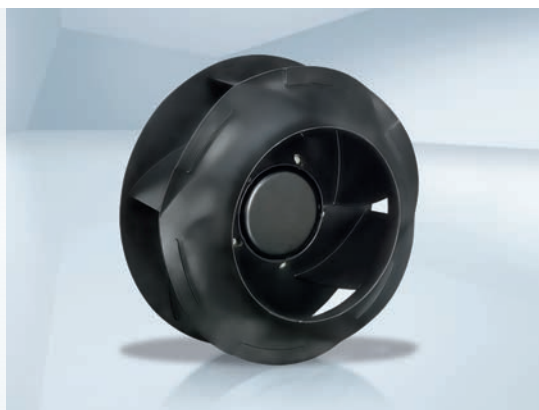




EC centrifugal fan – RadiCal

for railway applications, Ø 310



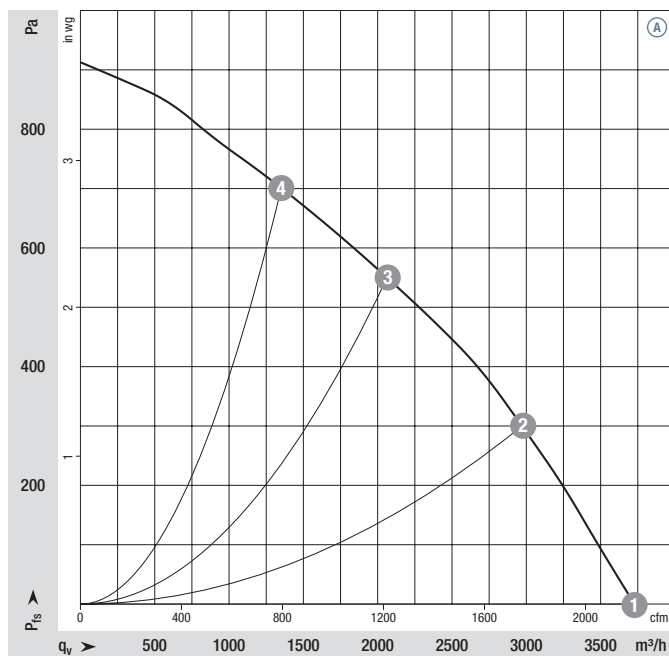
- **Material:** Impeller: plastic PA
Rotor: coated in black
Electronics housing: Die-cast aluminium, coated in black
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Degree of protection:** Motor: IP 24 KM, Electronics: IP 66 / 69 K
- **Insulation class:** "B"
- **Installation position:** Any
- **Condensation drainage holes:** Rotor side
- **Mode:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Curve	Nominal voltage	Voltage range	Air flow	Speed/rpm	Input power	Input current	Sound power level	Perm. amb. temp.	Mass	Technical features and electrical connection
			VDC	VDC	m³/h	rpm	W	A	dB(A)	°C	kg	
R3G 310-RU29 -81	M3G 084-CF	Ⓐ	24	16-32	3730	2550	470	19,5	81	-40..+60	3,0	P. 81

subject to change

Curves:



	n rpm	P _{ed} W	I A	L _{WA} dB(A)
Ⓐ 1	2550	470	19,5	81
Ⓐ 2	2415	542	22,4	78
Ⓐ 3	2380	583	24,2	74
Ⓐ 4	2440	553	23,1	76

