

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

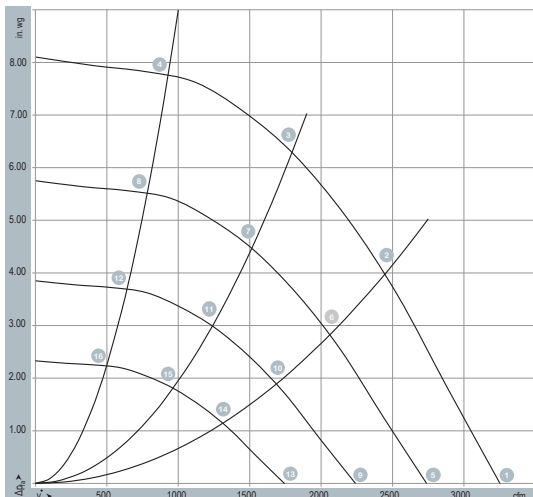
Direction of rotation: Clockwise, seen on rotor

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)	LwAin 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

