

AC axial fans S series

AC axial fans, S series

Ø 200 - Ø 450

24

AC axial fans, S series

Ø 500 - Ø 910

74



AC axial fans

S series, Ø 200

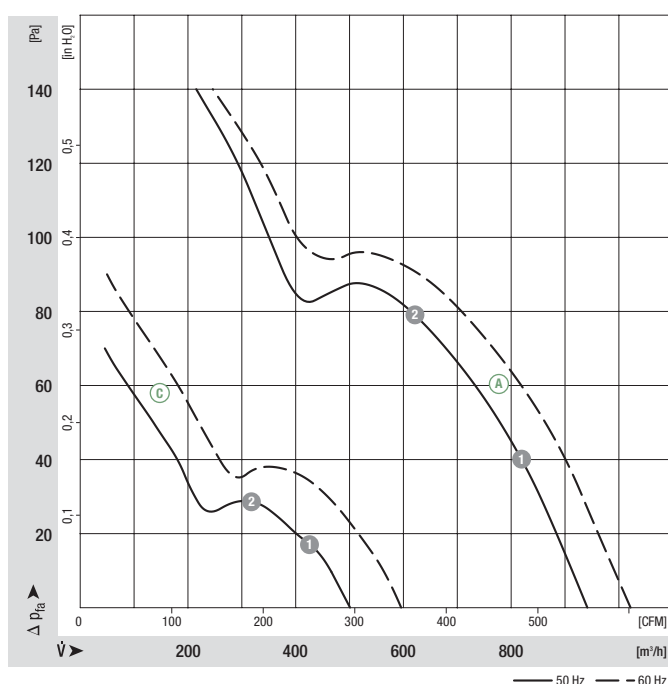


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- Number of blades:** 9
- Direction of rotation:** Counter-clockwise, seen on rotor
- Type of protection:** 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 200 ⁽¹⁾	M2D 068-BF	A	3~ 230/400	50 60	890 990	2600 2900	68 70	0.29/0.17 0.23/0.13	— —	65 68	140 140	-25 to +45 -25 to +70	1.6	C1)/C2)
*2E 200	M2E 068-BF	B	1~ 230 1~ 230	50 60	890 990	2600 2900	64 78	0.30 0.34	1.5/400 1.5/400	65 68	150 150	-25 to +70 -25 to +70	1.4	A1)
*4D 200 ⁽¹⁾	M4D 068-BF	C	3~ 230/400 3~ 230/400	50 60	500 600	1440 1690	20 20	0.12/0.07 0.10/0.06	— —	43 47	70 90	-25 to +80 -25 to +90	1.4	C1)/C2)
*4S 200	M4S 068-BF	D	1~ 230 1~ 230	50 60	470 540	1370 1580	30 27	0.21 0.19	— —	42 46	50 50	-25 to +75 -25 to +80	1.2	B)

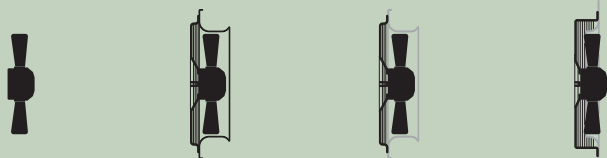
subject to alterations (1) 230 VAC Δ / 400 VAC Y

Curves



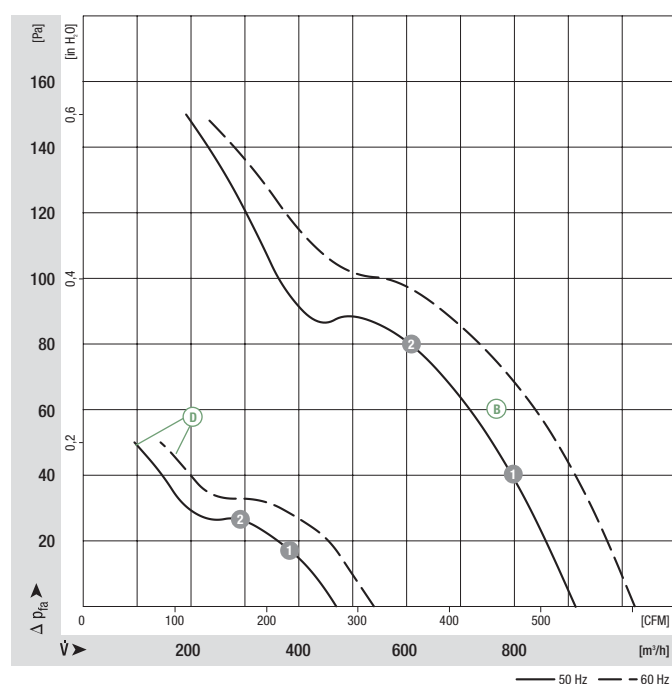
	n [rpm]	P ₁ [W]	I [A]
A 1	2540	70	0.29/0.17
A 2	2470	74	0.29/0.17
C 1	1430	21	0.12/0.07
C 2	1420	23	0.12/0.07

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

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" "A"	A2D 200-AH18 -01 A2D 200-AI18 -01	W2D 200-CH18 -01 W2D 200-CI18 -01	S2D 200-BH18 -01 S2D 200-BI18 -01	S2D 200-AH18 -01 S2D 200-AI18 -01
"V" "A"	A2E 200-AH38 -01 A2E 200-AI38 -01	W2E 200-CH38 -01 W2E 200-CI38 -01	S2E 200-BH38 -01 S2E 200-BI38 -01	S2E 200-AH38 -01 S2E 200-AI38 -01
"V" "A"	A4D 200-AH14 -01 A4D 200-AI14 -01	W4D 200-CH14 -01 W4D 200-CI14 -01	S4D 200-BH14 -01 S4D 200-BI14 -01	S4D 200-AH14 -01 S4D 200-AI14 -01
"V" "A"	A4S 200-AH04 -01 A4S 200-AI04 -01	W4S 200-CH04 -01 W4S 200-CI04 -01	S4S 200-BH04 -01 S4S 200-BI04 -01	S4S 200-AH04 -01 S4S 200-AI04 -01

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

Curves



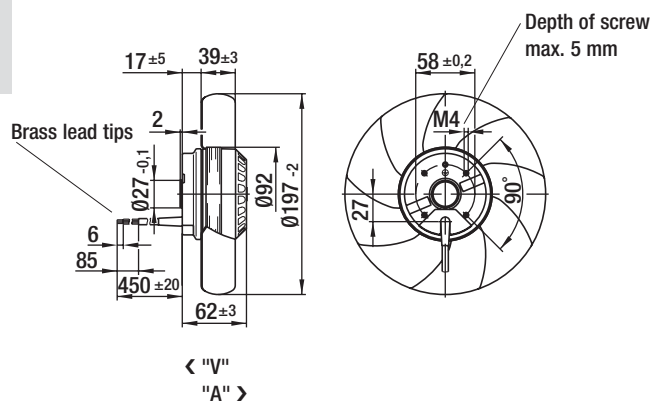
	n [rpm]	P ₁ [W]	I [A]
(B) 1	2555	67	0.31
(B) 2	2465	70	0.32
(D) 1	1360	31	0.22
(D) 2	1350	31	0.22

AC axial fans

S series, Ø 200, drawings of directions of air flow "V" and "A"



Without attachments

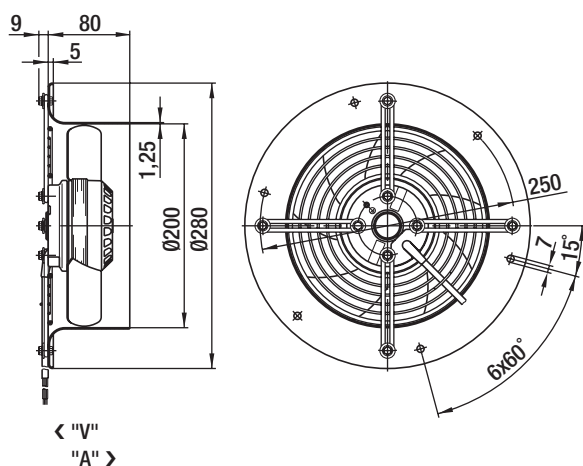


Type

A2D 200-AH18 -01	"V"
A2D 200-AI18 -01	"A"
A2E 200-AH38 -01	"V"
A2E 200-AI38 -01	"A"
A4D 200-AH14 -01	"V"
A4D 200-AI14 -01	"A"
A4S 200-AH04 -01	"V"
A4S 200-AI04 -01	"A"



With full round nozzle

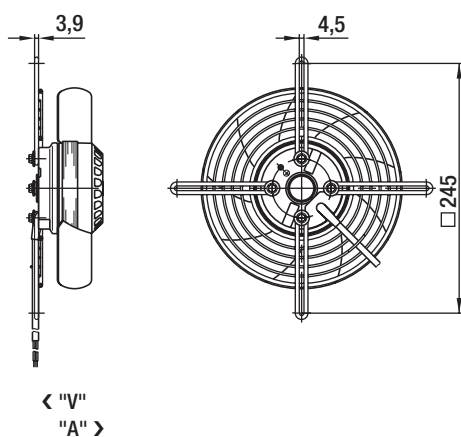


Type

W2D 200-CH18 -01	"V"
W2D 200-CI18 -01	"A"
W2E 200-CH38 -01	"V"
W2E 200-CI38 -01	"A"
W4D 200-CH14 -01	"V"
W4D 200-CI14 -01	"A"
W4S 200-CH04 -01	"V"
W4S 200-CI04 -01	"A"



