



## R2E190-RA26-05 ebmpapst

Brand: ebmpapst

SKU: R2E190-RA26-05

Category: AC Fans

URL: <https://www.fansco.com/item/r2e190-ra26-05-ebmpapst/>

Contact: [sales@fansco.com](mailto:sales@fansco.com)

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## Product Description

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R2E190-RA26-05 ebmpapst 230VAC 190x68.50mm Ball 65W 2500RPM IP44 4 Wire Leads with Splice Terminals Motorized Impellers Thermal Overload Protector (TOP) AC Fan

The R2E190-RA26-05 is a single-phase AC centrifugal fan by ebm-papst, designed with a backward-curved, single-intake RadiCal impeller for efficient air movement. The R2E190-RA26-05 weighs 1.22 kg with a 190 mm diameter, incorporating a 7-blade PP plastic impeller (black painted, clockwise rotation from the rotor side) and the M2E068-BF motor. Electrical specs of the R2E190-RA26-05 include 230 V AC compatibility: at 50 Hz, it runs at 2350 rpm (52 W power, 0.23 A current); at 60 Hz, it reaches 2500 rpm (65 W, 0.29 A). Both frequencies use a 1.5  $\mu$ F/400 V DC capacitor (S0 CE standard) and share a 0.37 A starting current.

Mechanically, the R2E190-RA26-05 offers IP44 protection (dust-resistant, splash-proof, installation-dependent per EN 60034-5) and Class I protection (requires customer-provided protective earth). The R2E190-RA26-05's Class B insulation (max. 130°C winding temp) and ball bearings ensure durability. Installable horizontally or with the rotor downward (upward on request), the R2E190-RA26-05 includes condensation drainage holes on the rotor side. Operating temps of the R2E190-RA26-05 range from -25°C to 65°C (50 Hz) or -25°C to 75°C (60 Hz), with storage/transport tolerating -40°C to 80°C. A built-in thermal overload protector (TOP) in the R2E190-RA26-05 prevents overheating, and touch current is < 0.75 mA (IEC 60990, TN system).

Performance of the R2E190-RA26-05 meets ISO 5801 (airflow) and ISO 13347 (noise). At 50 Hz, the R2E190-RA26-05 delivers max airflow of 540 m<sup>3</sup>/h (0 Pa), peak static pressure 180 Pa (305 m<sup>3</sup>/h), with minimum intake sound pressure 52 dB(A). At 60 Hz, the R2E190-RA26-05 achieves max airflow 590 m<sup>3</sup>/h (0 Pa), peak static pressure 220 Pa (295 m<sup>3</sup>/h), minimum sound pressure 54 dB(A). Sound power levels of the R2E190-RA26-05 range from 60–68 dB(A), measured at 1 m from the fan axis.

Compliance of the R2E190-RA26-05 includes EN 60034-1, EN 60204-1, EN 60335-1, and certifications: CE, VDE, CCC, EAC. The R2E190-RA26-05 features a 4-core PVC cable (0.5 mm<sup>2</sup>) with color coding: U1 (blue), Z (brown), U2 (black), PE (green/yellow). The inlet ring (09576-2-4013) for the R2E190-RA26-05 is sold separately; mounting allows 5 mm screw clearance.

Ideal for applications requiring reliable moderate airflow and static pressure with low noise, the R2E190-RA26-05 is suited for industrial machinery ventilation,

electrical enclosure cooling (e.g., control panels, switchgear), commercial HVAC systems, heat exchanger airflow management, and equipment cooling in non-corrosive environments. The R2E190-RA26-05's robust design—with IP44 protection, wide temperature tolerance, and continuous-duty capability (Mode S1)—makes it suitable for harsh industrial settings, while customizable installation (horizontal/rotor-down/rotor-up on request) adapts to space-constrained setups. Compliance with global standards ensures the R2E190-RA26-05 is suitable for international applications in sectors like manufacturing, logistics, and building technology.

## Technical Specifications

Attribute	Value
Manufacturer	ebm-papst
Series	R2E190
Fan Type	AC
Voltage Rating	230 VAC
Dimensions	190x68.50 mm
Bearing Type	Ball Bearing
category	Motorized Impellers
Features	Thermal Overload Protector (TOP)
Power Rating	65 W
Fan Speed	2500 RPM
Termination	4 Wire Leads with Splice Terminals
IP Rating	IP44
Operating Temperature	-13 ~ 167°F (-25 ~ 75°C)
Approval Agency	CCC, CE, EAC, VDE
Model	R2E190-RA26-05
Subcategory	AC centrifugal fan





