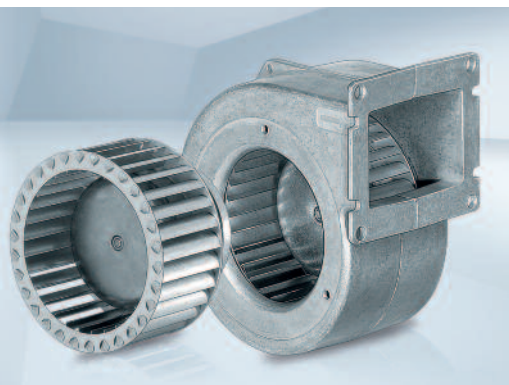


Max. 95 m³/h

DC centrifugal fans and blowers

Ø 85 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

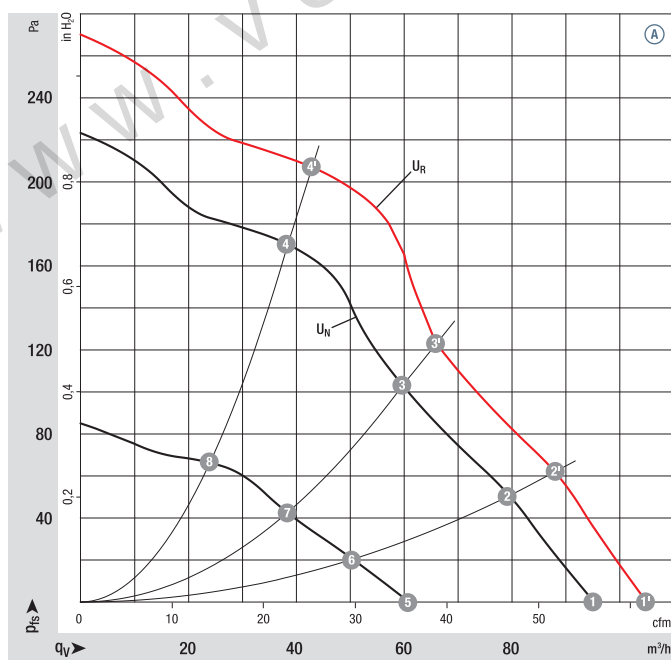
Type	Motor	Curve	Nominal voltage VDC	Nominal voltage range VDC	Air flow m ³ /h	Nominal speed rpm ⁻¹	Power consumption W	Input current A	Sound pressure level dB(A)	Min. back-pressure Pa	Admissible amb. temp. °C	Technical features and connection diagram
*1G 085	M1G 045-BE	Ⓐ	24	16-28	95	2850	14	0.64	57	0	-25...+60	p. 259 / G)
*1G 085	M1G 045-BE	Ⓐ	48	36-57	95	2850	14	0.32	57	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)



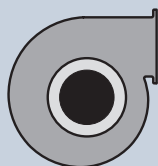
	n rpm ⁻¹	P _{ed} W	L _{pA} dB(A)	η _{IL} %
Ⓐ 1'	3180	19	59	—
Ⓐ 2'	3300	16	57	28
Ⓐ 3'	3500	15	57	32
Ⓐ 4'	3800	12	57	37
Ⓐ 1	2850	14	57	—
Ⓐ 2	3000	12	55	28
Ⓐ 3	3180	11	55	32
Ⓐ 4	3400	9	54	37
Ⓐ 5	1890	5	46	—
Ⓐ 6	1970	4	44	25
Ⓐ 7	2070	4	44	30
Ⓐ 8	2170	3	42	33

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
- **Conformity with standard(s):** EN 60950-1
- **Approvals:** EAC



Weight centrifugal fans



Weight
centrifugal blowers

Centrifugal fans	kg	Centrifugal blowers with flange	kg
R1G 085-AB05 -01	0.5	G1G 085-AB05 -01	0.8
R1G 085-AB07 -01	0.5	G1G 085-AB07 -01	0.8

