



EC centrifugal fan – RadiCal

for railway applications, Ø 280



- **Material:** Impeller: plastic PA, 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 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

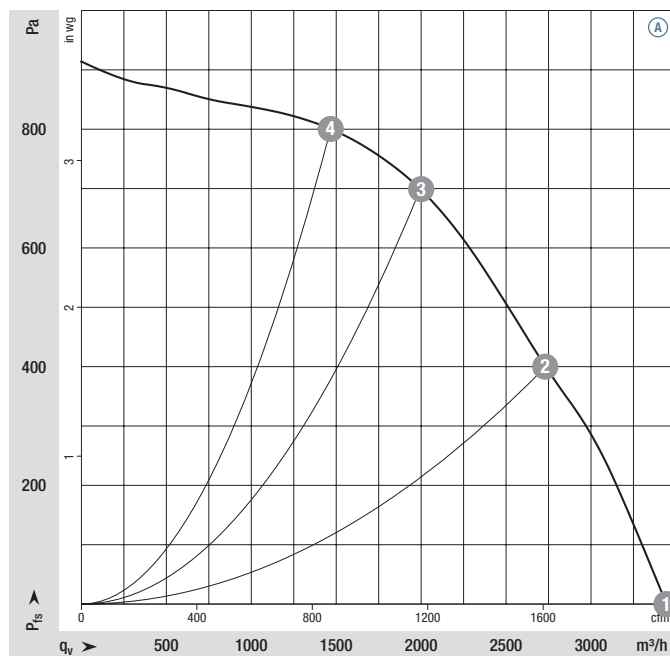
Nominal data

Type	Motor											
		VAC	VAC	m³/h	rpm	W	A	dB(A)	°C	kg		
R3G 280-RR05 -N1	M3G 084-DF	Ⓐ	400	380-480	3445	2900	640	1,05	86	-40..+60	4,9	P. 85

subject to change

(1) Nominal data in operating point with maximum load and 400 VAC

Curves:



	n rpm	P _{ed} W	I A	L _{WA} dB(A)
Ⓐ 1	2900	473	0,81	86
Ⓐ 2	2900	599	1,01	80
Ⓐ 3	2900	640	1,05	76
Ⓐ 4	2900	587	0,97	77

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. 85
- **Touch current:** $\leq 3,5$ mA
- **Cable exit:** Lateral
- **Protection class:** I (if customer has provided connection for protective earth)
- **Conformity with standards:** See P. 4
- **Approvals:** EAC

