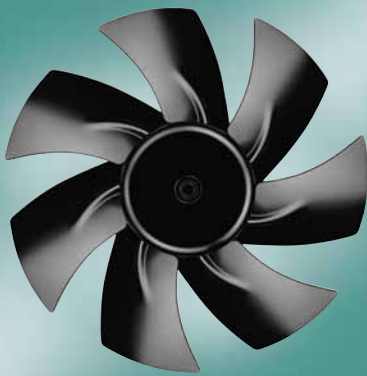


EC axial fans 24/48 VDC

S series, Ø 250

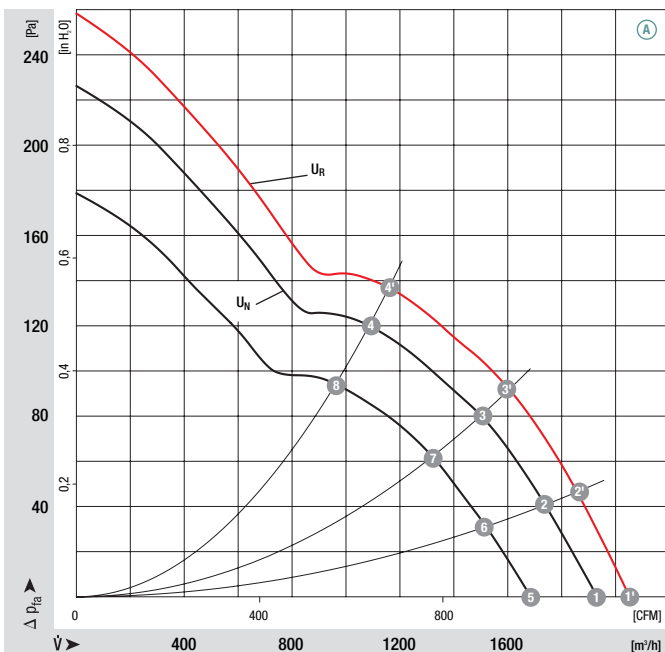


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 7 for direction of air flow "V", 9 for direction of air flow "A"
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	Motor		VDC	VDC	m³/h	rpm	W	A	dB(A)	Pa	°C	kg	p. 420
*1G 250	M1G 074-BF	(A)	24	16-28	1920	2750	105	5.00	70	—	-25 to +60	1.6	G)
*1G 250	M1G 074-BF	(A)	48	36-57	1920	2750	105	2.60	70	—	-25 to +60	1.6	G)

subject to alterations

Curves



	n [rpm]	P ₁ [W]	Lp _A [dB(A)]	η _{tL} [%]
(A) 1'	2920	129	71	—
(A) 2'	2800	132	72	63
(A) 3'	2680	135	71	60
(A) 4'	2600	139	73	45
(A) 1	2750	105	70	—
(A) 2	2630	110	69	63
(A) 3	2520	111	69	60
(A) 4	2440	114	71	45
(A) 5	2610	73	66	—
(A) 6	2320	75	67	63
(A) 7	2230	78	67	60
(A) 8	2170	80	68	45

- **Technical features:**

• Control input 0-10 VDC / PWM

– **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2

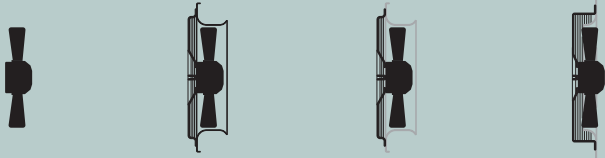
– **Cable exit:** Variable

– **Protection class:** I

– **Product conforming to standard:** EN 60950-1

– **Approvals:** UL, CSA

• Tach output

• Polarity and locked rotor protection
- | Direction of air flow |  | | | |
|-----------------------|---|---------------------------------------|-----------------------------------|------------------------------------|
| | Without attachments | With full round nozzle ⁽¹⁾ | With guard grille for full nozzle | With guard grille for short nozzle |
| "V" | A1G 250-AH37 -52 | W1G 250-CH37 -52 | S1G 250-BH37 -52 | S1G 250-AH37 -52 |
| "A" | A1G 250-AI37 -52 | W1G 250-CI37 -52 | S1G 250-BI37 -52 | S1G 250-AI37 -52 |
| "V" | A1G 250-AH67 -52 | W1G 250-CH67 -52 | S1G 250-BH67 -52 | S1G 250-AH67 -52 |
| "A" | A1G 250-AI67 -52 | W1G 250-CI67 -52 | S1G 250-BI67 -52 | S1G 250-AI67 -52 |
- (1) Increased noise levels in "V" direction of air flow
- ebmpapst
- Drawings
p. 192 f.

Guard grille
p. 362 f.

