

EC centrifugal fans

backward curved, Ø 175

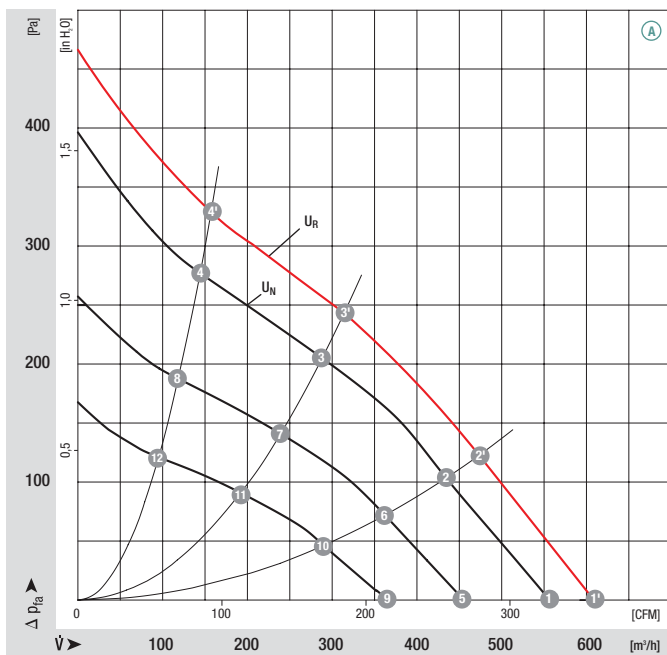


- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced
Rotor: Galvanised
- **Number of blades:** 7
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 22
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings


Nominal data		Curve	Nominal voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Perm. amb. temp.	Electr. connection
Type	Motor	VDC	VDC	m³/h	rpm	W	A	dB(A)	°C	p. 600	
R1G 175	M1G 055-BD	Ⓐ	24	16-28	565	3100	34	1.60	65	-25 to +60	G)
R1G 175	M1G 055-BD	Ⓐ	48	36-57	565	3100	34	1.00	65	-25 to +60	G)

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{HL} [%]
Ⓐ 1'	3390	46	67	—
Ⓐ 2'	3200	51	60	49
Ⓐ 3'	3170	51	58	58
Ⓐ 4'	3300	51	66	39
Ⓐ 1	3100	34	65	—
Ⓐ 2	2910	39	58	49
Ⓐ 3	2880	39	56	58
Ⓐ 4	3010	37	64	39
Ⓐ 5	2520	20	60	—
Ⓐ 6	2430	22	54	51
Ⓐ 7	2390	23	51	58
Ⓐ 8	2470	21	60	39
Ⓐ 9	2050	12	56	—
Ⓐ 10	1950	13	50	51
Ⓐ 11	1920	13	56	58
Ⓐ 12	1990	12	53	40

- **Technical features:**
 - Control input 0-10 VDC / PWM
 - Tach output
- **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 VDE, CCC
- Reverse polarity and locked-rotor protection



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)
R1G 175-AB63 -02	0.7	09576-2-4013
R1G 175-AB41 -02	0.7	09576-2-4013

