

# EC centrifugal fan

backward curved, Ø 175

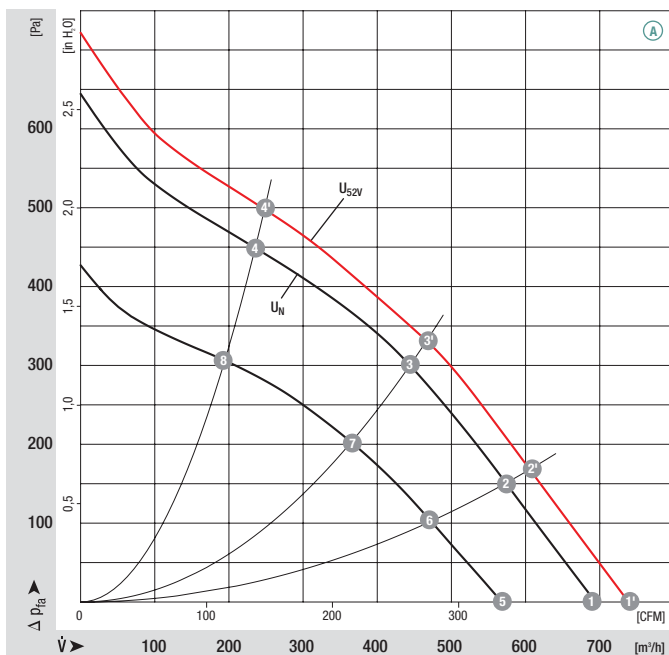


- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced  
Rotor: Coated in black, with cooling holes
- **Number of blades:** 7
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 22
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** Rotor-side
- **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	
<b>R1G 175</b>	M1G 055-CF	Ⓐ	48	36-52	695	4000	75	1.75	72	-25 to +40	G)

subject to alterations

## Curves



	n [rpm]	$P_1$ [W]	$L_{pA}$ [dB(A)]	$\eta_{tL}$ [%]
Ⓐ 1	4250	88	73	—
Ⓐ 2	4130	93	71	39
Ⓐ 3	4050	96	67	55
Ⓐ 4	4130	93	72	43
Ⓐ 1	4000	75	72	—
Ⓐ 2	3920	80	69	39
Ⓐ 3	3880	83	66	55
Ⓐ 4	3920	80	71	43
Ⓐ 5	3290	42	67	—
Ⓐ 6	3250	45	64	39
Ⓐ 7	3160	47	62	55
Ⓐ 8	3250	46	66	43

- **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:** CCC
- Reverse polarity and locked-rotor protection



Mass of centrifugal fan



Centrifugal fan

kg

Inlet nozzle (long)

R1G 175-AF29 -04

1.0

09576-2-4013

