

Max. 255 m³/h

DC centrifugal fans and blowers

Ø 120 mm



- **Material:** Housing: Die-cast aluminum
Impeller: Hot-dip galvanized sheet steel
Rotor: Galvanized
- **Direction of rotation:** Clockwise, looking towards rotor
- **Degree of protection:** IP 22
- **Insulation class:** "B"
- **Installation position:** Any
- **Condensation drainage holes:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

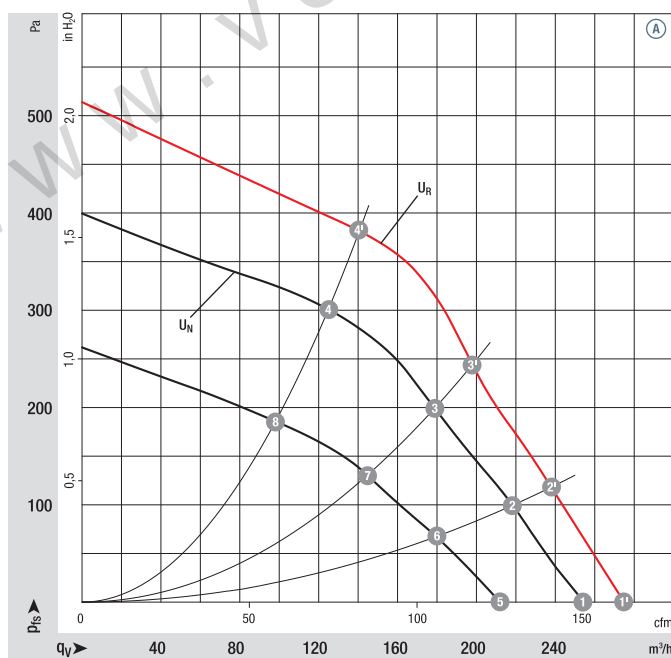
Type	Motor	Curve	Nominal voltage VDC	Nominal voltage range VDC	Air flow m ³ /h	Nominal speed rpm ⁻¹	Power consumption W	Input current A	Sound pressure level dB(A)	Min. back-pressure Pa	Admissible amb. temp. °C	Technical features and connection diagram
*1G 120	M1G 055-BD	Ⓐ	24	16-28	255	2200	40	1.90	62	0	-25...+60	p. 259 / G)
*1G 120	M1G 055-BD	Ⓐ	48	36-57	255	2200	40	0.95	62	0	-25...+60	p. 259 / G)

Subject to change

Curves:

U_N = nominal
voltage
(24 V / 48 V)

U_R = over-
voltage
(28 V / 57 V)



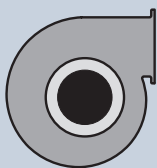
	n rpm ⁻¹	P _{ed} W	L _{pA} dB(A)	η _{IL} %
Ⓐ 1'	2410	50	63	—
Ⓐ 2'	2620	47	62	58
Ⓐ 3'	2870	44	61	60
Ⓐ 4'	3200	36	62	55
Ⓐ 1	2200	40	62	—
Ⓐ 2	2410	36	60	59
Ⓐ 3	2600	32	58	62
Ⓐ 4	2880	25	58	55
Ⓐ 5	1870	24	55	—
Ⓐ 6	1990	21	54	58
Ⓐ 7	2100	18	53	61
Ⓐ 8	2310	14	54	54

Air performance measured according to: ISO 5801, installation category A, with ebm-papst scroll housing without contact protection. Suction-side noise levels: L_{WA} according to ISO 13347, L_{pA} measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

- **Technical features:** See connection diagram p. 259
- **Cable exit:** Axial
- **Protection class:** I
- **Conformity with standard(s):** EN 60950-1
- **Approvals:** Ⓐ (24 VDC) UL, CSA, Ⓐ (48 VDC) CCC



Weight
centrifugal fans



Weight
centrifugal blowers

Centrifugal fans

kg

Centrifugal blowers with flange

kg

R1G 120-AB67 -02

0.8

G1G 120-AB67 -02

1.6

R1G 120-AB71 -02

0.8

G1G 120-AB71 -02

1.6

