

EC centrifugal fans and blowers

single inlet, Ø 140

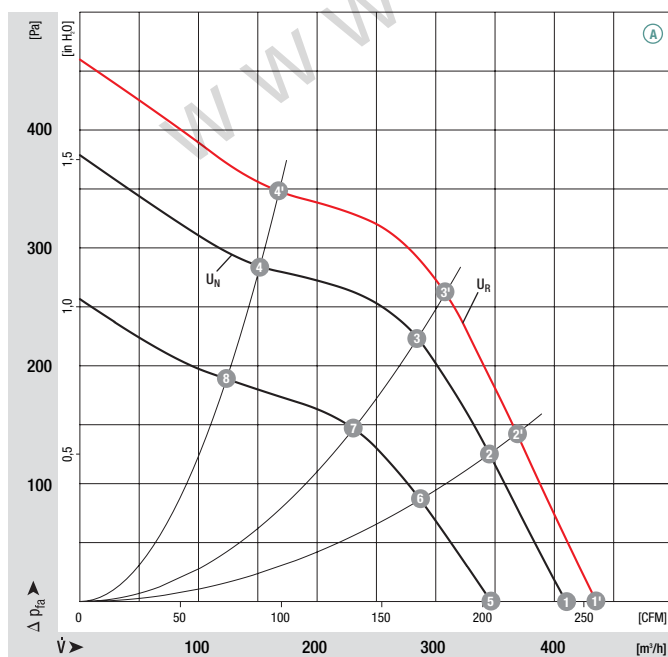


- **Material:** Housing: Die-cast aluminium
Impeller: Hot-dip galvanised sheet steel
Rotor: Coated in black
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 22
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** 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	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VDC	VDC	m³/h	rpm	W	A	dB(A)	Pa	°C	p. 600
*1G 140	M1G 055-CF	(A)	24	16-28	400	1750	54	2.50	63	0	-25 to +60	G)
*1G 140	M1G 055-CF	(A)	48	36-57	410	1750	54	1.30	63	0	-25 to +60	G)

subject to alterations

Curves

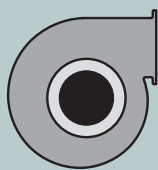


	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
(A) 1'	1850	65	64	—
(A) 2'	2020	61	61	50
(A) 3'	2200	57	59	54
(A) 4'	2550	43	60	40
(A) 1	1750	54	63	—
(A) 2	1900	50	59	51
(A) 3	2030	45	58	54
(A) 4	2310	32	58	40
(A) 5	1500	34	60	—
(A) 6	1580	29	56	50
(A) 7	1670	25	54	53
(A) 8	1880	19	53	41

- **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:** Axial
- **Protection class:** I
- **Product conforming to standard:** EN 60950-1
- **Approvals:**  (48 VDC) CCC
- Tach output
- Reverse polarity and locked-rotor protection



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan	kg	Centrifugal blower with flange	kg
R1G 140-AV17 -02	1.0	G1G 140-AV17 -02	2.3
R1G 140-AV21 -02	1.0	G1G 140-AV21 -02	2.3

