



EC centrifugal fan – RadiCal

for railway applications, Ø 280



- **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

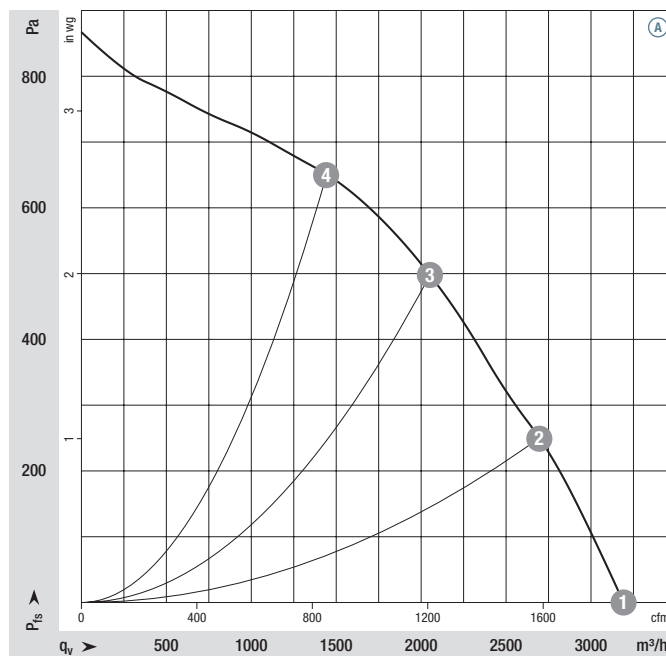
Nominal data

Type	Motor	Curve	Nominal voltage	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
			VDC	VDC	m³/h	rpm	W	A	dB(A)	°C	kg	
R3G 280-RR10 -P1	M3G 084-DF	A	110	77-138	3190	2600	475	4,30	83	-40..+60	4,2	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)
A 1	2670	377	3,42	83
A 2	2625	439	3,98	78
A 3	2600	475	4,30	73
A 4	2625	453	4,11	73

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

