

EC centrifugal fans and blowers

single inlet, Ø 097



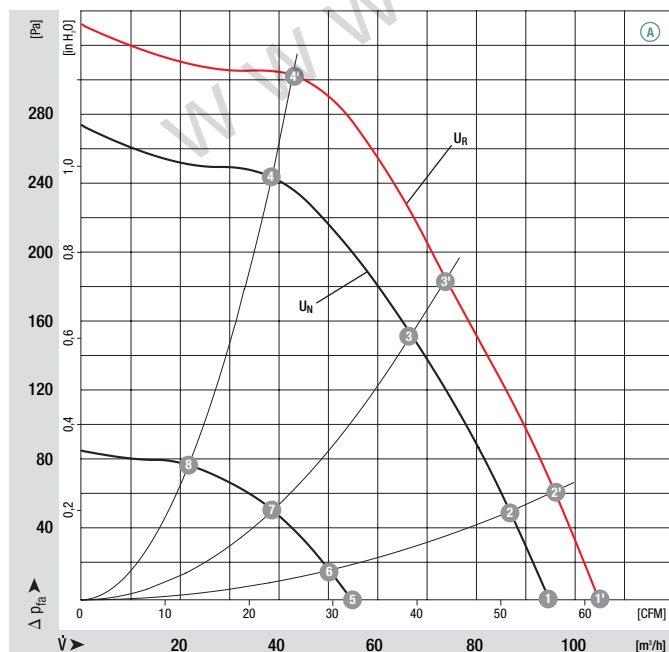
- **Material:** Housing: Hot-dip galvanised sheet steel
Impeller: Hot-dip galvanised sheet steel
Rotor: Galvanised
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 22
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

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)	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection p. 600
*1G 097	M1G 045-BE	(A)	24	16-28	95	2650	16	0.75	59	0	-25 to +60	G)
*1G 097	M1G 045-BE	(A)	48	36-57	95	2650	16	0.38	59	0	-25 to +60	G)

subject to alterations

Curves

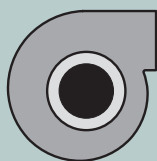


	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
(A) 1'	2920	22	62	—
(A) 2'	3030	21	61	41
(A) 3'	3300	17	59	48
(A) 4'	3700	13	58	48
(A) 1	2650	16	59	—
(A) 2	2730	15	58	41
(A) 3	2960	13	56	48
(A) 4	3290	10	55	48
(A) 5	1615	4	45	—
(A) 6	1650	4	45	38
(A) 7	1745	4	43	46
(A) 8	1880	3	42	47

- **Technical features:**
 - Control input 0-10 VDC / PWM
 - **Cable exit:** Axial
 - **Protection class:** I
 - **Product conforming to standard:** EN 60950-1
 - **Approvals:** (A) (48 VDC) CCC
- Tach output
 - Reverse polarity and locked-rotor protection



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan	kg	Centrifugal blower without flange	kg
R1G 097-AA05 -01	0.5	G1G 097-AA05 -01	0.8
R1G 097-AA07 -01	0.5	G1G 097-AA07 -01	0.8

