

EC centrifugal fans - RadiCal®

Series R3G190 RD Ø190 mm



Highlights:

- Backward curved
- 7-blade impeller, single phase motor
- Output 10 VDC, max. 1.1 mA, Tach output, Control input 0-10 VDC / PWM
- Motor current limit, Soft start, Locked-rotor protection
- Over temperature protected electronics / motor
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Condensate discharge holes: None, open rotor
- Ingress protection of IP54

Material: Fiberglass reinforced composite

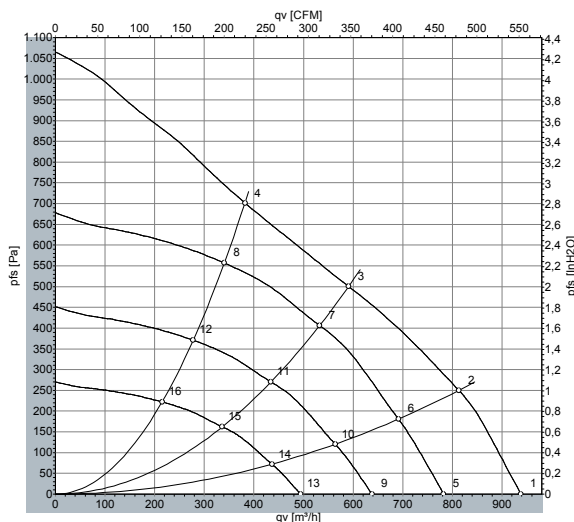
Impeller: PA6

Direction of rotation: Clockwise, seen on rotor

Nominal Data	Air flow	Nominal voltage	Voltage range	Hertz	Ball bearings	Power input	Speed (1)	Temperature range (1)	Mass	Ingress Protection Rating	UL
Type	CFM	VAC	VAC			Watts	RPM	°C	g		
R3G190-RD47-04	553.3	115	100...130	50/60	Yes	170	4,180	-25...50	1,400	IP54	Yes
R3G190-RD45-03	573.9	230	200...240	50/60	Yes	169	4,120	-25...60	1,380	IP54	Yes

(1) Nominal data at operating point with maximum load.

R3G190-RD47-04 Curves



Measurement: LU-132500

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.

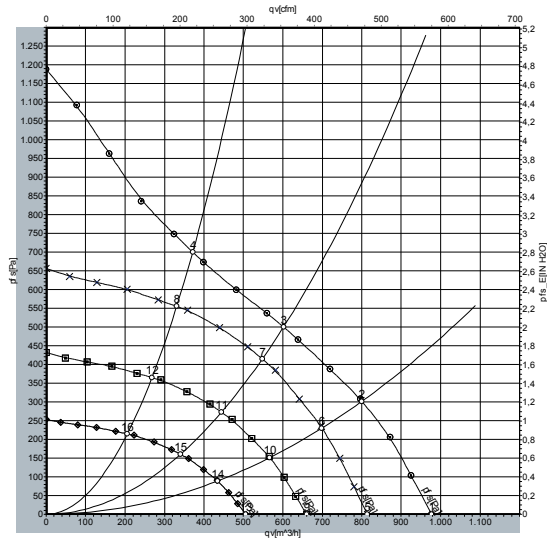
The values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

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 (115V)	LwA dB(A)
(A) 1	4440	161	2.30	81
(A) 2	4235	165	2.18	75
(A) 3	4120	169	2.25	72
(A) 4	4150	160	2.17	74
(A) 5	3700	93	1.24	77
(A) 6	3700	110	1.34	72
(A) 7	3700	125	1.62	70
(A) 8	3700	114	1.54	72
(A) 9	3000	50	0.67	73
(A) 10	3000	59	0.73	68
(A) 11	3000	67	0.88	65
(A) 12	3000	61	0.84	67
(A) 13	2300	22	0.31	67
(A) 14	2300	26	0.34	62
(A) 15	2300	30	0.41	59
(A) 16	2300	27	0.39	61

R3G190-RD45-03 Curves



Measurement: LU-142350

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

Suction-side noise levels: L_{pA} 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	Pe	I	L _{wA}
	rpm	W	A (230V)	dB(A)
①	4555	161	1.35	81
②	4470	170	1.35	75
③	4180	170	1.35	72
④	4260	170	1.35	74
⑤	3800	96	0.81	77
⑥	3800	105	0.93	72
⑦	3800	127	1.06	71
⑧	3800	120	0.97	72
⑨	3100	52	0.43	73
⑩	3100	57	0.50	68
⑪	3100	69	0.57	65
⑫	3100	65	0.52	67
⑬	2400	24	0.19	67
⑭	2400	26	0.22	62
⑮	2400	32	0.26	59
⑯	2400	30	0.23	61

R3G190-RDXX-XX