With guard grille for full nozzle

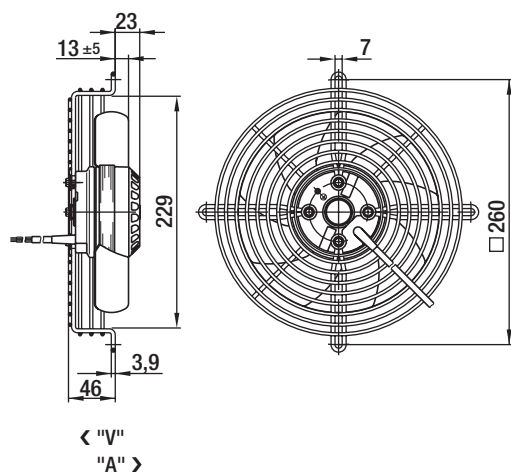


Type

S2D 200-BH18 -01	"V"
S2D 200-BI18 -01	"A"
S2E 200-BH38 -01	"V"
S2E 200-BI38 -01	"A"
S4D 200-BH14 -01	"V"
S4D 200-BI14 -01	"A"
S4S 200-BH04 -01	"V"
S4S 200-BI04 -01	"A"



With guard grille for short nozzle



Type

S2D 200-AH18 -01	"V"
S2D 200-AI18 -01	"A"
S2E 200-AH38 -01	"V"
S2E 200-AI38 -01	"A"
S4D 200-AH14 -01	"V"
S4D 200-AI14 -01	"A"
S4S 200-AH04 -01	"V"
S4S 200-AI04 -01	"A"

AC axial fans

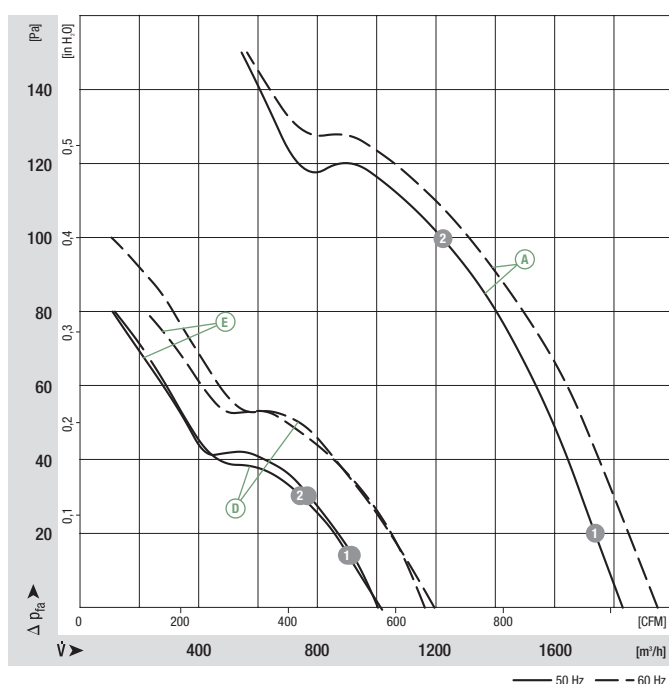
S series, Ø 250



- 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	(A)	3~ 230/400 3~ 230/400	50 60	1830 1950	2500 2650	100 140	0.34/0.20 0.40/0.23	— —	69 70	150 150	-25 to +65 -25 to +45	2.1	C1)/C2)
*2E 250	M2E 068-CF	(B)	1~ 230 1~ 230	50 60	1820 1970	2450 2600	115 150	0.51 0.66	3.0/400 3.0/400	69 71	120 85	-25 to +65 -25 to +50	1.9	A1)
*4D 250 ⁽¹⁾	M4D 068-CF	(C)	3~ 230/400 3~ 230/400	50 60	1010 1140	1400 1580	25 32	0.12/0.07 0.12/0.07	— —	54 57	70 70	-25 to +85 -25 to +80	1.9	C1)/C2)
*4E 250	M4E 068-BF	(D)	1~ 230 1~ 230	50 60	1010 1200	1400 1630	42 45	0.19 0.20	1.5/400 1.5/400	54 58	80 100	-25 to +55 -25 to +70	1.9	A1)
*4S 250	M4S 068-CF	(E)	1~ 230 1~ 230	50 60	1000 1160	1390 1600	69 63	0.53 0.45	— —	54 58	80 80	-25 to +50 -25 to +65	1.7	B)
subject to alterations		(1) 230 VAC Δ / 400 VAC Y												

Curves



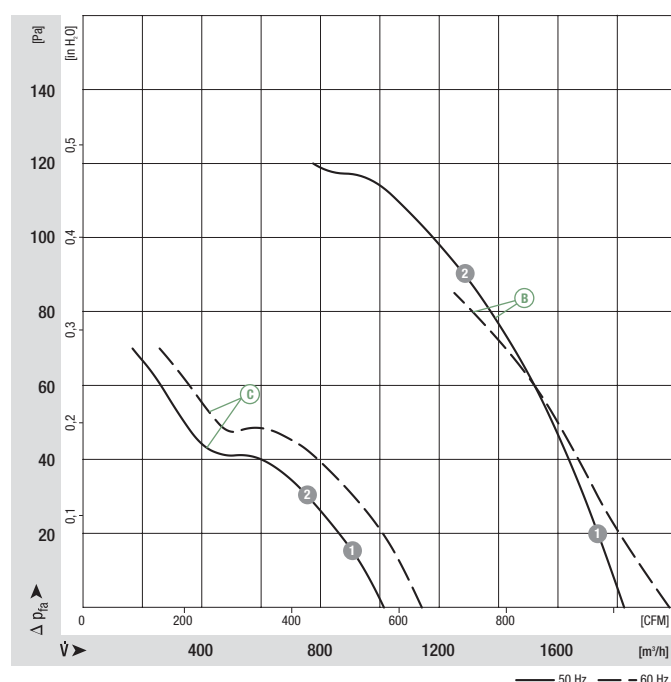
	n [rpm]	P ₁ [W]	I [A]
(A) 1	2455	106	0.34/0.20
(A) 2	2310	125	0.38/0.22
(D) 1	1370	43	0.20
(D) 2	1360	45	0.20
(E) 1	1370	71	0.53
(E) 2	1360	73	0.53

- **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



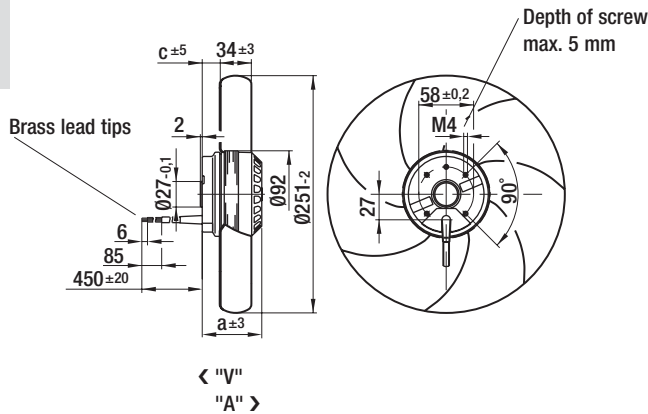
	n [rpm]	P ₁ [W]	I [A]
(B) 1	2455	116	0.51
(B) 2	2290	132	0.57
(C) 1	1375	27	0.12/0.07
(C) 2	1350	30	0.12/0.07

