

EC centrifugal fans

backward curved, Ø 220



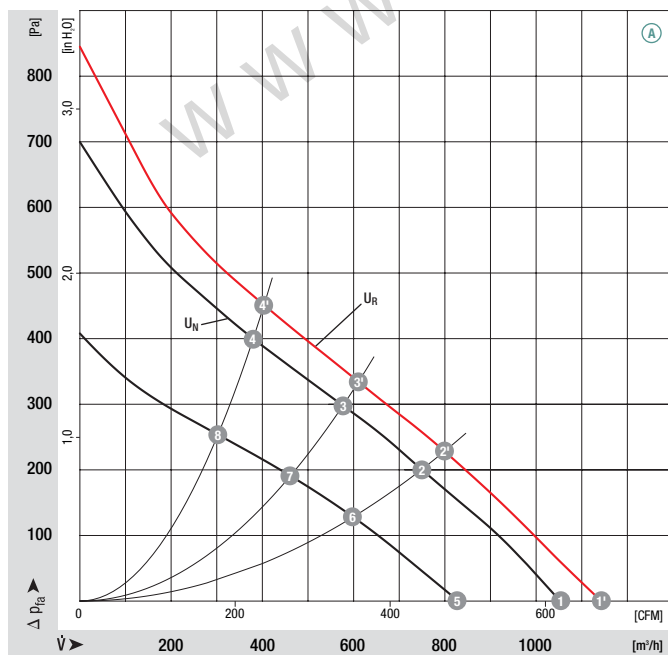
- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced
Rotor: Coated in black
- **Number of blades:** 11
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Curve	Nominal voltage VDC	Voltage range VDC	Air flow m³/h	Speed/rpm	Power input W	Current draw A	Sound pressure level dB(A)	Perm. amb. temp. °C	Electr. connection p. 600
R1G 220	M1G 074-BF	Ⓐ	24	16-28	1055	3150	106	5.00	76	-25 to +60	G)
R1G 220	M1G 074-BF	Ⓐ	48	36-57	1015	3100	100	2.40	73	-25 to +60	G)

subject to alterations

Curves (established at 24 VDC)



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{HL} [%]
Ⓐ 1'	3400	128	78	—
Ⓐ 2'	3200	132	69	53
Ⓐ 3'	3050	135	67	55
Ⓐ 4'	3000	137	71	46
Ⓐ 1	3150	106	76	—
Ⓐ 2	3010	110	68	53
Ⓐ 3	2870	112	65	55
Ⓐ 4	2800	113	69	46
Ⓐ 5	2470	50	70	—
Ⓐ 6	2360	54	63	53
Ⓐ 7	2300	57	59	55
Ⓐ 8	2250	59	63	46

- **Technical features:**
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standard:** EN 60950-1
- **Approvals:** UL, CSA,  (48 VDC) with CCC
- Tach output
- Reverse polarity and locked-rotor protection



Mass of centrifugal fan



Centrifugal fan	kg	Inlet nozzle (long)
R1G 220-AB35 -52	1.4	09609-2-4013
R1G 220-AB73 -52	1.4	09609-2-4013

