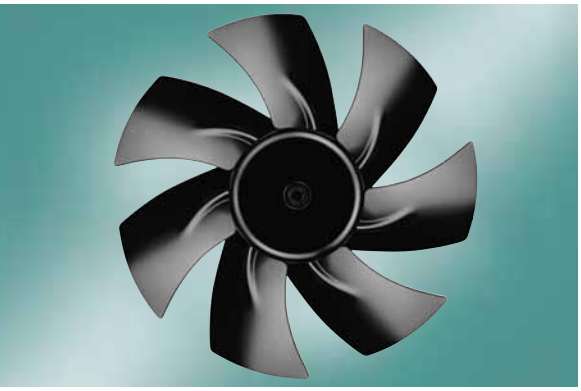
EC axial fans 24/48 VDC

S series, Ø 250

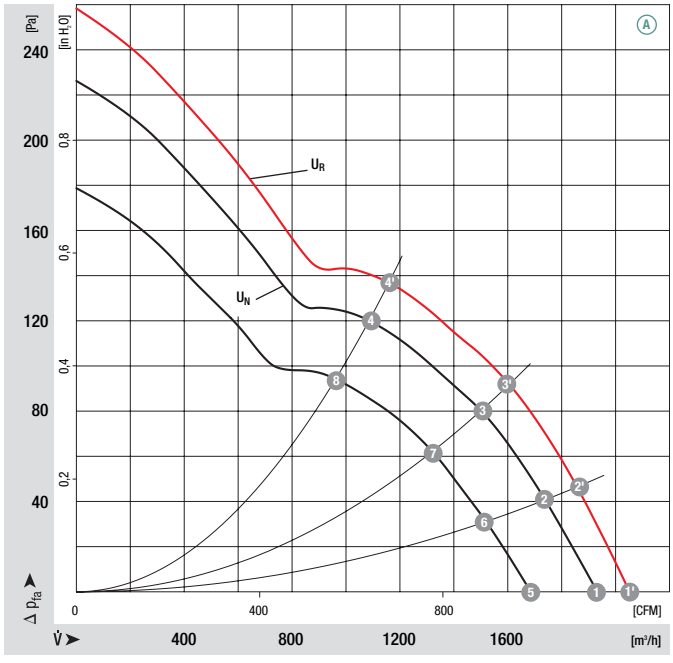


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades: Sheet steel, coated in black
  Rotor: Coated in black
- **Number of blades:** 7 for direction of air flow "V", 9 for direction of air flow "A"
- **Direction 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**	M1G074-BF	Ⓐ	24	16-28	1920	2750	105	5.00	70	—	-25 to +60	1.6	G)
***1G 250**	M1G074-BF	Ⓐ	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} [%]
Ⓐ 1'	2920	129	71	—
Ⓐ 2'	2800	132	72	63
Ⓐ 3'	2680	135	71	60
Ⓐ 4'	2600	139	73	45
Ⓐ 1	2750	105	70	—
Ⓐ 2	2630	110	69	63
Ⓐ 3	2520	111	69	60
Ⓐ 4	2440	114	71	45
Ⓐ 5	2610	73	66	—
Ⓐ 6	2320	75	67	63
Ⓐ 7	2230	78	67	60
Ⓐ 8	2170	80	68	45

ebmpapst

– **Technical features:**
  - Control input 0-10 VDC / PWM
  - Tach output
  - Polarity and locked rotor protection
– **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

Direction of air flow


‹ "V"/"A" ›
Without attachments


‹ "V"/"A" ›
With full round nozzle (1)


‹ "V"/"A" ›
With guard grille for full nozzle


‹ "V"/"A" ›
With guard grille for short nozzle

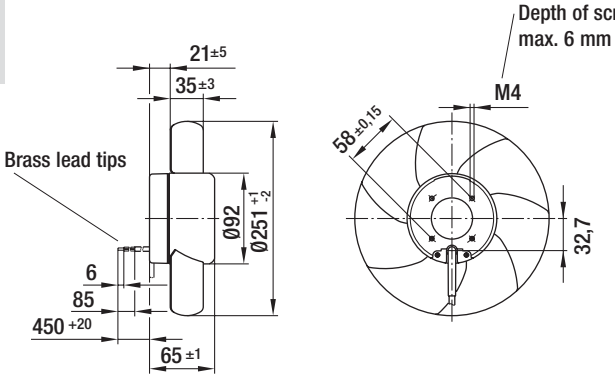
"V"	A1G 250-AH37 -52	W1G 250-CH37 -52	S1G 250-BH37 -52	S1G 250-AH37 -52
"A"	A1G 250-AI37 -52	W1G 250-CI37 -52	S1G 250-BI37 -52	S1G 250-AI37 -52
"V"	A1G 250-AH67 -52	W1G 250-CH67 -52	S1G 250-BH67 -52	S1G 250-AH67 -52
"A"	A1G 250-AI67 -52	W1G 250-CI67 -52	S1G 250-BI67 -52	S1G 250-AI67 -52

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

EC axial fans 24/48 VDC

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

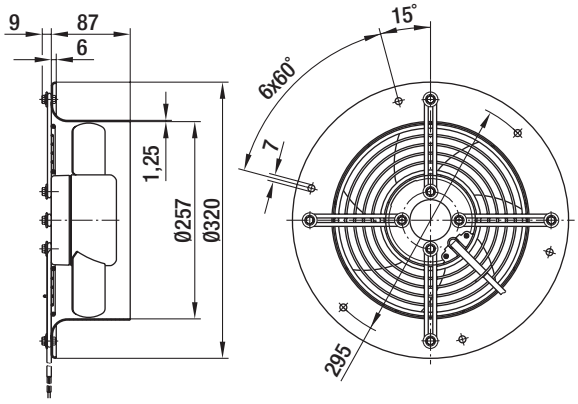
Without attachments



‹ "V"
"A" ›

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

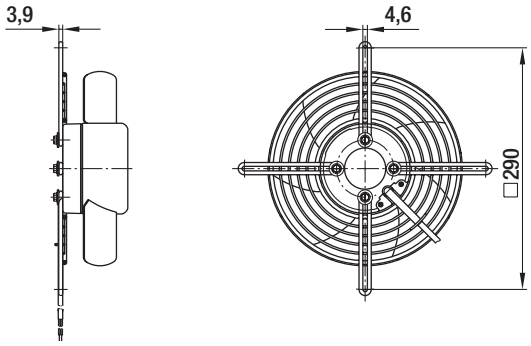
With full round nozzle



‹ "V"
"A" ›

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

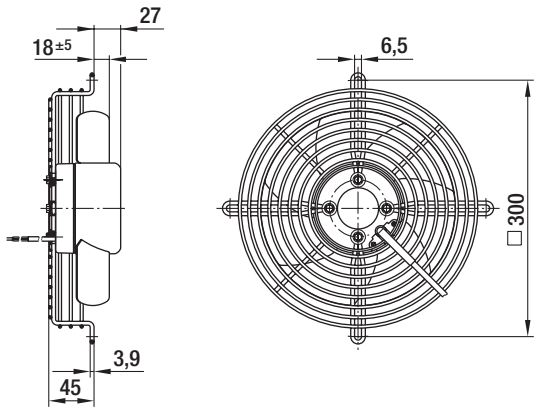


‹ "V"
"A" ›

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



‹ "V"
"A" ›

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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ebm-papst:

W1G250-CH37-52 W1G250-CH67-52 W1G250-CI37-52 W1G250-CI67-52 W1G250-HH37-52 W1G250-HH67-52