Wall ring
p. 372 f.

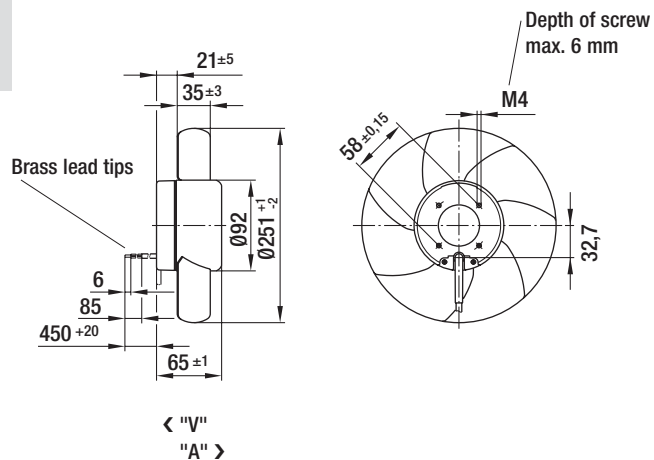
Electr. connection
p. 420
- 191

EC axial fans 24/48 VDC

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



Without attachments

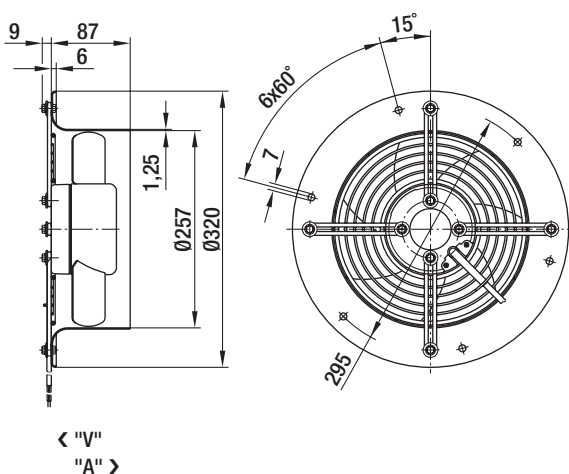


Type

A1G 250-AH37 -52	"V"
A1G 250-AI37 -52	"A"
A1G 250-AH67 -52	"V"
A1G 250-AI67 -52	"A"



With full round nozzle

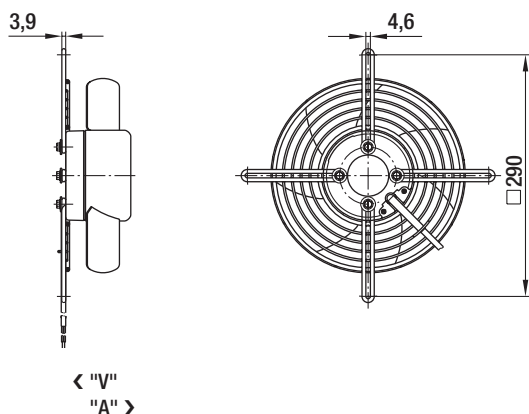


Type

W1G 250-CH37 -52	"V"
W1G 250-CI37 -52	"A"
W1G 250-CH67 -52	"V"
W1G 250-CI67 -52	"A"



With guard grille for full nozzle



Type

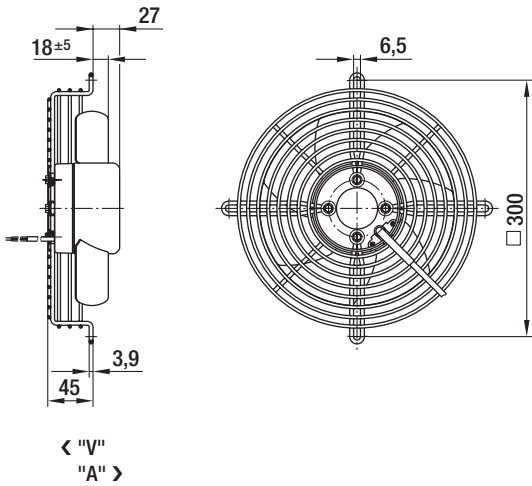
S1G 250-BH37 -52	"V"
S1G 250-BI37 -52	"A"
S1G 250-BH67 -52	"V"
S1G 250-BI67 -52	"A"



With guard grille for short nozzle

Type

S1G 250-AH37 -52	"V"
S1G 250-AI37 -52	"A"
S1G 250-AH67 -52	"V"
S1G 250-AI67 -52	"A"



Mouser Electronics

Authorized Distributor

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[ebm-papst:](#)

[W1G250-CH37-52](#) [W1G250-CH67-52](#) [W1G250-CI37-52](#) [W1G250-CI67-52](#)