

AC axial fans

S series, Ø 250



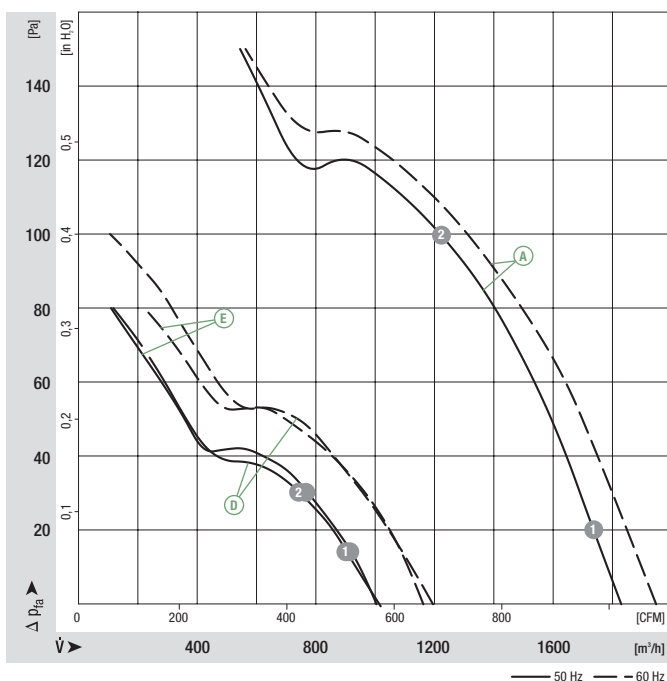
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 7
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **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.	
*2D 250 ⁽¹⁾	M2D 068-CF	Ⓐ 3~ 230/400	50	1830	2500	100	0.34/0.20	—	69	150	-25 to +65	2.1	C1)/C2)	
		Ⓐ 3~ 230/400	60	1950	2650	140	0.40/0.23	—	70	150	-25 to +45			
*2E 250	M2E 068-CF	Ⓑ 1~ 230	50	1820	2450	115	0.51	3.0/400	69	120	-25 to +65	1.9	A1)	
		Ⓑ 1~ 230	60	1970	2600	150	0.66	3.0/400	71	85	-25 to +50			
*4D 250 ⁽¹⁾	M4D 068-CF	Ⓒ 3~ 230/400	50	1010	1400	25	0.12/0.07	—	54	70	-25 to +85	1.9	C1)/C2)	
		Ⓒ 3~ 230/400	60	1140	1580	32	0.12/0.07	—	57	70	-25 to +80			
*4E 250	M4E 068-BF	Ⓓ 1~ 230	50	1010	1400	42	0.19	1.5/400	54	80	-25 to +55	1.9	A1)	
		Ⓓ 1~ 230	60	1200	1630	45	0.20	1.5/400	58	100	-25 to +70			
*4S 250	M4S 068-CF	Ⓔ 1~ 230	50	1000	1390	69	0.53	—	54	80	-25 to +50	1.7	B)	
		Ⓔ 1~ 230	60	1160	1600	63	0.45	—	58	80	-25 to +65			

subject to alterations


(1) 230 VAC Δ / 400 VAC Y

Curves



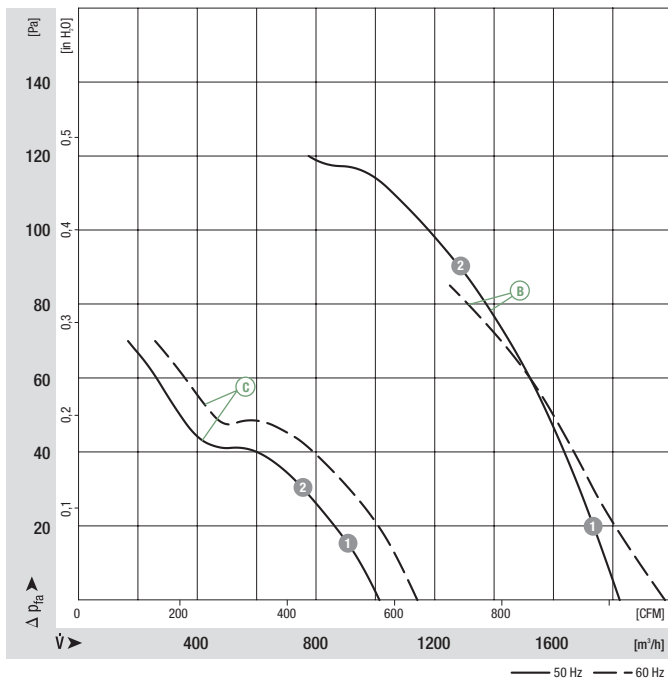
Curve	n [rpm]	P ₁ [W]	I [A]
Ⓐ 1	2455	106	0.34/0.20
Ⓐ 2	2310	125	0.38/0.22
Ⓓ 1	1370	43	0.20
Ⓓ 2	1360	45	0.20
Ⓔ 1	1370	71	0.53
Ⓔ 2	1360	73	0.53

- **Motor protection:** (A) (C) Without TOP, (B) (D) (E) TOP wired internally
- **Cable exit:** (A) (C) (E) Lateral, (B) (D) variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, (B) (D) (E) also CE
- **Approvals:** (A) (B) (D) CCC; (D) also GOST