AC axial fans

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



Without attachments

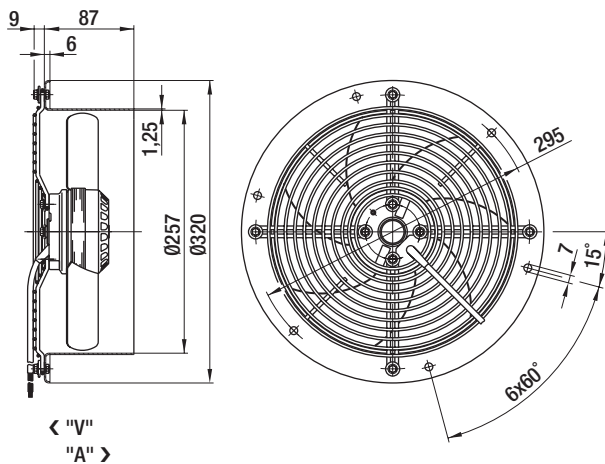


Type

		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

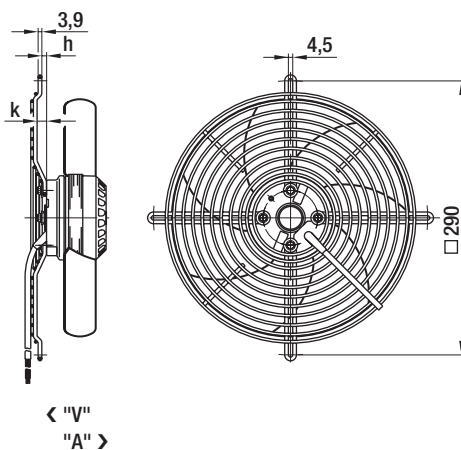


Type

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

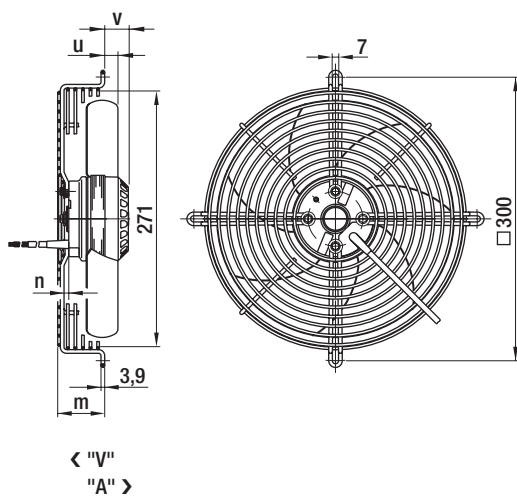


Type

		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



With guard grille for short nozzle



Type

		m	n	u	v
S2D 250-AH02 -01	"V"	50.0	5.0	14.0	34.0
S2D 250-AI02 -01	"A"	45.0	0	17.0	34.0
S2E 250-AL06 -01	"V"	50.0	5.0	14.0	34.0
S2E 250-AM06 -01	"A"	45.0	0	23.0	34.0
S4D 250-AH22 -01	"V"	50.0	5.0	14.0	34.0
S4D 250-AI22 -01	"A"	45.0	0	23.0	34.0
S4E 250-AH02 -01	"V"	50.0	5.0	10.0	24.0
S4E 250-AI02 -01	"A"	45.0	0	18.0	24.0
S4S 250-AH02 -01	"V"	50.0	5.0	14.0	34.0
S4S 250-AI02 -01	"A"	45.0	0	19.0	34.0

AC axial fans 2-pole

S series, Ø 300

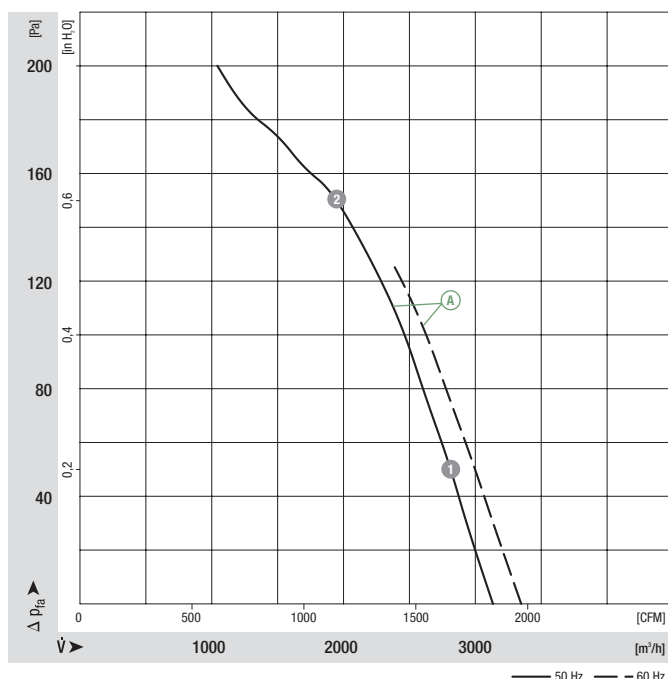


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **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 300 ⁽¹⁾	M2D 074-DF	A	3~ 230/400 3~ 230/400	50 60	3130 3350	2580 2750	210 300	0.62/0.36 0.83/0.48	— —	72 73	200 125	-25 to +55 -25 to +40	3.0	C1)/C2)
*2E 300	M2E 074-DF	B	1~ 230 1~ 230	50 60	3410 3740	2700 3000	230 350	1.10 1.55	8.0/400 8.0/400	73 76	200 50	-25 to +50 -25 to +40	3.0	A1)

subject to alterations (1) 230 VAC Δ / 400 VAC Y

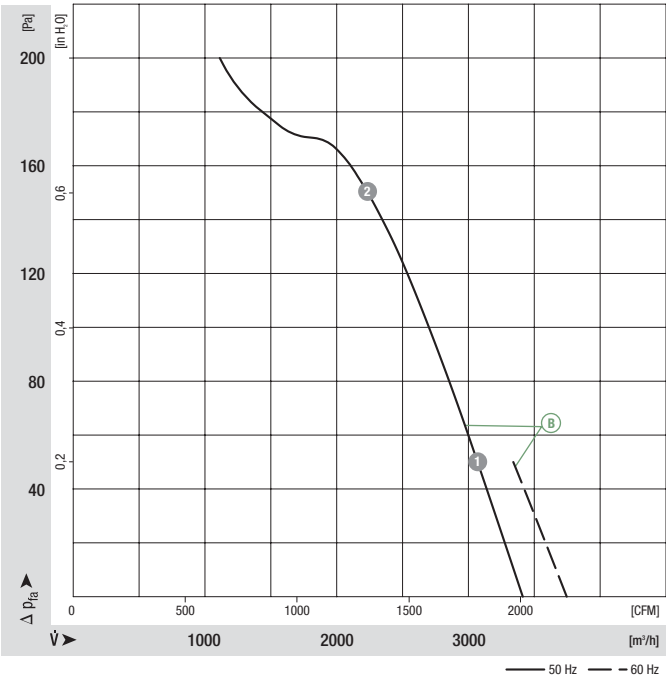
Curves



- **Motor protection:** ① Without TOP, ② TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, ② also CE
- **Approvals:** CCC

	Direction of air flow			
				
	< "V"/"A" >	< "V"/"A" >	< "V"/"A" >	< "V"/"A" >
	Without attachments	With full round nozzle	With guard grille for full nozzle	With guard grille for short nozzle
"V"	A2D 300-AP02 -01	W2D 300-CP02 -30	S2D 300-BP02 -30	S2D 300-AP02 -30
"A"	A2D 300-AP02 -02	W2D 300-CP02 -31	S2D 300-BP02 -31	S2D 300-AP02 -31
"V"	A2E 300-AP02 -01	W2E 300-CP02 -30	S2E 300-BP02 -30	S2E 300-AP02 -30
"A"	A2E 300-AP02 -02	W2E 300-CP02 -31	S2E 300-BP02 -31	S2E 300-AP02 -31

Curves

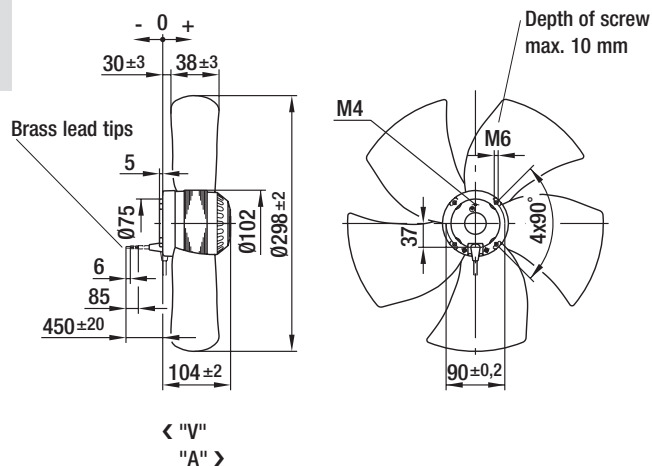


AC axial fans 2-pole

S series, Ø 300, drawings of directions of air flow "V" and "A"



Without attachments

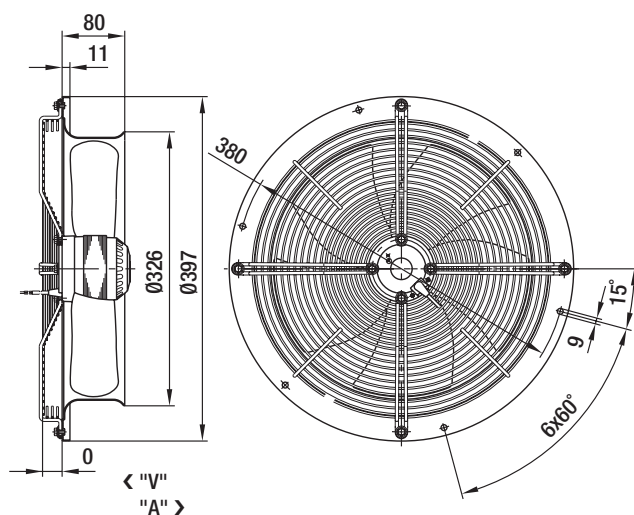


Type

A2D 300-AP02 -01	"V"
A2D 300-AP02 -02	"A"
A2E 300-AP02 -01	"V"
A2E 300-AP02 -02	"A"



