

Max. 250 m<sup>3</sup>/h

# DC centrifugal fans

Ø 120 mm



- **Material:** Impeller: PA 6.6 plastic, fiberglass-reinforced  
Rotor: Galvanized
- **Number of blades:** 9
- **Direction of rotation:** Clockwise, looking towards rotor
- **Degree of protection:** IP 20
- **Insulation class:** "B"
- **Installation position:** Any
- **Condensation drainage holes:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

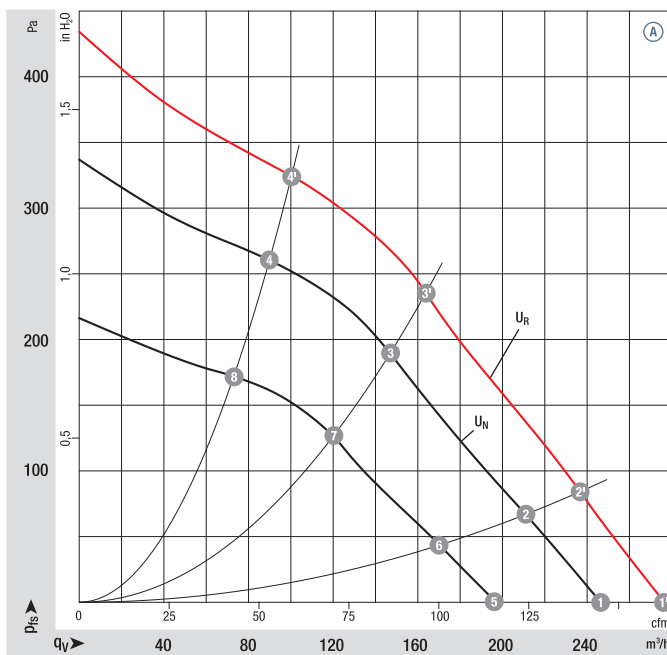
Nominal data		Curve	Nominal voltage	Nominal voltage range	Air flow	Nominal speed	Power consumption	Input current	Sound pressure level	Admissible amb. temp.	Technical features and connection diagram
Type	Motor	VDC	VDC	m <sup>3</sup> /h	rpm <sup>-1</sup>	W	A	dB(A)	°C		
<b>R1G 120</b>	M1G045-BE	Ⓐ	24	16-28	250	4060	26	1.20	62	-25..+50	p. 259 / G)
<b>R1G 120</b>	M1G045-BE	Ⓐ	48	36-57	250	4060	26	0.60	62	-25..+50	p. 259 / G)

Subject to change

### Curves:

U<sub>N</sub> = nominal voltage  
(24 V / 48 V)

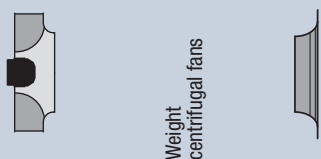
U<sub>R</sub> = over-voltage  
(28 V / 57 V)



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

Air performance measured according to: ISO 5801, installation category A, with ebm-papst inlet ring without contact protection. Suction-side noise levels: LWA 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

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

