

AC centrifugal fans - RadiCal®

Series R2E220 RA Ø220 mm



Highlights:

- Backward curved
- 7-blade impeller, single phase motor
- Thermal overload protector (TOP) wired internally
- Mounting position: Any
- Condensate discharge holes: None
- Ingress protection of IP44; dependent on installation and position

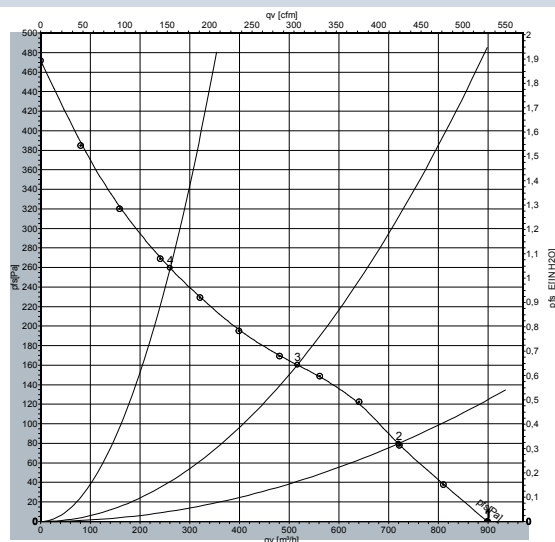
Material: Fiberglass reinforced composite
Impeller: PA

Direction of rotation: Clockwise, seen on rotor

Nominal Data	Air flow	Nominal voltage	Hertz	Ball bearings	Power input	Speed (1)	Temperature range (1)	Mass	Ingress Protection Rating	Capacitor	UL
	CFM	VAC			Watts	RPM	°C	g		µF	
R2E220-RA44-14	529.7	115	50/60	Yes	108	2,100	-25...60	1,300	IP44	8	Yes
R2E220-RA38-13	541.5	230	50/60	Yes	107	2,050	-25...60	1,300	IP44	2	Yes

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

R2E220-RA44-14 Curves



Measurement: LU-130009

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.

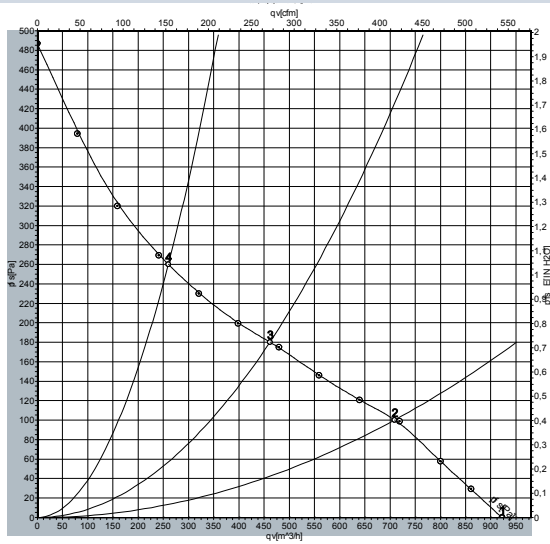
The values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

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	2455	92	0.81	69
(A) 2	2260	98	0.85	62
(A) 3	2100	100	0.88	60
(A) 4	2265	96	0.84	65

R2E220-RA38-13 Curves



Measurement: LU-136805

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.