With full round nozzle

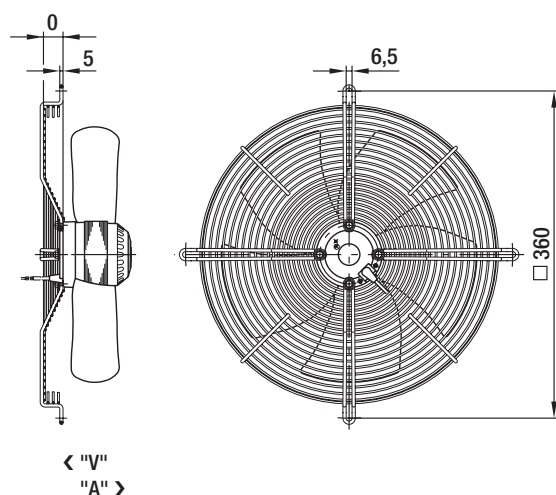


Type

W2D 300-CP02 -30	"V"
W2D 300-CP02 -31	"A"
W2E 300-CP02 -30	"V"
W2E 300-CP02 -31	"A"



With guard grille for full nozzle

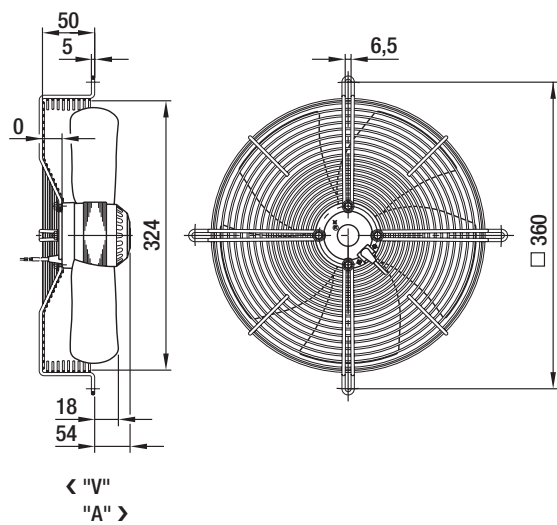


Type

S2D 300-BP02 -30	"V"
S2D 300-BP02 -31	"A"
S2E 300-BP02 -30	"V"
S2E 300-BP02 -31	"A"



With guard grille for short nozzle



Type

S2D 300-AP02 -30	"V"
S2D 300-AP02 -31	"A"
S2E 300-AP02 -30	"V"
S2E 300-AP02 -31	"A"

AC axial fans 4-pole

S series, Ø 300

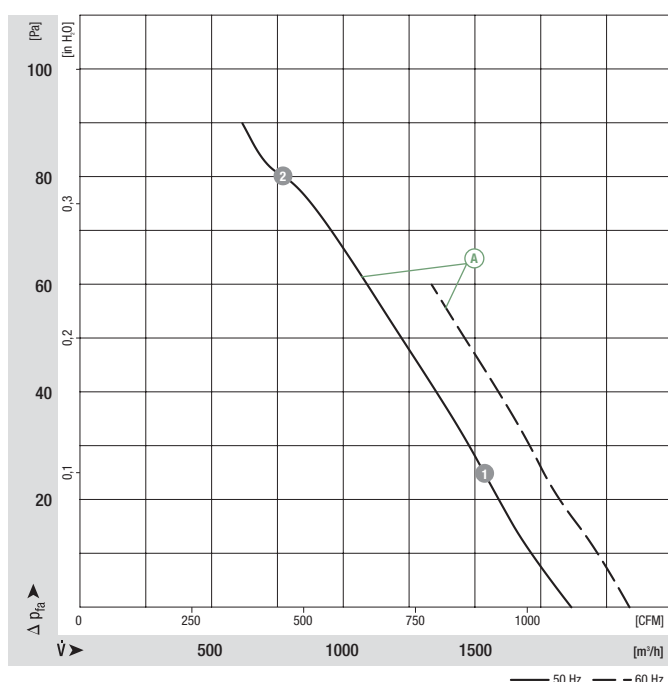


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **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 300 ⁽¹⁾	M4D 068-CF	(A)	3~ 230/400 3~ 230/400	50 60	1860 2080	1370 1540	60 75	0.29/0.17 0.26/0.15	— —	57 60	90 60	-25 to +45 -25 to +40	1.9	C1)/C2)
*4E 300	M4E 068-CF	(B)	1~ 230 1~ 230	50 60	1740 2040	1400 1630	68 92	0.30 0.41	2.0/400 2.0/400	59 63	80 70	-25 to +60 -25 to +45	1.9	A1)

subject to alterations (1) 230 VAC Δ / 400 VAC Y

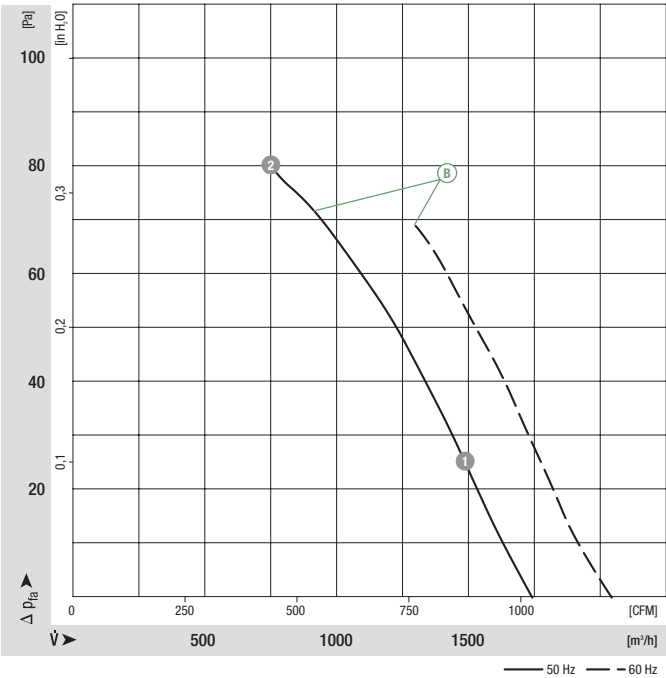
Curves



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

	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" "A"	A4D 300-AP28 -01 A4D 300-AP28 -02	W4D 300-CP28 -30 W4D 300-CP28 -31	S4D 300-BP28 -30 S4D 300-BP28 -31	S4D 300-AP28 -30 S4D 300-AP28 -31
"V" "A"	A4E 300-AP26 -01 A4E 300-AP26 -02	W4E 300-CP26 -30 W4E 300-CP26 -31	S4E 300-BP26 -30 S4E 300-BP26 -31	S4E 300-AP26 -30 S4E 300-AP26 -31

Curves



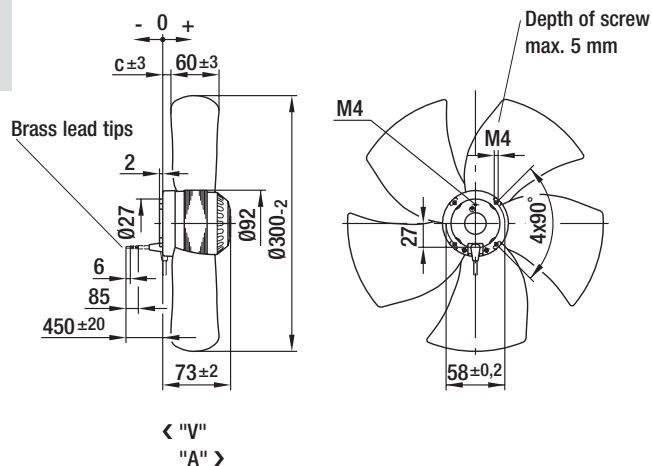
	n [rpm]	P ₁ [W]	I [A]
(B) 1	1390	72	0.32
(B) 2	1290	88	0.39

AC axial fans 4-pole

S series, Ø 300, drawings of directions of air flow "V" and "A"



