

EC centrifugal fans - RadiCal®

Series R3G225 RE Ø225 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: Any
- Condensate discharge holes: None, open rotor
- Ingress protection of IP54

Material: Fiberglass reinforced composite

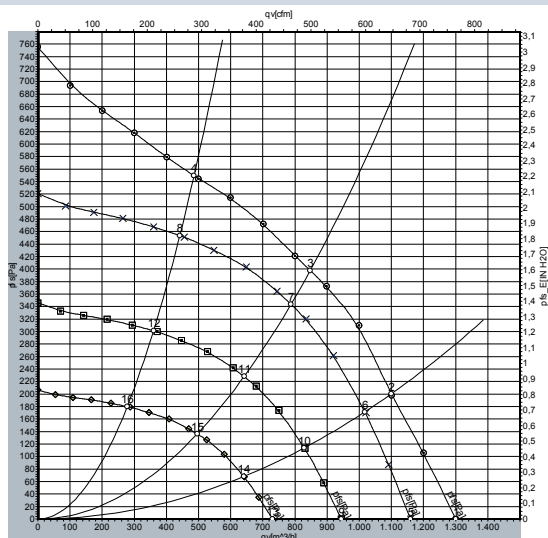
Impeller: PA6

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
	CFM	VAC	VAC			Watts	RPM	°C	g		
R3G225-RE19-04	753.4	115	100...130	50/60	Yes	170	2,870	-25...50	1,750	IP54	Yes
R3G225-RE07-03	765.2	230	200...240	50/60	Yes	170	2,860	-25...60	1,750	IP54	Yes

(1) Nominal data at maximum load.

R3G225-RE19-04 Curves



Measurement: LU-142355

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.

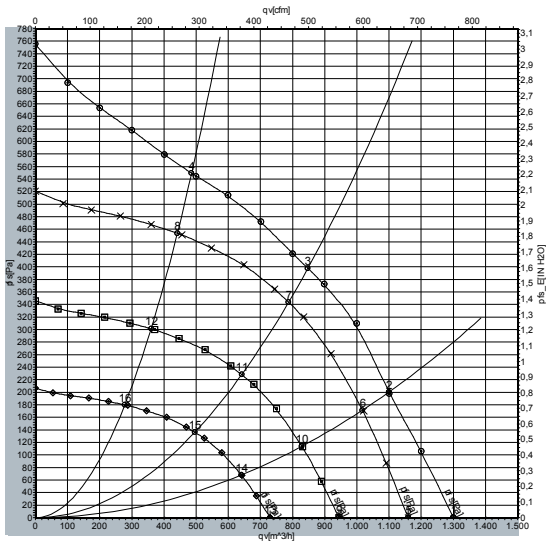
The values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

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	2985	153	1.99	78
(A) 2	2870	170	2.20	74
(A) 3	2895	162	2.09	68
(A) 4	2965	150	1.95	73
(A) 5	2500	90	1.17	75
(A) 6	2500	113	1.45	70
(A) 7	2500	104	1.34	66
(A) 8	2500	90	1.17	69
(A) 9	2000	46	0.60	69
(A) 10	2000	58	0.74	65
(A) 11	2000	53	0.69	61
(A) 12	2000	46	0.60	63
(A) 13	1500	19	0.25	63
(A) 14	1500	25	0.31	59
(A) 15	1500	23	0.29	55
(A) 16	1500	19	0.25	57

R3G225-RE07-03 Curves



Measurement: LU-129100

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	Pe	I	L _{WA}
	rpm	W	A (230V)	dB(A)
(B) 1	3030	151	1.25	78
(B) 2	2910	168	1.40	74
(B) 3	2860	170	1.40	68
(B) 4	2970	157	1.35	73
(B) 5	2700	107	0.89	76
(B) 6	2700	134	1.11	72
(B) 7	2700	135	1.15	67
(B) 8	2700	118	1.01	70
(B) 9	2200	58	0.48	70
(B) 10	2200	73	0.60	67
(B) 11	2200	73	0.62	62
(B) 12	2200	64	0.55	65
(B) 13	1700	27	0.22	64
(B) 14	1700	33	0.28	61
(B) 15	1700	34	0.29	56
(B) 16	1700	29	0.25	59

R3G225-REXX-XX