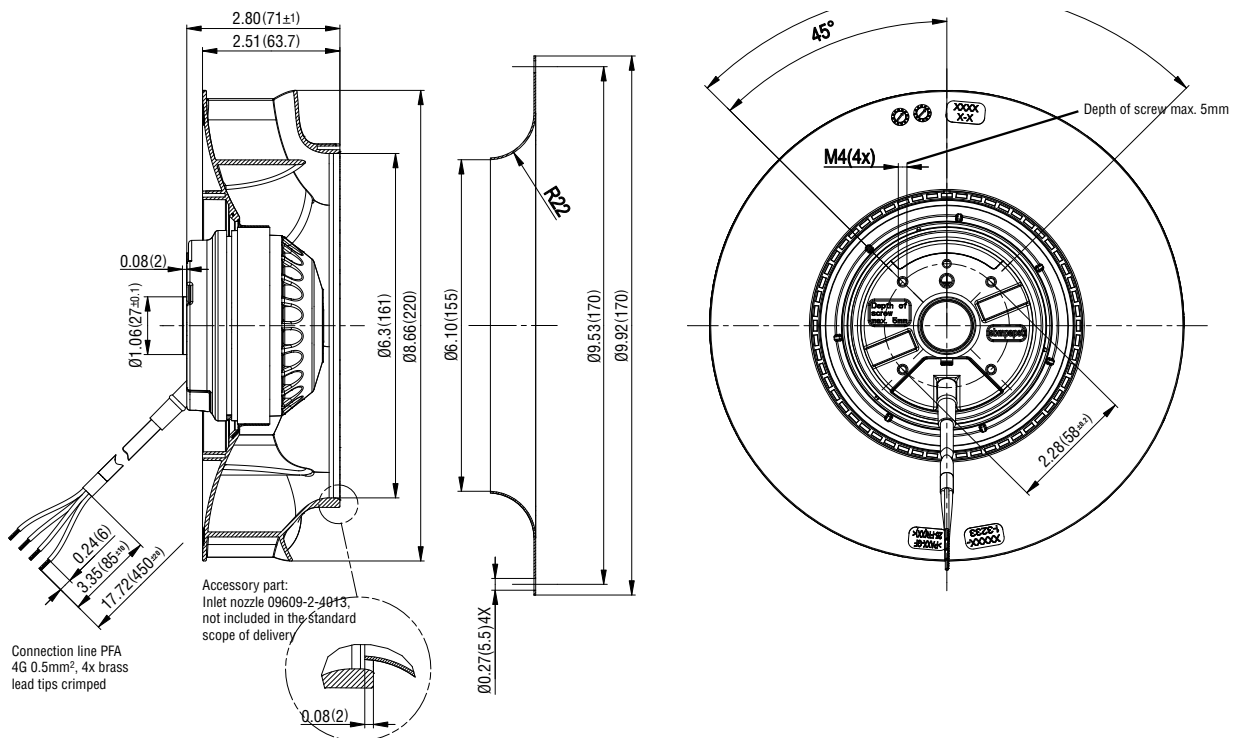
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	n	Pe	I	LwA
	rpm	W	A (230V)	dB(A)
ⓑ 1	2450	102	0.46	69
ⓑ 2	2220	106	0.46	62
ⓑ 3	2050	107	0.47	60
ⓑ 4	2215	105	0.46	65

R2E220-RAXX-XX





R2E220 Series Motorized Impeller

Ø 220mm Backward Curved

- Backward curved centrifugal fans feature extremely long blades. These impellers are highly resistant to dirt and dust. Their hydraulic efficiency is very high.
- Impeller completely made of plastic PA 6.6.
- Maintenance-free ball bearings.
- Insulation class "B". Cable exit: variable. Direction of rotation is CW as seen from intake side.
- UL, CSA, VDE approvals on most models, please contact application engineering.
- Recommended inlet ring: 9609-2-4013.

Part Number	Curve	CFM @ 0	VAC	Hertz	Power (W)	dBA	Max. Amb. Temp C	Speed (RPM)	Bearing Type	Features	Capacitor (µF)	Wgt. (lbs)
R2E220-AA44-23	1	530	115	50/60	100	74	60	2550	Ball	Leads	10	3.50
R2E220-AB08-12	2	629.5	115	50/60	125	75	30	3050	Ball	Leads	10	3.30
R2E220-AA40-23	1	530	230	60	100	74	55	2550	Ball	Leads	2	3.50

