

EC centrifugal fans

backward curved, Ø 120



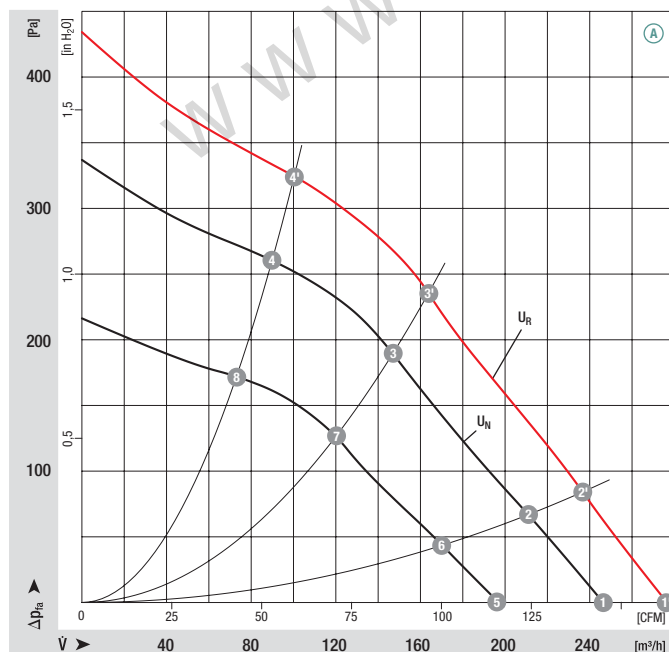
- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced
Rotor: Galvanised
- **Number of blades:** 9
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 20
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** 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)	Perm. amb. temp. °C	Electr. connection p. 600
R1G 120	M1G 045-BE	(A)	24	16-28	250	4060	26	1.20	62	-25 to +50	G)
R1G 120	M1G 045-BE	(A)	48	36-57	250	4060	26	0.60	62	-25 to +50	G)

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{HL} [%]
(A) 1'	4520	36	65	—
(A) 2'	4500	36	64	27
(A) 3'	4540	36	61	45
(A) 4'	4750	32	64	39
(A) 1	4060	26	62	—
(A) 2	4000	26	61	27
(A) 3	4050	26	58	45
(A) 4	4200	23	61	39
(A) 5	3270	14	56	—
(A) 6	3250	14	55	27
(A) 7	3280	14	53	45
(A) 8	3400	13	56	39

- **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



Centrifugal fan	kg	Inlet nozzle (long)
R1G 120-AD13 -02	0.5	96120-2-4013
R1G 120-AD11 -02	0.5	96120-2-4013