Without attachments



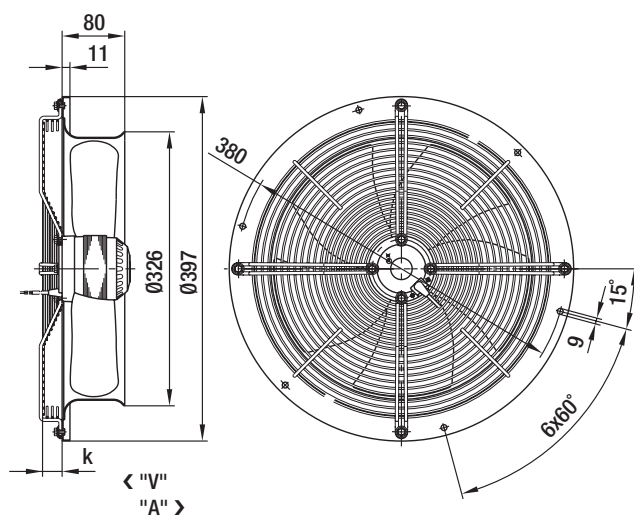
Type

c

A4D 300-AP28 -01	"V"	13.0
A4D 300-AP28 -02	"A"	-7.0
A4E 300-AP26 -01	"V"	13.0
A4E 300-AP26 -02	"A"	-7.0



With full round nozzle



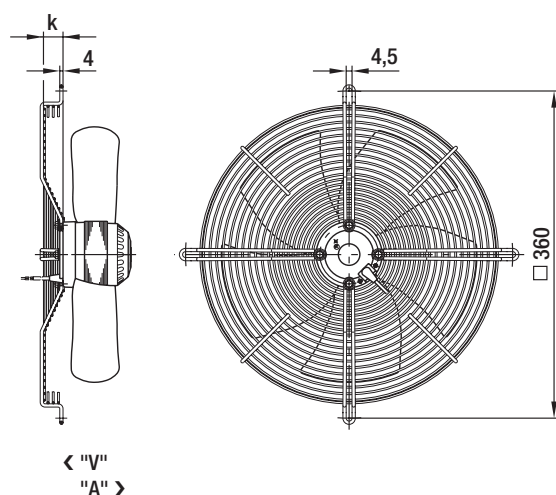
Type

k

W4D 300-CP28 -30	"V"	0.0
W4D 300-CP28 -31	"A"	30.0
W4E 300-CP26 -30	"V"	0.0
W4E 300-CP26 -31	"A"	30.0



With guard grille for full nozzle



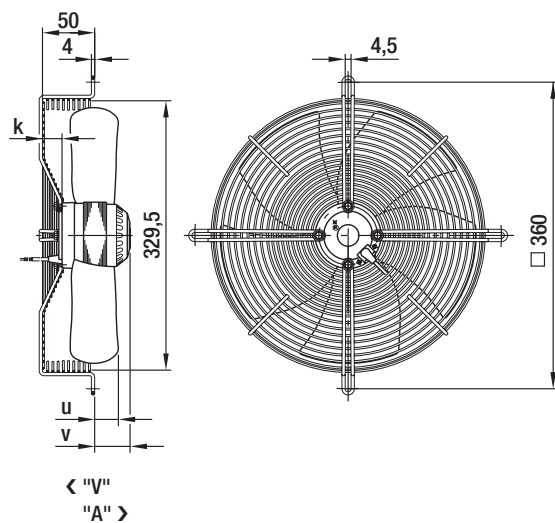
Type

k

S4D 300-BP28 -30	"V"	0.0
S4D 300-BP28 -31	"A"	30.0
S4E 300-BP26 -30	"V"	0.0
S4E 300-BP26 -31	"A"	30.0



With guard grille for short nozzle



Type

		k	u	v
S4D 300-AP28 -30	"V"	0.0	23.0	23.0
S4D 300-AP28 -31	"A"	30.0	29.0	49.0
S4E 300-AP26 -30	"V"	0.0	23.0	23.0
S4E 300-AP26 -31	"A"	30.0	29.0	49.0

AC axial fans

S series, Ø 315



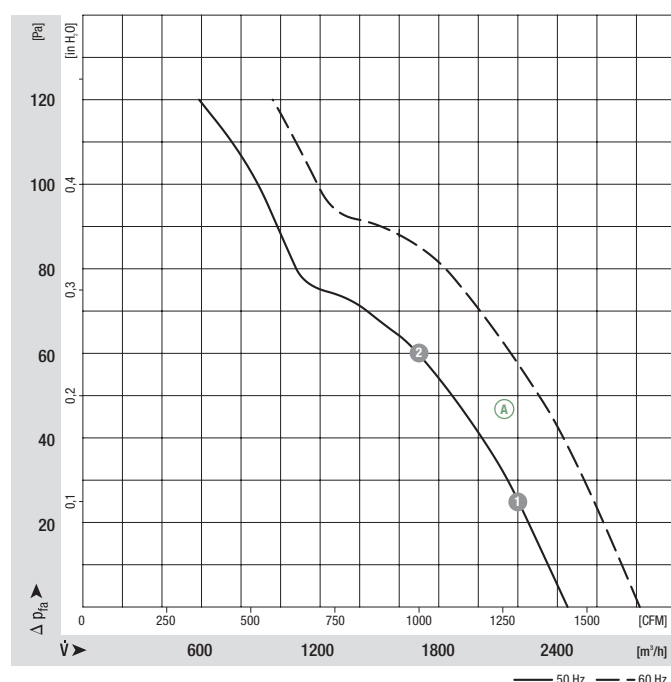
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **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 315 ⁽¹⁾	M4D 068-DF	Ⓐ	3~ 230/400	50	2450	1400	85	0.45/0.26	—	60	120	-25 to +55	2.4	C1)/C2)
			3~ 230/400	60	2810	1620	110	0.42/0.24	—	64	120	-25 to +55	2.4	
*4E 315	M4E 068-DF	Ⓑ	1~ 230	50	2440	1410	102	0.52	4.0/400	59	120	-25 to +55	2.4	A1)
			1~ 230	60	2840	1650	120	0.53	4.0/400	64	120	-25 to +55	2.4	
*6E 315	M6E 068-DF	Ⓒ	1~ 230	50	1650	950	65	0.33	2.0/400	51	70	-25 to +50	2.4	A1)
			1~ 230	60	1950	1120	68	0.30	2.0/450	55	80	-25 to +60	2.4	

subject to alterations

(1) 230 VAC Δ / 400 VAC Y

Curves

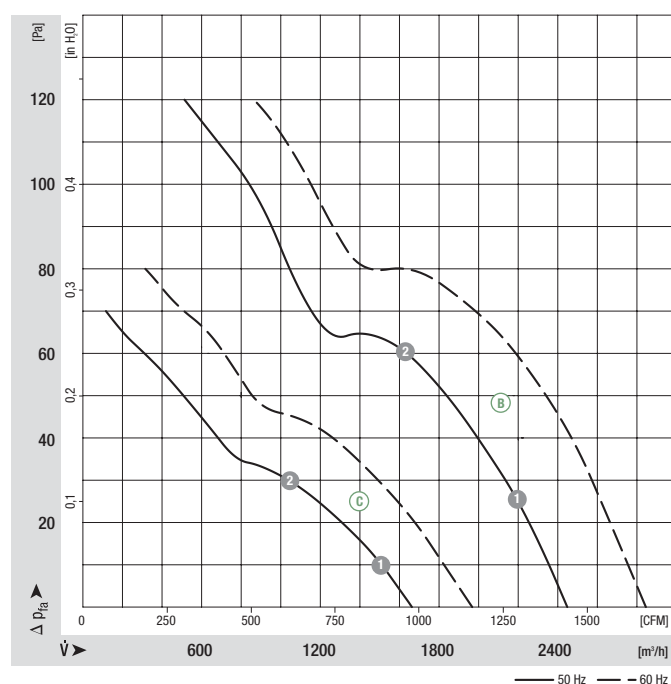


	n [rpm]	P ₁ [W]	I [A]
Ⓐ 1	1400	90	0.45/0.26
Ⓐ 2	1380	103	0.47/0.27

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

Direction of air flow					
	< "V"/"A" >	< "V"/"A" >	< "V"/"A" >	< "V"/"A" >	< "V" >
	Without attachments	With full round nozzle	With guard grille for full nozzle	With guard grille for short nozzle	In-line duct fan
"V"	A4D 315-AP10 -01	W4D 315-CP10 -30	S4D 315-BP10 -30	S4D 315-AP10 -30	W4D 315-IP10 -01
"A"	A4D 315-AP10 -02	W4D 315-CP10 -31	S4D 315-BP10 -31	S4D 315-AP10 -31	—
"V"	A4E 315-AP18 -01	W4E 315-CP18 -30	S4E 315-BP18 -30	S4E 315-AP18 -30	W4E 315-IP18 -01
"A"	A4E 315-AP18 -02	W4E 315-CP18 -31	S4E 315-BP18 -31	S4E 315-AP18 -31	—
"V"	A6E 315-AP02 -01	W6E 315-CP02 -30	S6E 315-BP02 -30	S6E 315-AP02 -30	—
"A"	A6E 315-AP02 -02	W6E 315-CP02 -31	S6E 315-BP02 -31	S6E 315-AP02 -31	—

Curves



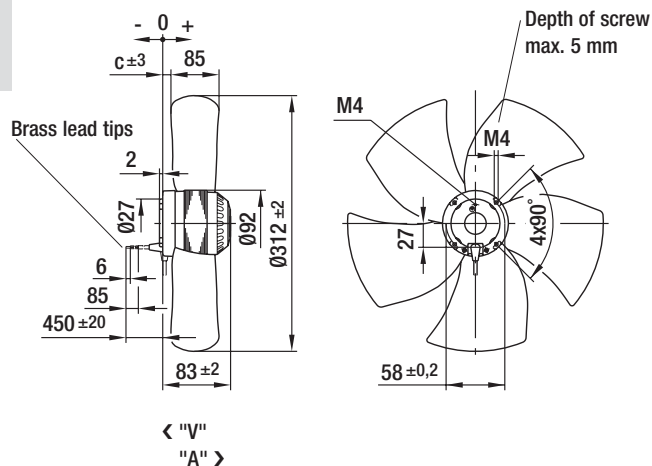
	n [rpm]	P ₁ [W]	I [A]
(B) 1	1400	108	0.54
(B) 2	1380	120	0.57
(C) 1	945	63	0.33
(C) 2	930	66	0.33

AC axial fans

S series, Ø 315, drawings of directions of air flow "V" and "A"



