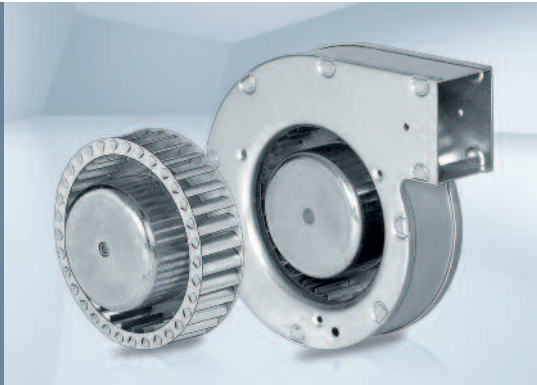


Max. 95 m<sup>3</sup>/h

# DC centrifugal fans and blowers

Ø 97 mm

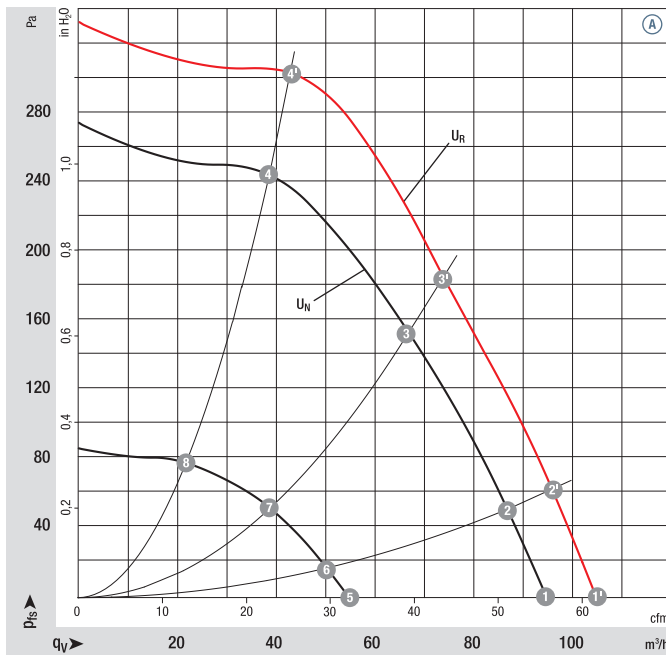


- **Material:** Housing: Hot-dip galvanized sheet steel  
Impeller: Hot-dip galvanized sheet steel  
Rotor: Galvanized
- **Direction of rotation:** Clockwise, looking towards rotor
- **Degree of protection:** IP 22
- **Insulation class:** "B"
- **Installation position:** Any
- **Condensation drainage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

Nominal data		Curve	Nominal voltage		Air flow	Nominal speed	Power consumption	Input current	Sound pressure level	Min. back-pressure	Admissible amb. temp.	Technical features and connection diagram
Type	Motor	VDC	VDC	m <sup>3</sup> /h	rpm <sup>-1</sup>	W	A	dB(A)	Pa	°C		
*1G 097	M1G045-BE	Ⓐ	24	16-28	95	2650	16	0.75	59	0	-25...+60	p. 259 / G)
*1G 097	M1G045-BE	Ⓐ	48	36-57	95	2650	16	0.38	59	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)



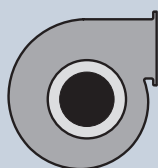
	n rpm <sup>-1</sup>	P <sub>ed</sub> W	L <sub>pA</sub> dB(A)	η <sub>IL</sub> %
Ⓐ 1'	2920	22	62	—
Ⓐ 2'	3030	21	61	41
Ⓐ 3'	3300	17	59	48
Ⓐ 4'	3700	13	58	48
Ⓐ 1	2650	16	59	—
Ⓐ 2	2730	15	58	41
Ⓐ 3	2960	13	56	48
Ⓐ 4	3290	10	55	48
Ⓐ 5	1615	4	45	—
Ⓐ 6	1650	4	45	38
Ⓐ 7	1745	4	43	46
Ⓐ 8	1880	3	42	47

Air performance measured according to: ISO 5801, Installation category A, with ebm-papst scroll housing without contact protection. Suction-side noise levels: L<sub>WA</sub> according to ISO 13347, L<sub>pA</sub> 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 097-AA05 -01**

0.5

**G1G 097-AA05 -01**

0.8

**R1G 097-AA07 -01**

0.5

**G1G 097-AA07 -01**

0.8

