

EC centrifugal fans - RadiCal

Series R3G220 RD Ø220 mm



Highlights:

- 7-blade fan, 1-phase fan motor
- Backward curved
- 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: R3G220-RD49-04 Any, R3G220-RD21-03: Shaft horizontal or rotor on bottom; rotor on top on request
- Condensate discharge holes: None, open rotor
- Ingress protection of IP54

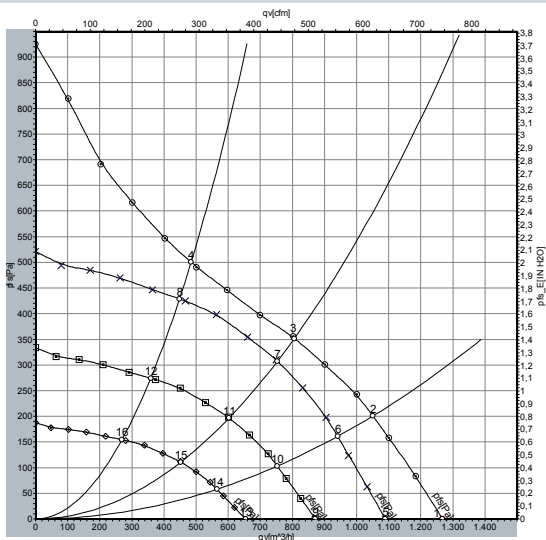
Material: Fiberglass-reinforced composite
 Impeller: PA
 Electronic housing: Die-cast aluminum

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
	CFM	VDC	VDC	dB(A)	Bel(A)		Watts	RPM	°C	g		
R3G220-RD49-04	771.0	115	100...130	69	77	Yes	170	3,290	-25...50	1,500	IP54	No
R3G220-RD21-03	747.5	230	200...240	69	77	Yes	168	3,230	-25...45	1,450	IP54	No

(1) Nominal data at maximum load.

R3G220-RD49-04 Curves



Measurement: LU-142152

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.

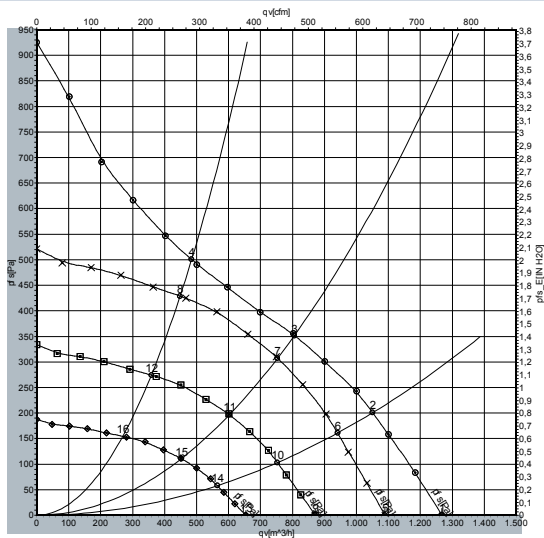
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

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

	n rpm	Pe W	I A (115V)	LwA dB(A)
(A) 1	3620	170	2.2	-
(A) 2	3470	170	2.2	-
(A) 5	3290	170	2.2	-
(A) 4	3355	170	2.2	-
(A) 5	3000	97	1.2	-
(A) 6	3000	112	1.3	-
(A) 7	3000	130	1.4	-
(A) 8	3000	120	1.6	-
(A) 9	2400	49	0.3	-
(A) 10	2400	57	0.7	-
(A) 11	2400	67	0.9	-
(A) 12	2400	62	0.8	-
(A) 13	1800	21	0.3	-
(A) 14	1800	24	0.3	-
(A) 15	1800	28	0.4	-
(A) 16	1800	26	0.3	-

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

R3G220-RD21-03 Curves



Measurement: LU-132488
 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)	LwA dB(A)
ⓑ 1	3490	161	2.6	77
ⓑ 2	3350	166	2.8	73
ⓑ 3	3230	168	2.8	70
ⓑ 4	3240	165	2.8	72
ⓑ 5	3000	102	1.6	74
ⓑ 6	3000	119	2.0	70
ⓑ 7	3000	135	2.2	68
ⓑ 8	3000	131	2.2	70
ⓑ 9	3000	52	0.8	69
ⓑ 10	2400	61	1.0	66
ⓑ 11	2400	69	1.2	64
ⓑ 12	2400	67	1.2	66
ⓑ 13	1800	22	0.4	62
ⓑ 14	1800	26	0.4	59
ⓑ 15	1800	29	0.4	57
ⓑ 16	1800	28	0.4	59

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

R3G220-RDXX-XX