Without attachments



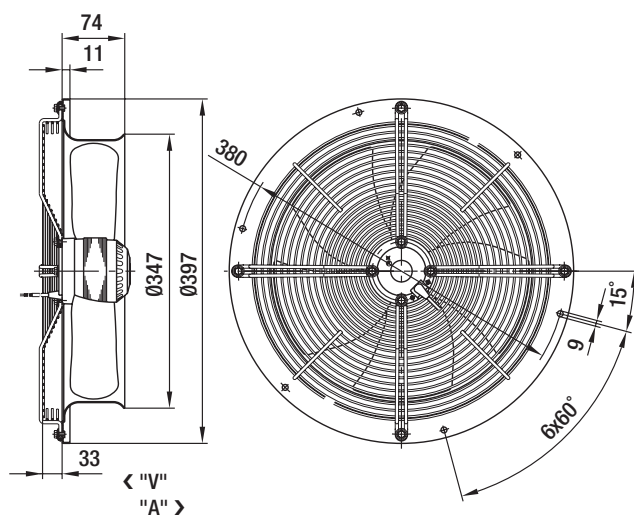
Type

c

A4D 315-AP10 -01	"V"	5.0
A4D 315-AP10 -02	"A"	-7.0
A4E 315-AP18 -01	"V"	5.0
A4E 315-AP18 -02	"A"	-7.0
A6E 315-AP02 -01	"V"	5.0
A6E 315-AP02 -02	"A"	-7.0



With full round nozzle

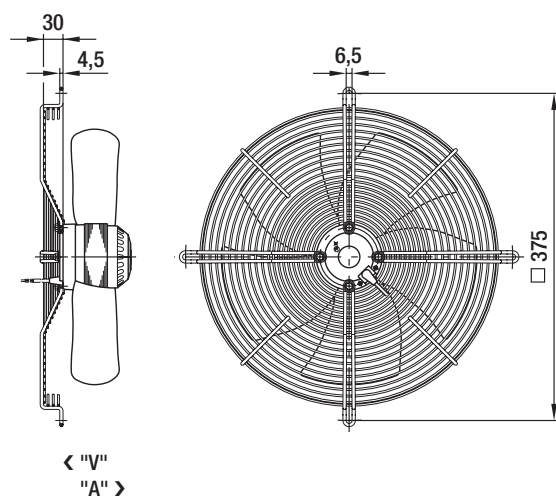


Type

W4D 315-CP10 -30	"V"
W4D 315-CP10 -31	"A"
W4E 315-CP18 -30	"V"
W4E 315-CP18 -31	"A"
W6E 315-CP02 -30	"V"
W6E 315-CP02 -31	"A"



With guard grille for full nozzle

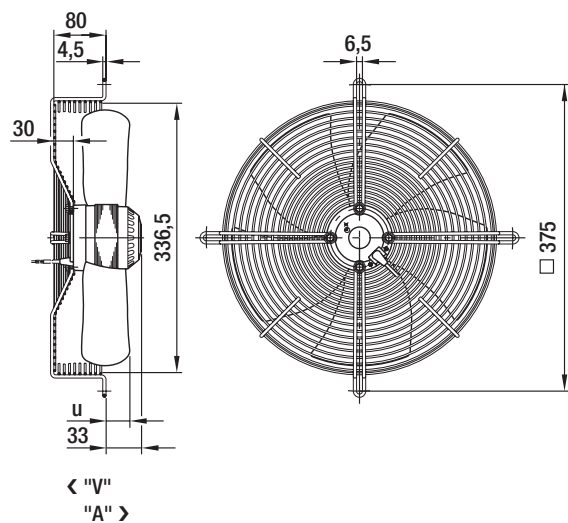


Type

S4D 315-BP10 -30	"V"
S4D 315-BP10 -31	"A"
S4E 315-BP18 -30	"V"
S4E 315-BP18 -31	"A"
S6E 315-BP02 -30	"V"
S6E 315-BP02 -31	"A"



With guard grille for short nozzle

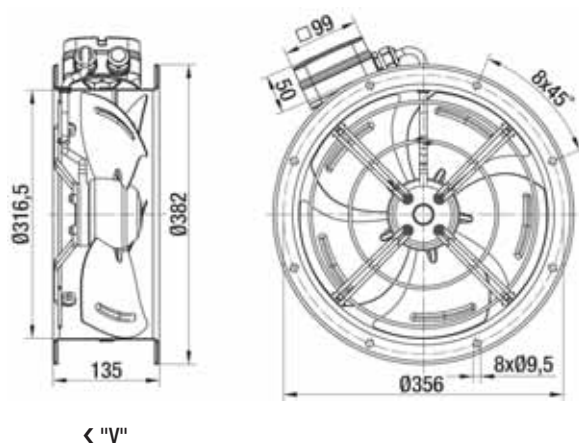


Type

		u
S4D 315-AP10 -30	"V"	40.0
S4D 315-AP10 -31	"A"	28.0
S4E 315-AP18 -30	"V"	40.0
S4E 315-AP18 -31	"A"	28.0
S6E 315-AP02 -30	"V"	40.0
S6E 315-AP02 -31	"A"	28.0



In-line duct fan



Type

W4D 315-IP10 -01	"V"
W4E 315-IP18 -01	"V"

AC axial fans

S series, Ø 330



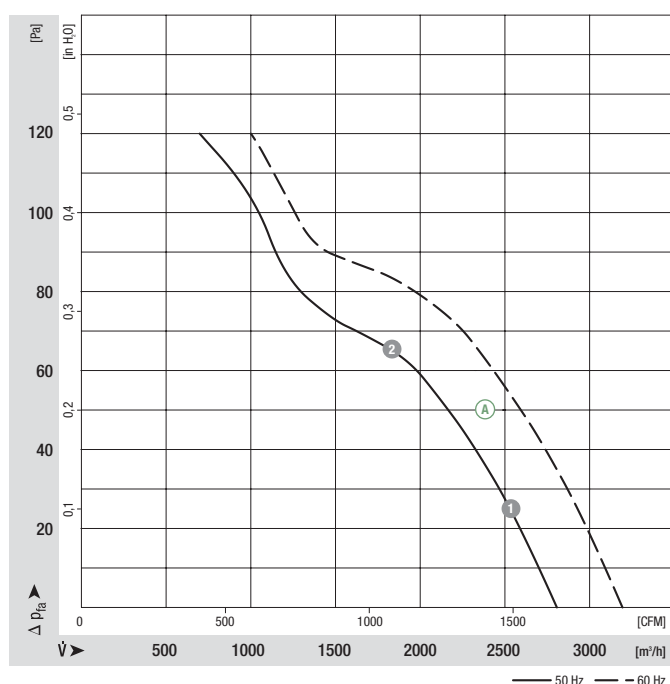
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **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 330 ⁽¹⁾	M4D 068-DF	Ⓐ	3~ 230/400	50	2800	1390	100	0.45/0.26	—	59	120	-25 to +55	2.6	C1)/C2)
			3~ 230/400	60	3180	1570	130	0.42/0.24	—	63	120	-25 to +45		
*4E 330	M4E 068-DF	Ⓑ	1~ 230	50	2830	1390	120	0.57	4.0/400	63	90	-25 to +50	2.5	A1)
			1~ 230	60	3230	1600	140	0.60	4.0/400	67	75	-25 to +40		
*6E 330	M6E 068-DF	Ⓒ	1~ 230	50	1940	940	65	0.33	2.0/400	49	60	-25 to +50	2.5	A1)
			1~ 230	60	2280	1100	72	0.32	2.0/450	53	70	-25 to +65		

subject to alterations

(1) 230 VAC Δ / 400 VAC Y

Curves

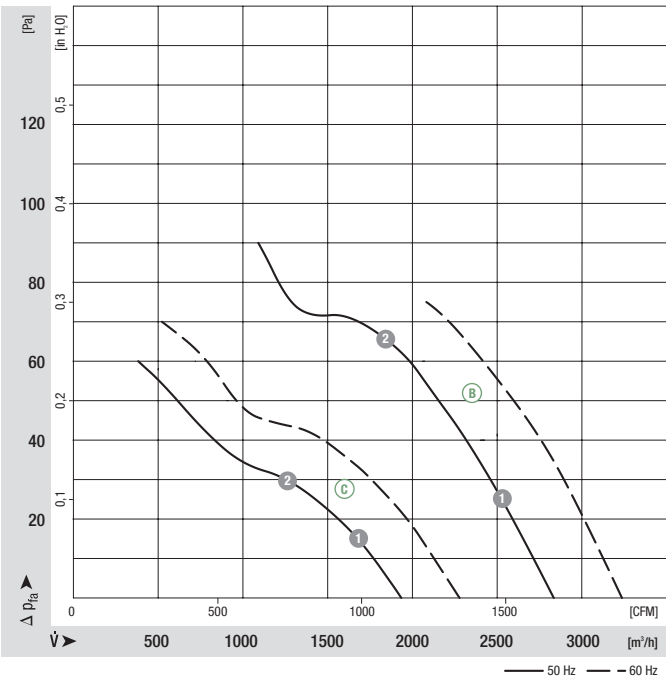


	n [rpm]	P ₁ [W]	I [A]
Ⓐ 1	1370	102	0.45/0.26
Ⓐ 2	1325	126	0.48/0.28

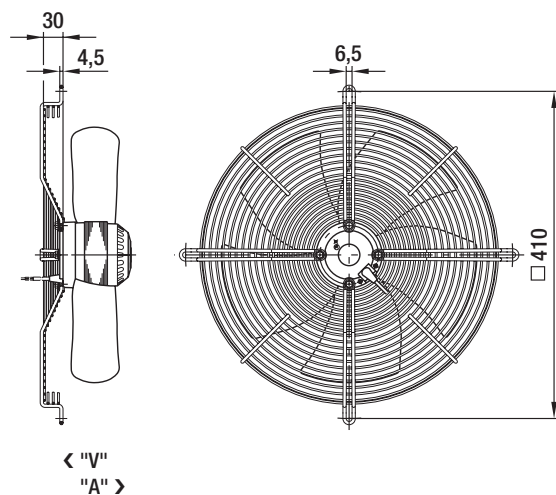
- **Motor protection:** (A) Without TOP, (B) (C) TOP wired internally
- **Cable exit:** Axial
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, (B) (C) also CE
- **Approvals:** (B) (C) CCC

