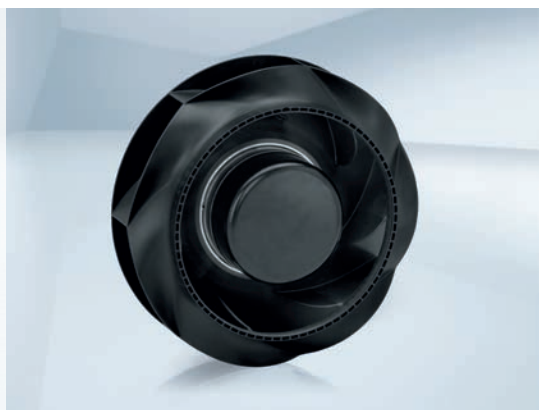




EC centrifugal fan – RadiCal

for railway applications, Ø 220



- **Material:** Impeller: plastic PA UL94 V0, black
Rotor: coated in black
Electronics housing: Die-cast aluminium
- **Number of blades:** 7
- **Direction of rotation:** Clockwise, seen on rotor
- **Degree of protection:** IP 44 according to EN 60529, depending on installation and position
- **Insulation class:** "B"
- **Installation position:** Shaft horizontal or rotor on top, rotor on bottom on request
- **Condensation drainage holes:** None
- **Mode:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

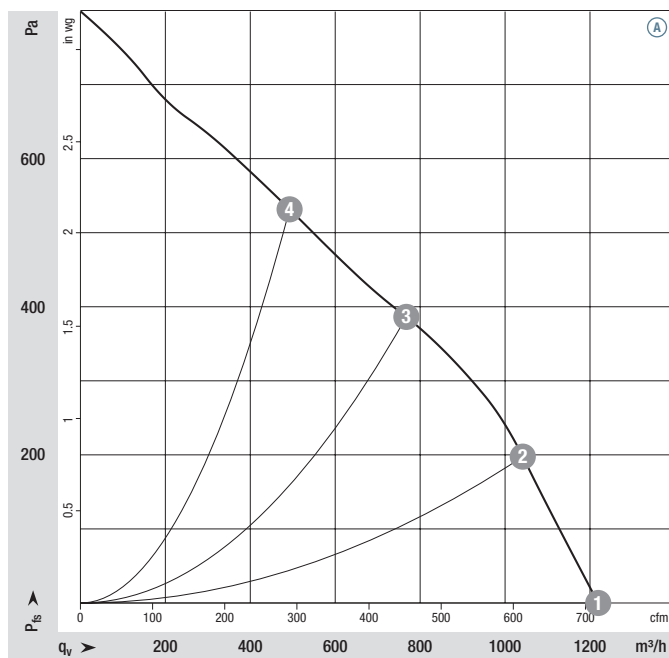
Nominal data		Curve	Nominal voltage	Voltage range	Air flow	Speed/rpm ⁽¹⁾	Max. Input power ⁽¹⁾	Max. Input current ⁽¹⁾	Sound power level	Perm. amb. temp.	Mass	Technical features and electrical connection
Type	Motor	VDC	VDC	m³/h	rpm	W	A	dB(A)	°C	kg		
R3G 220-RV83 -01 ⁽²⁾	M3G 074-CF	 110	77-138	1220	3360	180	1,65	79	-40..+60	2,2	P. 83	

subject to change

(1) Nominal data in operating point with maximum load and 110 VDC

(2) Only able for inside applications

Curves:



	n rpm	P _{ed} W	I A	L _{WA} dB(A)
Ⓐ 1	3500	176	1,60	79
Ⓐ 2	3425	180	1,63	76
Ⓐ 3	3360	180	1,65	73
Ⓐ 4	3390	174	1,59	75

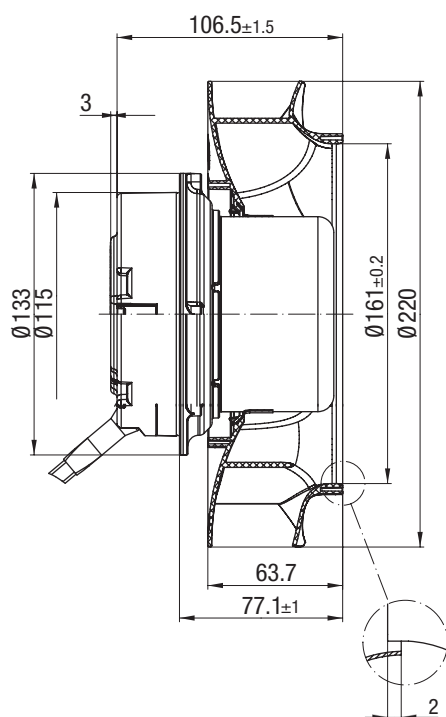
Air performance measured as per: ISO 5801, Installation category A, with ebm-papst inlet nozzle and without protection against accidental contact. Suction-side noise levels: L_{WA} as per ISO 13347, L_{pA} measured at 1 m distance to fan axis. The acoustic values given are only valid under the measurement conditions listed and may vary depending on the installation situation. With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted! For detailed information see P. 86 ff.

- **Technical features:** See electrical connections P. 83
- **Cable exit:** Variable
- **Protection class:** I (if customer has provided connection for protective earth)
- **Conformity with standards:** See P. 4
- **Approvals:** EAC

Depth of screw max. 8 mm, core removing hole prepared for self-tapping screw M4.

Depth of screw max. 6 mm, core removing hole prepared for self-tapping screw M4.

Depth of screw 8-10 mm.



Accessory part:

Inlet ring 09609-2-4013,
not included in scope of delivery.
Dimensions: see "Accessories" chapter

Cable (halogen-free):

BETAtans® 3 GKW flex,
5G 1.0 mm², 5x crimped ferrules

Cable (halogen-free):

BETAtans® 3 GKW flex,
3x 0.33 mm², 3x crimped ferrules