Direction of air flow				
	Without attachments	With full round nozzle ⁽¹⁾	With guard grille for full nozzle	With guard grille for short nozzle
"V"	A2D 250-AH02 -01	W2D 250-CH02 -01	S2D 250-BH02 -01	S2D 250-AH02 -01
"A"	A2D 250-AI02 -01	W2D 250-CI02 -01	S2D 250-BI02 -01	S2D 250-AI02 -01
"V"	A2E 250-AL06 -01	W2E 250-CL06 -01	S2E 250-BL06 -01	S2E 250-AL06 -01
"A"	A2E 250-AM06 -01	W2E 250-CM06 -01	S2E 250-BM06 -01	S2E 250-AM06 -01
"V"	A4D 250-AH22 -01	W4D 250-CH22 -01	S4D 250-BH22 -01	S4D 250-AH22 -01
"A"	A4D 250-AI22 -01	W4D 250-CI22 -01	S4D 250-BI22 -01	S4D 250-AI22 -01
"V"	A4E 250-AH02 -01	W4E 250-CH02 -01	S4E 250-BH02 -01	S4E 250-AH02 -01
"A"	A4E 250-AI02 -01	W4E 250-CI02 -01	S4E 250-BI02 -01	S4E 250-AI02 -01
"V"	A4S 250-AH02 -01	W4S 250-CH02 -01	S4S 250-BH02 -01	S4S 250-AH02 -01
"A"	A4S 250-AI02 -01	W4S 250-CI02 -01	S4S 250-BI02 -01	S4S 250-AI02 -01

(1) Increased noise levels in "V" direction of air flow

Curves



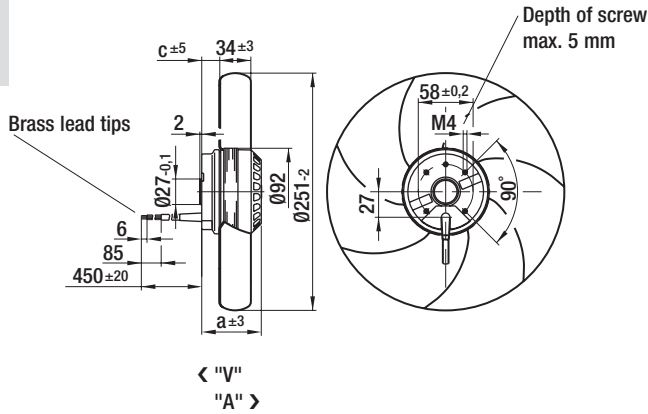
	n [rpm]	P ₁ [W]	I [A]
(B) 1	2455	116	0.51
(B) 2	2290	132	0.57
(C) 1	1375	27	0.12/0.07
(C) 2	1350	30	0.12/0.07

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S series, Ø 250, drawings of directions of air flow "V" and "A"



Without attachments

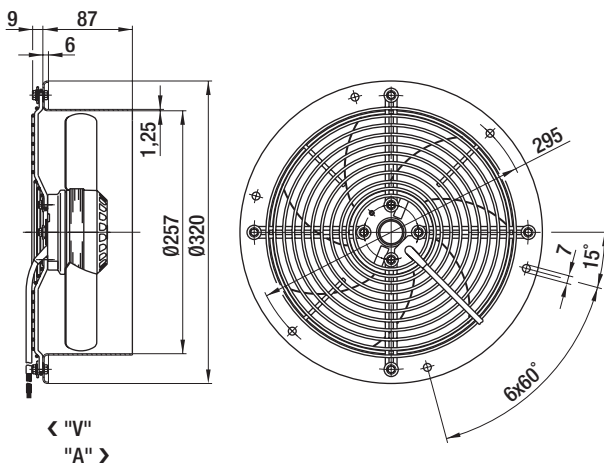


Type

Type		a	c
A2D 250-AH02 -01	"V"	72.0	18.0
A2D 250-AI02 -01	"A"	72.0	21.0
A2E 250-AL06 -01	"V"	72.0	18.0
A2E 250-AM06 -01	"A"	72.0	27.0
A4D 250-AH22 -01	"V"	72.0	18.0
A4D 250-AI22 -01	"A"	72.0	27.0
A4E 250-AH02 -01	"V"	62.0	14.0
A4E 250-AI02 -01	"A"	62.0	22.0
A4S 250-AH02 -01	"V"	72.0	18.0
A4S 250-AI02 -01	"A"	72.0	23.0



With full round nozzle

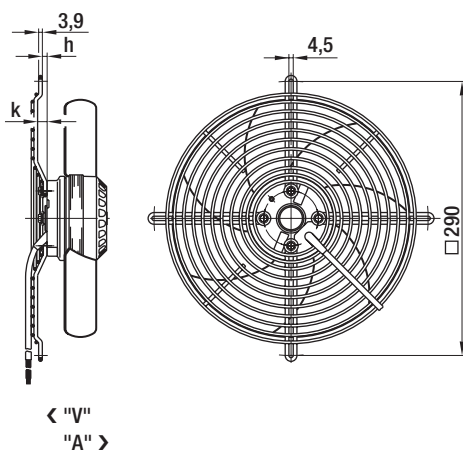


Type

W2D 250-CH02 -01	"V"
W2D 250-CI02 -01	"A"
W2E 250-CL06 -01	"V"
W2E 250-CM06 -01	"A"
W4D 250-CH22 -01	"V"
W4D 250-CI22 -01	"A"
W4E 250-CH02 -01	"V"
W4E 250-CI02 -01	"A"
W4S 250-CH02 -01	"V"
W4S 250-CI02 -01	"A"



With guard grille for full nozzle



Type

Type		h	k
S2D 250-BH02 -01	"V"	5.0	10.0
S2D 250-BI02 -01	"A"	0	0
S2E 250-BL06 -01	"V"	5.0	10.0
S2E 250-BM06 -01	"A"	0	0
S4D 250-BH22 -01	"V"	5.0	10.0
S4D 250-BI22 -01	"A"	0	0
S4E 250-BH02 -01	"V"	5.0	10.0
S4E 250-BI02 -01	"A"	0	0
S4S 250-BH02 -01	"V"	5.0	10.0
S4S 250-BI02 -01	"A"	0	0