	Direction of air flow			
				
	< "V"/>"A" >	< "V"/>"A" >	< "V"/>"A" >	< "V"/>"A" >
	Without attachments	With full round nozzle	With guard grille for full nozzle	With guard grille for short nozzle
"V"	A4D 330-AP10 -01	W4D 330-CP10 -30	S4D 330-BP10 -30	S4D 330-AP10 -30
"A"	A4D 330-AP10 -02	W4D 330-CP10 -31	S4D 330-BP10 -31	S4D 330-AP10 -31
"V"	A4E 330-AP18 -01	W4E 330-CP18 -30	S4E 330-BP18 -30	S4E 330-AP18 -30
"A"	A4E 330-AP18 -02	W4E 330-CP18 -31	S4E 330-BP18 -31	S4E 330-AP18 -31
"V"	A6E 330-AP02 -01	W6E 330-CP02 -30	S6E 330-BP02 -30	S6E 330-AP02 -30
"A"	A6E 330-AP02 -02	W6E 330-CP02 -31	S6E 330-BP02 -31	S6E 330-AP02 -31

Curves

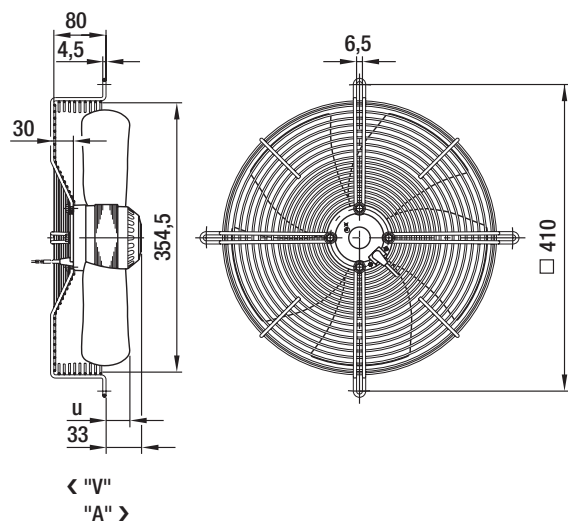


		n [rpm]	P ₁ [W]	I [A]
(B)	1	1375	122	0.58
(B)	2	1325	140	0.64
(C)	1	925	68	0.34
(C)	2	910	70	0.35





With guard grille for short nozzle



Type

		u	
S4D 330-AP10	-30	"V"	43.0
S4D 330-AP10	-31	"A"	29.0
S4E 330-AP18	-30	"V"	43.0
S4E 330-AP18	-31	"A"	29.0
S6E 330-AP02	-30	"V"	43.0
S6E 330-AP02	-31	"A"	29.0

AC axial fans

S series, Ø 350

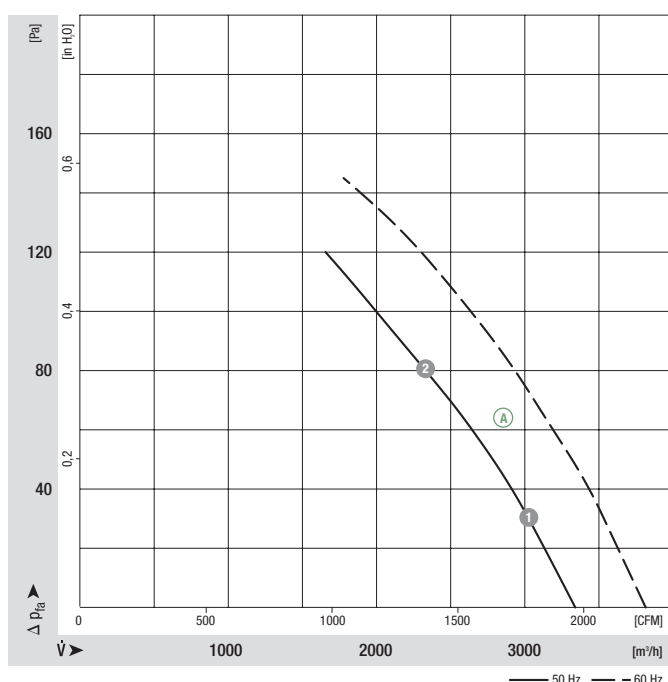


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** (A) (C) "B", (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 350 ⁽¹⁾	M4D 068-EC	(A)	3~ 230/400 3~ 230/400	50 60	3340 3815	1420 1620	135 185	0.73/0.42 0.64/0.37	— —	64 68	120 145	-25 to +60 -25 to +45	3.6	C1)/C2)
*4E 350	M4E 068-EC	(B)	1~ 230 1~ 230	50 60	3250 3640	1365 1530	132 180	0.58 0.80	5.0/400 5.0/400	64 67	90 65	-25 to +60 -25 to +50	3.6	A1)
*6E 350	M6E 068-DF	(C)	1~ 230 1~ 230	50 60	2110 2420	905 1040	60 85	0.27 0.38	2.5/400 2.5/400	55 58	40 45	-25 to +60 -25 to +55	3.6	A1)

subject to alterations (1) 230 VAC Δ / 400 VAC Y

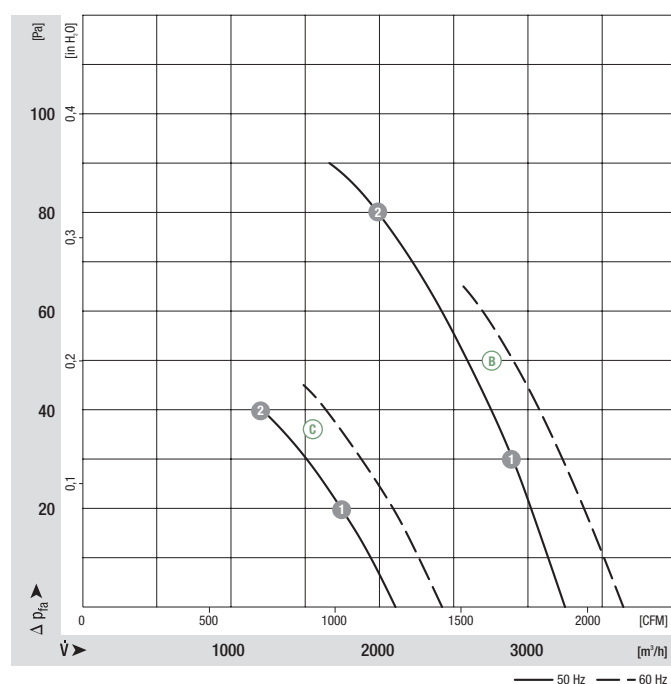
Curves



- **Motor protection:** (A) Without TOP, (B) (C) TOP wired internally
- **Cable exit:** (A) Lateral, (B) (C) axial
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, (B) (C) also CE

Direction of air flow					
	< "V"/"A" >	< "V"/"A" >	< "V"/"A" >	< "V"/"A" >	< "V"
	Without attachments	With full round nozzle	With guard grille for full nozzle	With guard grille for short nozzle	In-line duct fan
"V"	A4D 350-AR06 -01	W4D 350-CR06 -30	S4D 350-BR06 -30	S4D 350-AR06 -30	W4D 350-IR06 -01
"A"	A4D 350-AR06 -02	W4D 350-CR06 -31	S4D 350-BR06 -31	S4D 350-AR06 -31	—
"V"	A4E 350-AR06 -01	W4E 350-CR06 -30	S4E 350-BR06 -30	S4E 350-AR06 -30	W4E 350-IR06 -01
"A"	A4E 350-AR06 -02	W4E 350-CR06 -31	S4E 350-BR06 -31	S4E 350-AR06 -31	—
"V"	A6E 350-AR08 -01	W6E 350-CR08 -30	S6E 350-BR08 -30	S6E 350-AR08 -30	—
"A"	A6E 350-AR08 -02	W6E 350-CR08 -31	S6E 350-BR08 -31	S6E 350-AR08 -31	—

Curves



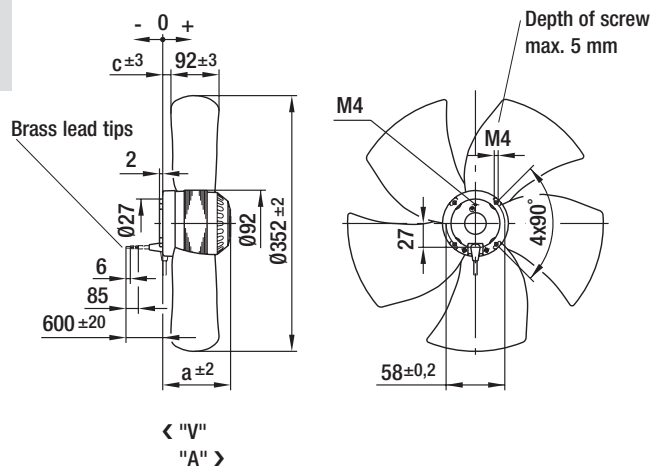
	n [rpm]	P ₁ [W]	I [A]
(B) 1	1335	142	0.63
(B) 2	1260	166	0.74
(C) 1	880	63	0.28
(C) 2	825	68	0.30

