



EC axial fan

for railway applications, Ø 500



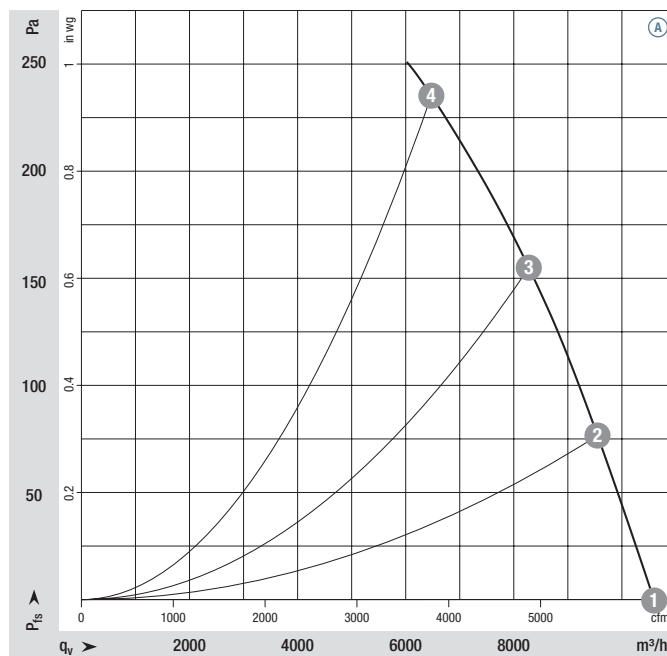
- **Material:** Impeller: plastic PA UL94 V0, black
Rotor: coated in black
Electronics housing: Die-cast aluminium
- **Number of blades:** 5
- **Direction of rotation:** Clockwise, seen on rotor
- **Degree of protection:** IP 55 according to EN 60529
- **Insulation class:** "F"
- **Installation position:** Any
- **Condensation drainage holes:** Rotor side
- **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	VAC	VAC	m³/h	rpm	W	A	dB(A)	°C	kg		
A3G 500-BA74 -N1	M3G 112-EA	A	400	380-480	6470	1600	1000	1,60	81	-40..+60	7,4	P. 85

subject to change

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

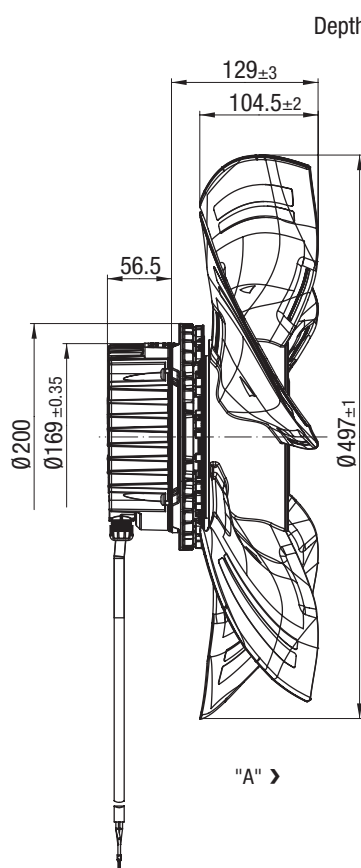
Curves:



Air performance measured as per: ISO 5801, Installation category A, 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. 82 ff.

	n rpm	P _{ed} W	I A	L _{wA} dB(A)
Ⓐ 1	1600	713	1,14	81
Ⓐ 2	1600	827	1,31	78
Ⓐ 3	1600	929	1,45	76
Ⓐ 4	1600	1000	1,60	77

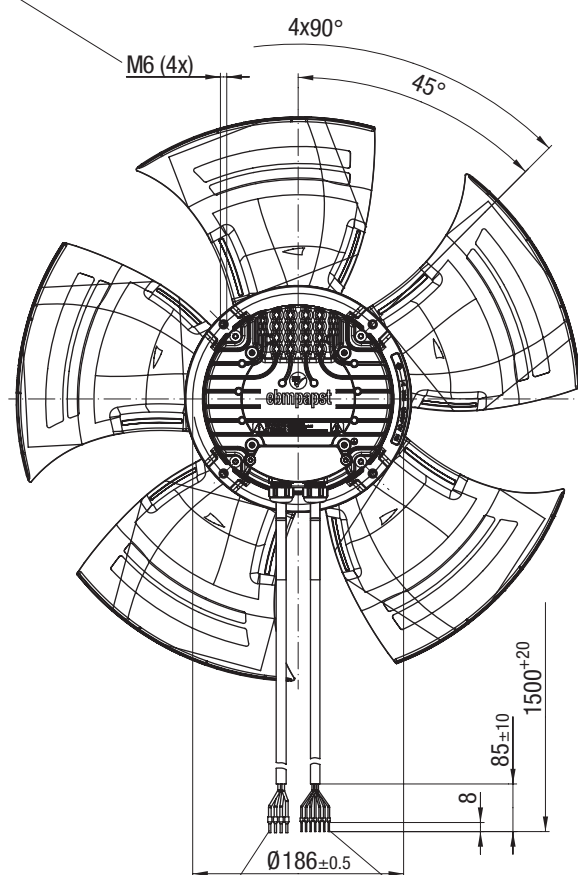
- **Technical features:** See electrical connections P. 85
- **Touch current:** $\leq 3,5$ mA
- **Cable exit:** Lateral
- **Protection class:** I (if customer has provided connection for protective earth)
- **Conformity with standards:** See P. 4
- **Approvals:** EAC



Attention!

Use the axial fan only with a suitable fan housing (not a standard housing). Consult ebm-papst for information.

Depth of screw max. 16 mm.



Cable (halogen-free):
BETatrans® 3 GKW flex,
4G 1,5 mm², 4x crimped ferrules

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