

# R2D190-AC08-10 ebm-papst 400VAC 190mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** [664673036286](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$192.99**

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Product Page:

<https://www.equipspares.com/product/r2d190-ac08-10-ebm-papst-400vac-190mm-centrifugal-fan>

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## Product Description

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The ebm-papst R2D190-AC08-10 is a high-efficiency backward-curved centrifugal fan engineered for demanding industrial cooling applications. This unit utilizes a robust 3-phase AC external rotor motor design, ensuring superior thermal management and operational longevity. The aerodynamic profile of the impeller is optimized to deliver high airflow while maintaining significant static pressure capabilities, making it ideal for overcoming high system impedance. Constructed with precision-balanced components, the fan minimizes vibration and acoustic noise, while its ball bearing architecture supports continuous duty cycles under varying thermal loads. The structural rigidity of the housing and impeller ensures reliability in harsh environments, providing consistent cooling performance critical for sensitive electronics and automation controllers.

Model Number: R2D190-AC08-10

Brand: ebm-papst

Product Type: Backward Curved Centrifugal Fan

Motor Type: M2D068-BC

Rated Voltage: 400 VAC (3-Phase / Star Connection)

Frequency: 50 / 60 Hz

Rated Current: 0.14 A (50Hz) / 0.13 A (60Hz)

Power Consumption: 58 W (50Hz) / 75 W (60Hz)

Rated Speed: 2700 RPM (50Hz) / 3050 RPM (60Hz)

Max. Air Flow: 570 m<sup>3</sup>/h (335.5 CFM)

Max. Static Pressure: Approx. 380 Pa

Impeller Diameter: 190 mm

Bearing Type: Ball Bearing

Weight: 1.3 kg

Material Impeller: Plastic PA6, fiberglass-reinforced

Direction of Rotation: Clockwise, seen on rotor

Insulation Class: B

Ingress Protection: IP44

Motor Protection: Thermal overload protector (TOP) wired internally

Operating Temperature: -25°C to +65°C

Mounting Position: Shaft horizontal or rotor on bottom; rotor on top on request

Condensate Discharge Holes: None

Cable Exit: Variable

Certifications: CE, CCC

The R2D190-AC08-10 is specifically designed for critical thermal regulation within industrial automation systems, most notably serving as a replacement cooling component for Kuka KRC2 robot controllers. Its high-pressure capabilities make it suitable for densely packed electronic cabinets where airflow resistance is significant. Beyond robotics, the R2D190-AC08-10 is frequently deployed in telecommunications infrastructure, variable frequency drive (VFD) cooling, and large-scale power supply units. The reliability of the R2D190-AC08-10 ensures that mission-critical machinery maintains optimal operating temperatures, preventing thermal shutdowns in continuous manufacturing processes.

## Supplemental Images

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