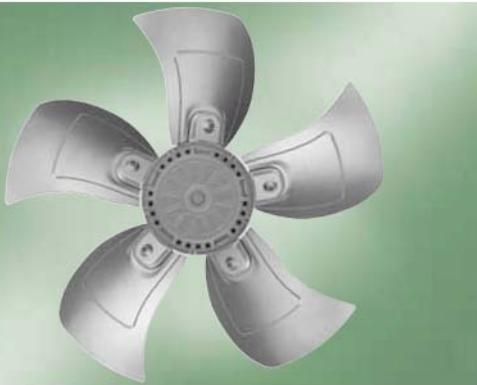


AC axial fans

S series, Ø 500



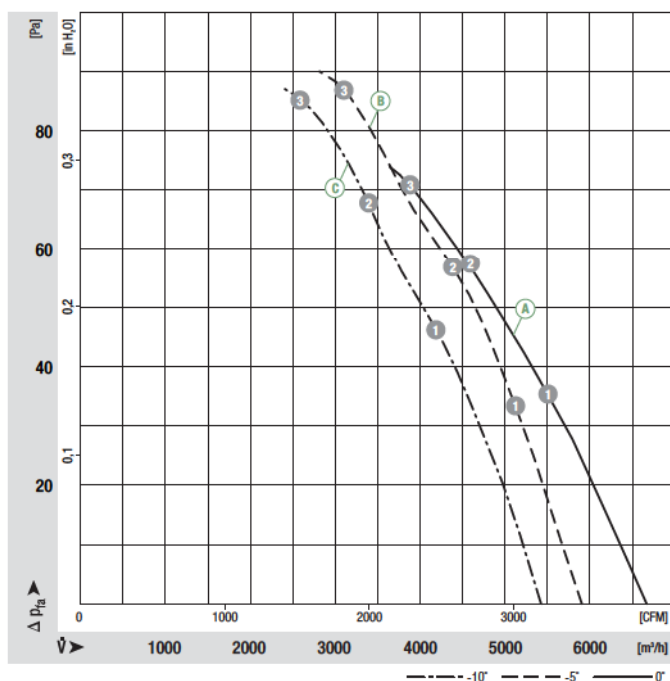
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Blade angle	Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Electr. connection
Type	Motor			VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 416 f.
*6E 500	M6E 110-EF	0°	A	1~ 230	50	890	0.30	1.32	8.0/400	70	-40 to +80	A2b)
*6E 500	M6E 110-EF	-5°	B	1~ 230	50	910	0.27	1.19	8.0/450	80	-40 to +85	A2b)
*6E 500	M6E 110-EF	-10°	C	1~ 230	50	930	0.25	1.10	8.0/450	85	-40 to +85	A2b)
*8E 500	M8E 110-EF	0°	D	1~ 230	50	690	0.19	1.11	4.0/450	40	-40 to +80	A2b)

subject to alterations

(1) Nominal data in operating point 3 with maximum load

Curves



	n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
A 1	910	0.28	1.20	71
A 2	900	0.29	1.25	69
A 3	890	0.30	1.32	70
B 1	935	0.24	1.04	69
B 2	925	0.25	1.09	69
B 3	910	0.27	1.19	72
C 1	945	0.23	0.99	69
C 2	940	0.24	1.04	71
C 3	930	0.25	1.10	74

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Via terminal box
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)

Direction of air flow	< "V"/"A" >		< "V"/"A" >		< "V" >		< "V" >		"A" >		"A" >		< "V" >	
	Without attachments		With full square nozzle		With guard grille for full nozzle		With guard grille for short nozzle		With guard grille for full nozzle		With guard grille for short nozzle		In-line duct fan	
"V"	A6E 500-AG03 -01		W6E 500-GG03 -01		S6E 500-CG03 -01		S6E 500-AG03 -01		—		—		W6E 500-IG03 -01	
"A"	A6E 500-AG03 -02		W6E 500-DG03 -02		—		—		S6E 500-BG03 -02		S6E 500-AG03 -02		—	
"V"	A6E 500-AH03 -01		W6E 500-GH03 -01		S6E 500-CH03 -01		S6E 500-AH03 -01		—		—		—	
"A"	A6E 500-AH03 -02		W6E 500-DH03 -02		—		—		S6E 500-BH03 -02		S6E 500-AH03 -02		—	
"V"	A6E 500-AI03 -01		W6E 500-GI03 -01		S6E 500-CI03 -01		S6E 500-AI03 -01		—		—		—	
"A"	A6E 500-AI03 -02		W6E 500-DI03 -02		—		—		S6E 500-BI03 -02		S6E 500-AI03 -02		—	
"V"	A8E 500-AG01 -01		W8E 500-GG01 -01		S8E 500-CG01 -01		S8E 500-AG01 -01		—		—		—	
"A"	A8E 500-AG01 -02		W8E 500-DG01 -02		—		—		S8E 500-BG01 -02		S8E 500-AG01 -02		—	

Curves

