

EC centrifugal fans - RadiPac

backward curved, single inlet, Ø 310



Highlights:

- 7-blade fan, 3-phase fan motor
- Output: 10 VDC, max.10 mA, 20 VDC, max. 50 mA, slave 0-10 V
- Input: sensor 0-10 V or 4-20 mA, 24 V external programming, 0-10 VDC/ PWM control
- Integrated PID controller along with RS485 MODBUS RTU technology
- Over-temperature protected electronics / motor
- Soft start, alarm relay, motor current limit, PFC passive, line undervoltage / phase failure detection
- Control interface with SELV potential safely disconnected from the mains

Material: Impeller: Aluminum sheet

Rotor: Coated in black

Electronic housing: Die-cast aluminum

Assembly: Galvanized steel with aluminum posts

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

Condensate discharge holes: Rotor-side

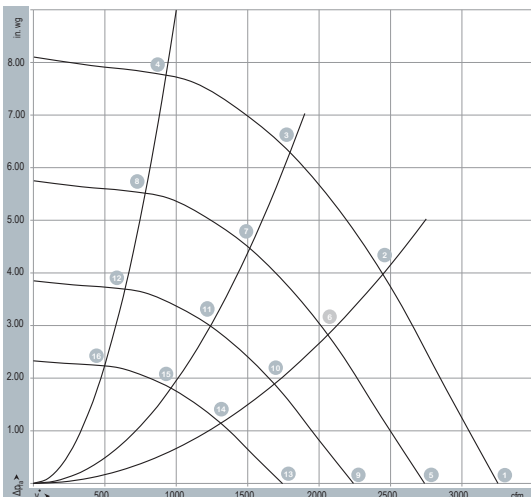
Direction of rotation: Clockwise, seen on rotor

Nominal Data

| Type | RadiPac | Motor | Air flow | | Frequency | Power input (1) | Speed (1) | Current draw (1) | Temperature range (1) | Mass | Ingress protection rating | Electrical wiring diagram | UL |
|----------------|-----------------|-----------|----------|-----------|-----------|-----------------|-----------|------------------|-----------------------|------|---------------------------|---------------------------|-----|
| | | | CFM | VAC | | | | | | | | | |
| R3G310-AY73-13 | EG1R-240-310-36 | M3G112-EA | 3,243 | 200...240 | 50/60 | 2,680 | 3,900 | 7.4 | -25...40 | 27.5 | IP54 | A | Yes |

(1) Nominal data at maximum load.

Curves



Measurement: LU-151095

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

Suction-side noise levels: LWA as per ISO 13347, LpA 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} _{in} dB(A) |
|----|----------|---------|------------------|--|
| 1 | 3900 | 1746 | 4.9 | 96 |
| 2 | 3900 | 2381 | 6.5 | 89 |
| 3 | 3900 | 2680 | 7.4 | 90 |
| 4 | 3900 | 2457 | 6.7 | 96 |
| 5 | 3300 | 1042 | 2.9 | 92 |
| 6 | 3300 | 1425 | 3.9 | 85 |
| 7 | 3300 | 1604 | 4.4 | 86 |
| 8 | 3300 | 1473 | 4.0 | 92 |
| 9 | 2700 | 571 | 1.6 | 87 |
| 10 | 2700 | 780 | 2.1 | 80 |
| 11 | 2700 | 879 | 2.4 | 81 |
| 12 | 2700 | 807 | 2.2 | 87 |
| 13 | 2100 | 269 | 0.8 | 80 |
| 14 | 2100 | 367 | 1.0 | 73 |
| 15 | 2100 | 413 | 1.1 | 75 |
| 16 | 2100 | 380 | 1.0 | 80 |

