AC axial fans

S series, Ø 400



- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades: Sheet steel, coated in black
  Rotor: Coated in black
- **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 44
- **Insulation class:** Ⓐ Ⓑ "B", Ⓒ "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

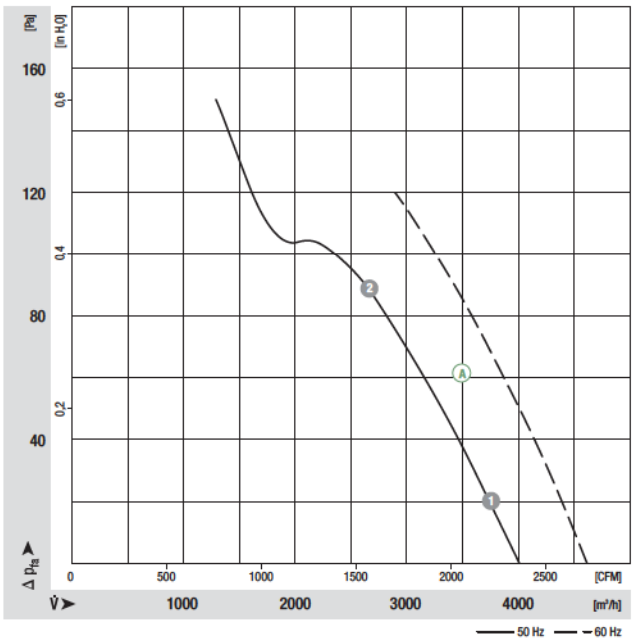
Nominal data		Curve	Nominal voltage	Frequency	Air flow	Speed/rpm	Power input	Current draw	Capacitor	Sound pressure level	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	**Motor**		**VAC**	**Hz**	**m³/h**	**rpm**	**W**	**A**	**µF/VDB**	**dB(A)**	**Pa**	**°C**	**kg**	p. 416 f.
***4D 400** (1)(2)	M4D 074-EI	Ⓐ	3~ 230/400	50	4000	1450	135	0.76/0.44	—	68	150	-25 to +40	4.2	C1)/C2)
			3~ 230/400	60	4610	1690	185	0.68/0.39	—	72	120	-25 to +40		
***4E 400**	M4E 074-EI	Ⓑ	1~ 230	50	4235	1430	160	0.73	6.0/400	69	150	-25 to +40	4.2	A1)
			1~ 230	60	4950	1700	240	1.06	6.0/400	73	75	-25 to +40		
***6E 400**	M6E 074-DF	Ⓒ	1~ 230	50	3290	940	120	0.55	3.0/450	59	50	-25 to +40	4.0	A1)
			1~ 230	60	3780	1080	170	0.75	3.0/400	62	40	-25 to +60		

subject to alterations

(1) 400 VAC Δ/Y for two speed steps available on request

(2) 230 VAC Δ / 400 VAC Y

Curves



	n [rpm]	P_1 [W]	I [A]
Ⓐ ❶	1440	152	0.82/0.47
Ⓐ ❷	1415	195	0.86/0.50

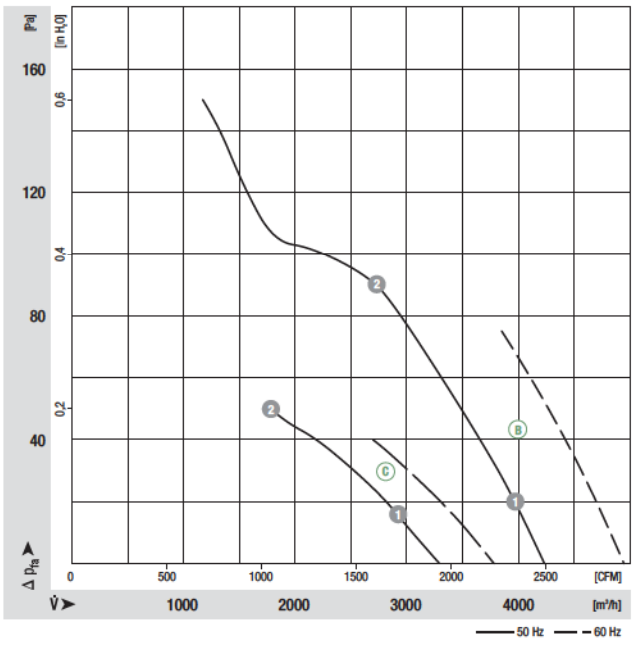
Drawings
p. 54 f.

ebmpapst

- **Motor protection:** Ⓐ Without TOP, Ⓑ Ⓒ TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, Ⓑ Ⓒ also CE
- **Approvals:** CCC
- **Options:** Terminal box

