EC centrifugal fan – RadiCal

for railway applications, Ø 310



- **Material:** Impeller: plastic PA UL94 V0, black
  Rotor: coated in black
  Electronics housing: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Degree of protection:** IP 55 according to EN 60529
- **Insulation class:** "F"
- **Installation position:** Shaft horizontal or rotor on bottom, rotor on top on request
- **Condensation drainage holes:** Rotor-side
- **Mode:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

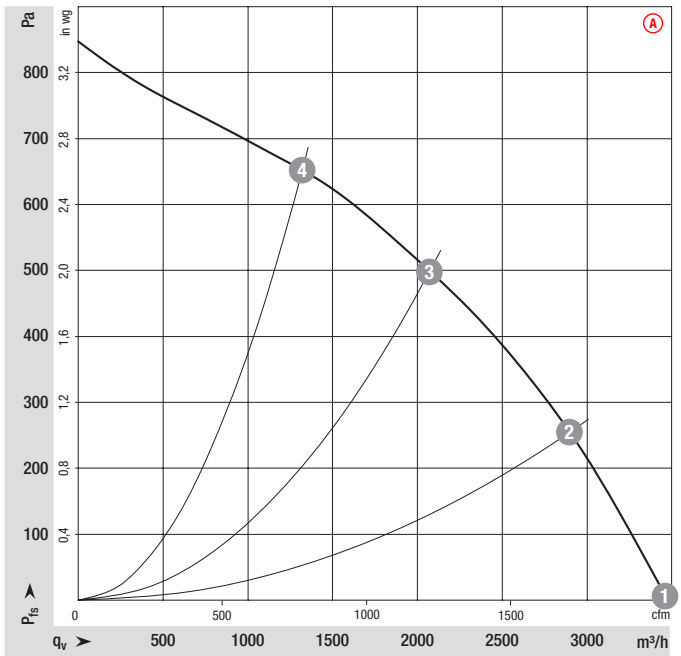
Nominal data

Type	Motor	Curve	Nominal voltage VDC	Voltage range VDC	Air flow m^3/h	Speed/rpm (1) rpm	Max. Input power (1) W	Max. Input current (1) A	Sound power level dB(A)	Perm. amb. temp. °C	Mass kg	Technical features and electrical connection
R3G 310-RR12 -P1	M3G 084-DF	Ⓐ	110	77-138	3475	2260	465	4,20	80	-40..+60	4,6	P. 82

subject to change

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

Curves:

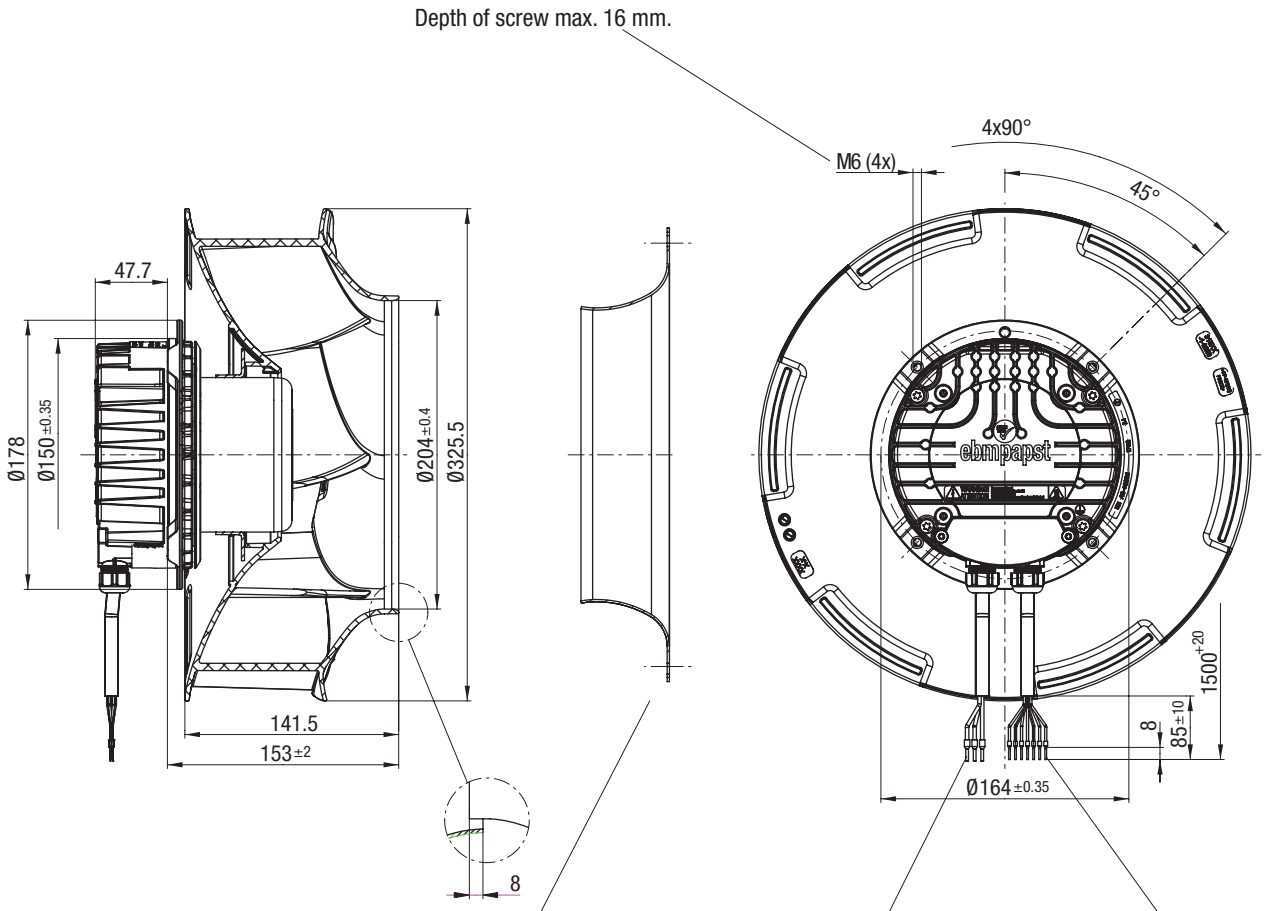


		n rpm	P_{ed} W	I A	L_{WA} dB(A)
Ⓐ	1	2355	356	3,24	80
Ⓐ	2	2290	436	3,96	75
Ⓐ	3	2260	465	4,20	68
Ⓐ	4	2300	441	4,00	72

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: Lw_A as per ISO 13347, Lp_A measured at 1 m distance to fan axis. The acoustic values given are only valid under the measurment 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.

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- **Technical features:** See electrical connections P. 82
- **Cable exit:** Lateral
- **Protection class:** I (if customer has provided connection for protective earth)
- **Conformity with standards:** See P. 4
- **Approvals:** EAC



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

Cable (halogen-free):
BETAtrans® 3 GKW flex, 4G 1.5 mm², 3x crimped ferrules.
1 lead not brought out

Cable (halogen-free):
BETAtrans® 3 GKW flex, 7x 0,5 mm², 7x crimped ferrules

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