

EC centrifugal fans and blowers

single inlet, Ø 146

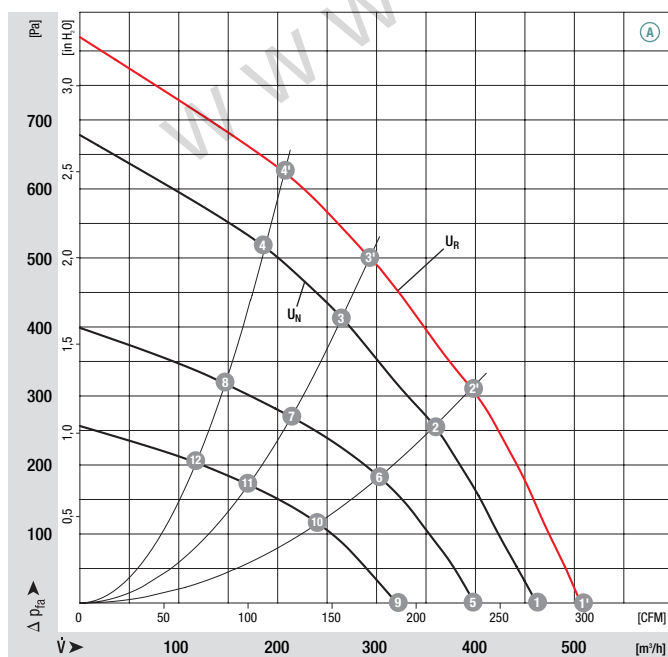


- **Material:** Housing: Die-cast aluminium
Impeller: Galvanised sheet steel
Rotor: Coated in black
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		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 146	M1G 074-BF	(A)	24	16-28	470	2200	100	5.00	68	0	-25 to +60	G)
*1G 146	M1G 074-BF	(A)	48	36-57	465	2150	100	2.60	67	0	-25 to +60	G)

subject to alterations

Curves (established at 24 VDC)

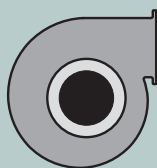


	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
(A) 1'	2400	140	70	—
(A) 2'	2650	130	67	45
(A) 3'	3000	110	66	49
(A) 4'	3300	100	67	45
(A) 1	2200	100	68	—
(A) 2	2445	90	65	46
(A) 3	2750	84	64	49
(A) 4	3025	77	65	45
(A) 5	1890	68	63	—
(A) 6	2075	57	60	46
(A) 7	2250	48	61	49
(A) 8	2335	41	61	45
(A) 9	1520	37	59	—
(A) 10	1670	32	55	46
(A) 11	1815	27	55	49
(A) 12	1920	23	55	45

- **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:** UL, CSA, CCC (centrifugal blower only)
- 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 146-AA07 -52	1.4	G1G 146-BA07 -52	2.8
R1G 146-AA11 -52	1.4	G1G 146-BA11 -52	2.8

