation: Clockwise, viewed toward rotor  
Degree of Protection: IP44  
Insulation Class: B  
Moisture Protection: H0+  
Operating Temperature: -25 °C to +60 °C  
Storage Temperature: -40 °C to +80 °C  
Installation Position: Shaft horizontal or rotor on bottom  
Condensation Drainage: On rotor side  
Mode of Operation: S1 (Continuous)  
Touch Current: < 0.75 mA  
Motor Protection: Thermal overload protector (TOP) internally connected  
Protection Class: I  
Approvals: CE; UL 2111; CSA C22.2 No. 77; CCC

The R2E190-RB06-13 is engineered for critical cooling applications requiring compact yet powerful airflow solutions, such as telecommunications cabinets, control panel ventilation, and industrial automation systems. Its robust design makes it suitable for medical device cooling and electronic component heat dissipation where reliability is paramount. Integrators frequently select the R2E190-RB06-13 for retrofitting existing HVAC equipment or for OEM installation in server racks, ensuring consistent thermal regulation across variable operating conditions.