Direction of air flow	❮ "V"/"A" ❯ Without attachments	❮ "V"/"A" ❯ With full round nozzle	❮ "V"/"A" ❯ With guard grille for full nozzle	❮ "V"/"A" ❯ With guard grille for short nozzle	❮ "V" In-line duct fan
"V"	A4D 400-AP12 -01	W4D 400-CP12 -30	S4D 400-BP12 -30	S4D 400-AP12 -03	W4D 400-IP12 -01
"A"	A4D 400-AP12 -02	W4D 400-CP12 -31	S4D 400-BP12 -31	S4D 400-AP12 -04	—
"V"	A4E 400-AP02 -01	W4E 400-CP02 -30	S4E 400-BP02 -30	S4E 400-AP02 -03	W4E 400-IP02 -01
"A"	A4E 400-AP02 -02	W4E 400-CP02 -31	S4E 400-BP02 -31	S4E 400-AP02 -04	—
"V"	A6E 400-AP10 -01	W6E 400-CP10 -30	S6E 400-BP10 -30	S6E 400-AP10 -30	—
"A"	A6E 400-AP10 -02	W6E 400-CP10 -31	S6E 400-BP10 -31	S6E 400-AP10 -31	—

Curves



	n [rpm]	P_1 [W]	I [A]
Ⓑ ❶	1430	172	0.78
Ⓑ ❷	1395	210	0.93
Ⓒ ❶	935	126	0.57
Ⓒ ❷	895	140	0.62

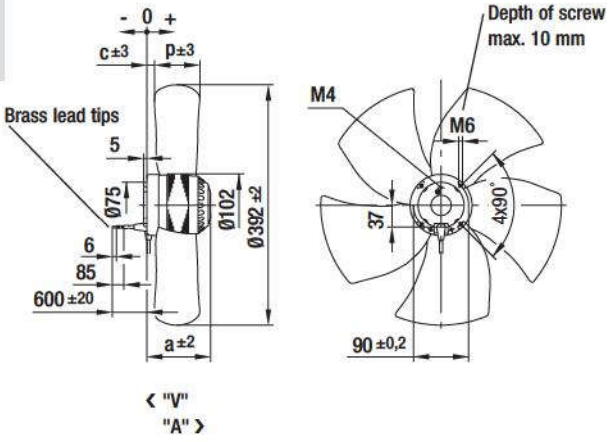
Guard grille p. 362 ff. | Streamer p. 371 | Wall ring p. 372 f. | Terminal box p. 381 | Capacitor p. 382 f. | Electr. connections p. 416 f.

General information | AC axial fans | AC axial S series | AC axial K series | AC axial A series | EC axial fans | EC axial S series | Q-motor | ESM | EC-SYSTEMS | Accessories | Technology | Contacts

AC axial fans

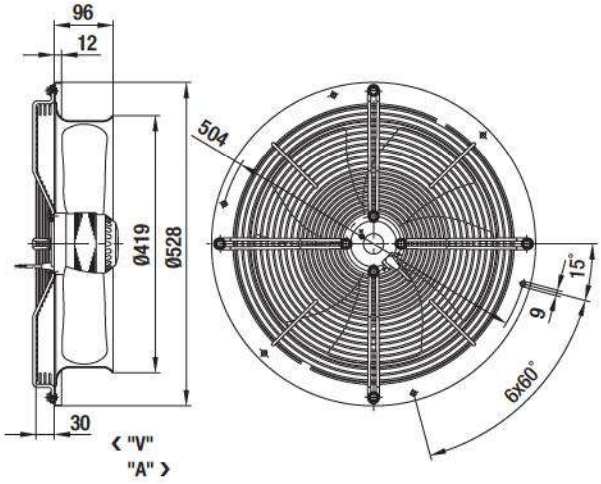
S series, Ø 400, drawings of directions of air flow "V" and "A"

Without attachments



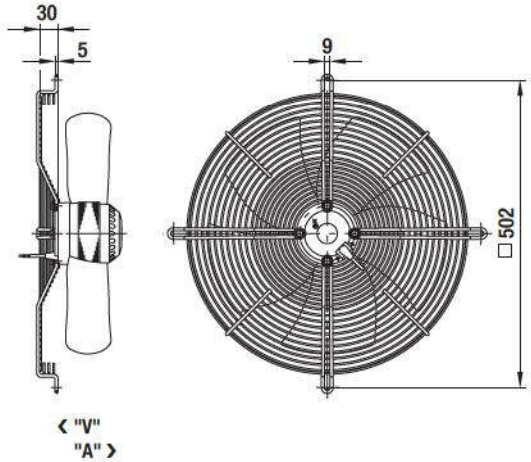
Type		a	c	p
A4D 400-AP12 -01	"V"	117.0	26.0	68.0
A4D 400-AP12 -02	"A"	117.0	22.0	68.0
A4E 400-AP02 -01	"V"	117.0	26.0	68.0
A4E 400-AP02 -02	"A"	117.0	22.0	68.0
A6E 400-AP10 -01	"V"	104.0	-5.0	90.0
A6E 400-AP10 -02	"A"	104.0	14.0	88.0

With full round nozzle



Type	
W4D 400-CP12 -30	"V"
W4D 400-CP12 -31	"A"
W4E 400-CP02 -30	"V"
W4E 400-CP02 -31	"A"
W6E 400-CP10 -30	"V"
W6E 400-CP10 -31	"A"

With guard grille for full nozzle



Type	
S4D 400-BP12 -30	"V"
S4D 400-BP12 -31	"A"
S4E 400-BP02 -30	"V"
S4E 400-BP02 -31	"A"
S6E 400-BP10 -30	"V"
S6E 400-BP10 -31	"A"