

AC centrifugal fans - RadiCal

Series R2E190 RA Ø190 mm



Highlights:

- 7-blade fan, 1-phase fan motor
- Backward curved, single inlet
- Thermal overload protector (TOP) wired internally
- Mounting position: Any
- Condensate discharge holes: None
- Ingress protection of IP44; dependant on installation and position

Material: Fiberglass-reinforced composite

Impeller: PA

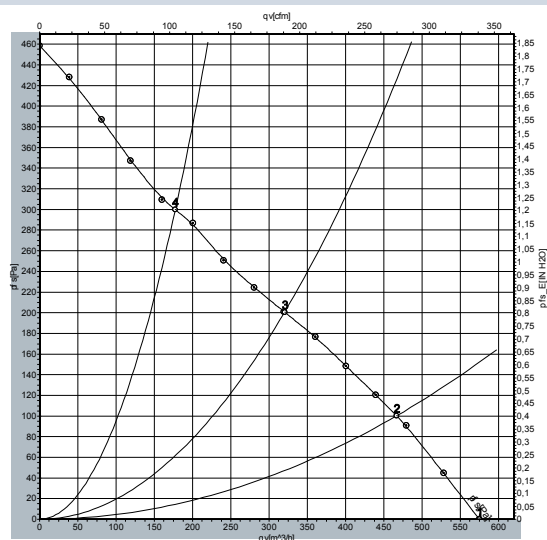
Electronic housing: PBT

Direction of rotation: Clockwise, seen on rotor

| Nominal Data | Air flow | Nominal voltage | Voltage range | Sound pressure level | Sound power level | Ball bearings | Power input | Speed (1) | Temperature range (1) | Mass | Ingress Protection Rating | UL Approval | Capacitor |
|----------------|----------|-----------------|---------------|----------------------|-------------------|---------------|-------------|-----------|-----------------------|-------|---------------------------|-------------|-----------|
| | CFM | VDC | VDC | dB(A) | dB(A) | Watts | RPM | °C | g | | | µF | |
| R2E190-RA50-21 | 341.4 | 115 | 100...130 | - | - | Yes | 70 | 2,450 | -25...75 | 1,200 | IP44 | Yes | 6 |
| R2E190-RA26-20 | 347.3 | 230 | 200...240 | 60 | 68 | Yes | 70 | 2,500 | -25...75 | 1,200 | IP44 | Yes | 1.5 |

(1) Nominal data at maximum load. (-) Not Available. Contact Application Engineering for more information.

R2E190-RA50-21 Curves



Measurement: LU-128367

Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact.

Suction-side noise levels: L_{WA} as per ISO 13347, L_{PA} measured at 1m distance to fan axis.

The values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

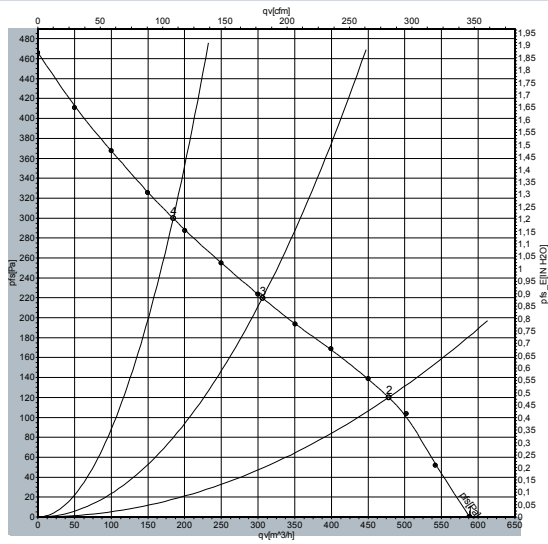
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

For detailed information on the measuring set-up, please contact ebm-papst.

| | n rpm | P _e W | I A (115V) | L _{WA} dB(A) |
|-------|----------|---------------------|------------------|--------------------------|
| (A) 1 | 2750 | 60 | 0.5 | - |
| (A) 2 | 2575 | 63 | 0.6 | - |
| (A) 3 | 2450 | 66 | 0.6 | - |
| (A) 4 | 2630 | 62 | 0.5 | - |

Note: (-) Not available. Contact Application Engineering for more information.

R2E190-RA26-20 Curves



Measurement: LU-125753

Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact.

Suction-side noise levels: L_{WA} as per ISO 13347, L_{PA} measured at 1m distance to fan axis.

The values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

For detailed information on the measuring set-up, please contact ebm-papst.

| | n rpm | Pe W | I A (230V) | L _{WA} dB(A) |
|-----|----------|---------|------------------|--------------------------|
| ⓑ 1 | 2720 | 60 | 0.6 | 68 |
| ⓑ 2 | 2635 | 62 | 0.6 | 65 |
| ⓑ 3 | 2500 | 65 | 0.6 | 61 |
| ⓑ 4 | 2670 | 61 | 0.6 | 66 |

Note: (-) Not available. Contact Application Engineering for more information.

R2E190-RAXX-XX