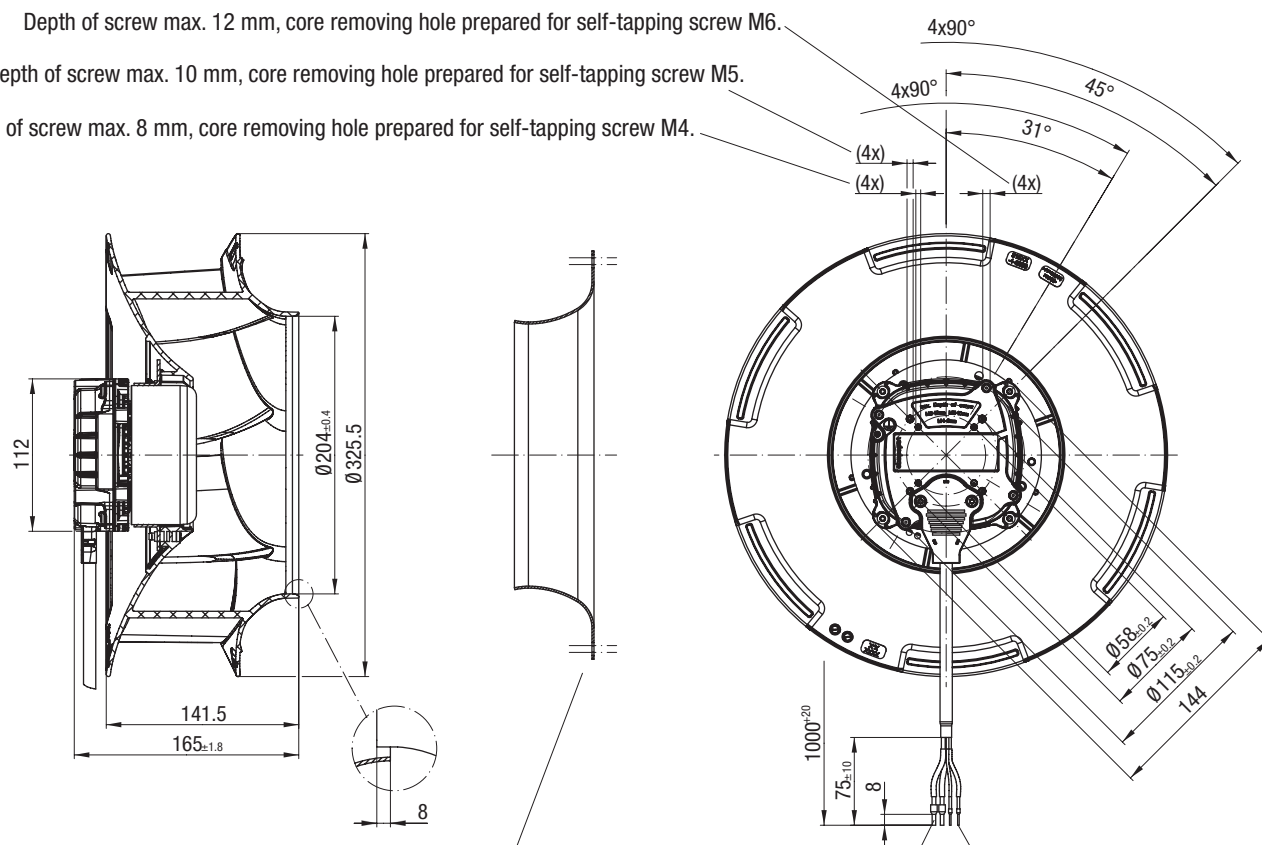
Air performance measured as per: ISO 5801, Installation category A, with ebm-papst inlet nozzle and without protection against accidental contact. Suction-side noise levels: L_{WA} as per ISO 13347, L_{pA} measured at 1 m distance to fan axis. The acoustic values given are only valid under the measurement 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. 81
- **Cable exit:** Lateral
- **Protection class:** III
- **Conformity with standards:** See P. 4
- **Approvals:** EAC

Depth of screw max. 12 mm, core removing hole prepared for self-tapping screw M6.

Depth of screw max. 10 mm, core removing hole prepared for self-tapping screw M5.

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



Accessory part:

Inlet ring 31000-2-4013,
not included in scope of delivery.
Dimensions: see "Accessories" chapter

Cable (halogen-free):

BETrans® 3 GKW 6 mm²,
2x crimped ferrules
(brown, black)

Cable (halogen-free):

BETrans® GKW R 1,0 mm²,
2x crimped ferrules
(yellow, white)