AC axial fans

S series, Ø 350, drawings of directions of air flow "V" and "A"



Without attachments

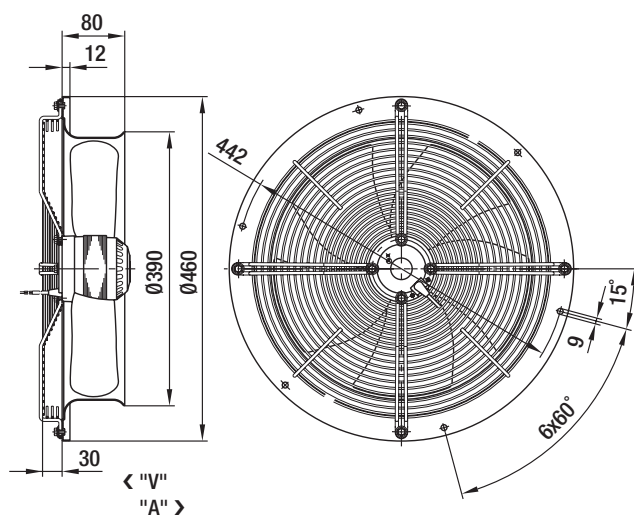


Type

		a	c
A4D 350-AR06 -01	"V"	102.0	10.0
A4D 350-AR06 -02	"A"	102.0	-10.0
A4E 350-AR06 -01	"V"	102.0	10.0
A4E 350-AR06 -02	"A"	102.0	-10.0
A6E 350-AR08 -01	"V"	83.0	5.0
A6E 350-AR08 -02	"A"	83.0	-12.0



With full round nozzle

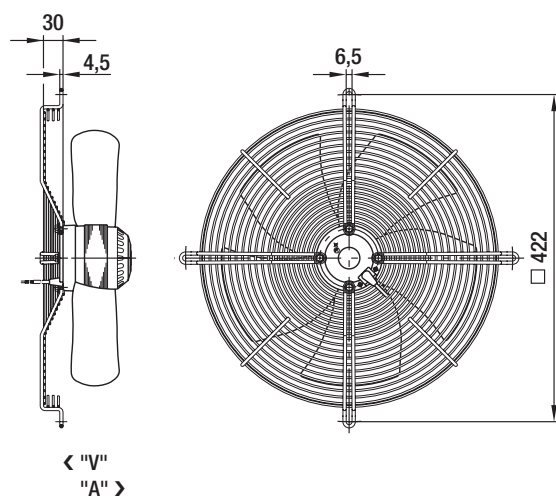


Type

W4D 350-CR06 -30	"V"
W4D 350-CR06 -31	"A"
W4E 350-CR06 -30	"V"
W4E 350-CR06 -31	"A"
W6E 350-CR08 -30	"V"
W6E 350-CR08 -31	"A"



With guard grille for full nozzle

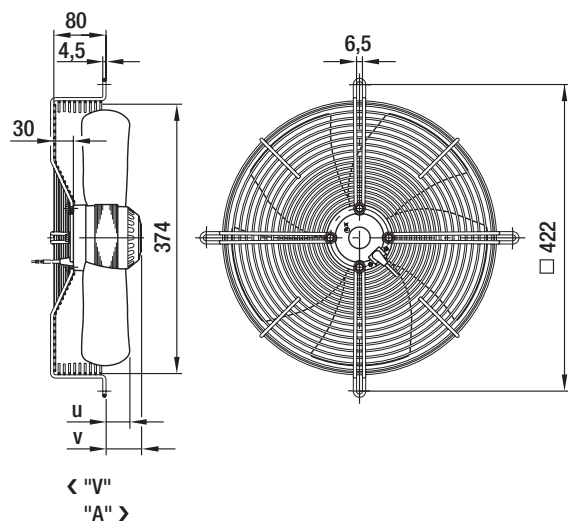


Type

S4D 350-BR06 -30	"V"
S4D 350-BR06 -31	"A"
S4E 350-BR06 -30	"V"
S4E 350-BR06 -31	"A"
S6E 350-BR08 -30	"V"
S6E 350-BR08 -31	"A"



With guard grille for short nozzle

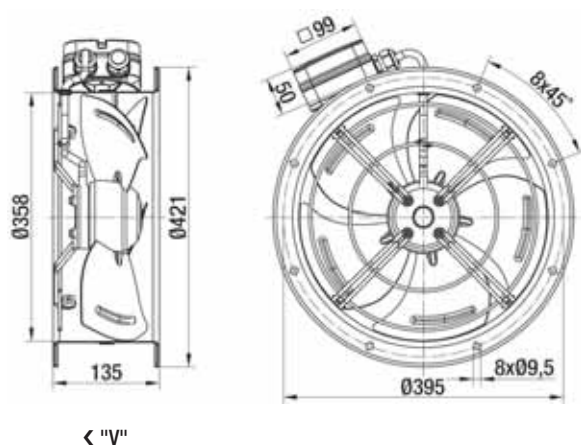


Type

		u	v
S4D 350-AR06 -30	"V"	52.0	52.0
S4D 350-AR06 -31	"A"	32.0	52.0
S4E 350-AR06 -30	"V"	52.0	52.0
S4E 350-AR06 -31	"A"	32.0	52.0
S6E 350-AR08 -30	"V"	47.0	33.0
S6E 350-AR08 -31	"A"	30.0	33.0



In-line duct fan



Type

W4D 350-IR06 -01	"V"
W4E 350-IR06 -01	"V"

AC axial fans

S series, Ø 400

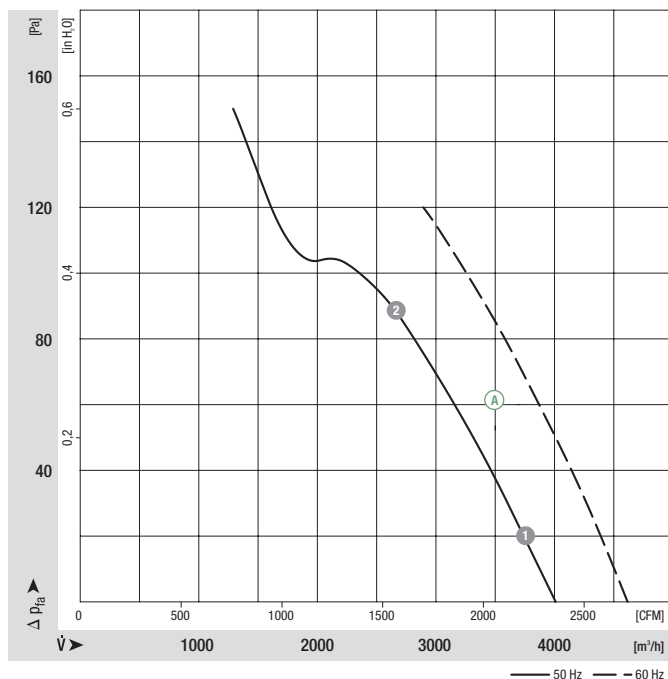


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** (A) (B) "B", (C) "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	(A)	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	(B)	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	(C)	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

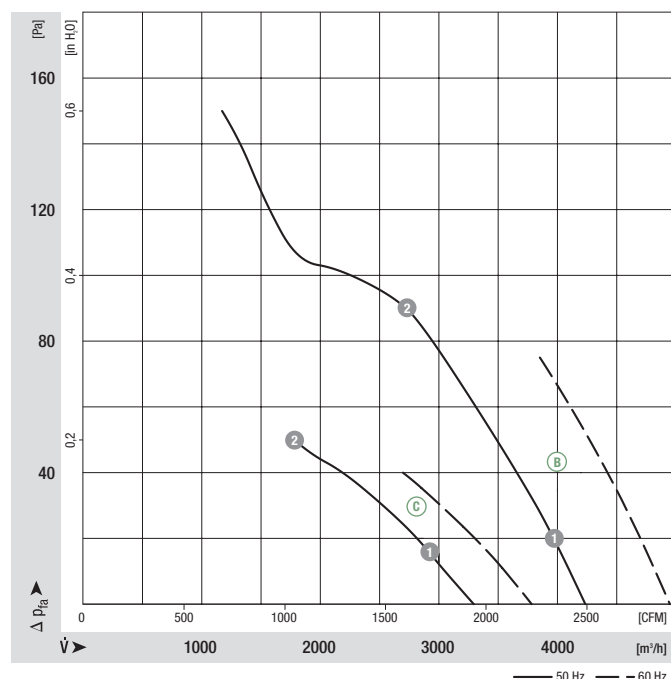
Curves



- **Motor protection:** ① Without TOP, ② ③ TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, ② ③ also CE
- **Approvals:** CCC
- **Options:** Terminal box

	Direction of air flow				
	Without attachments	With full round nozzle	With guard grille for full nozzle	With guard grille for short nozzle	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

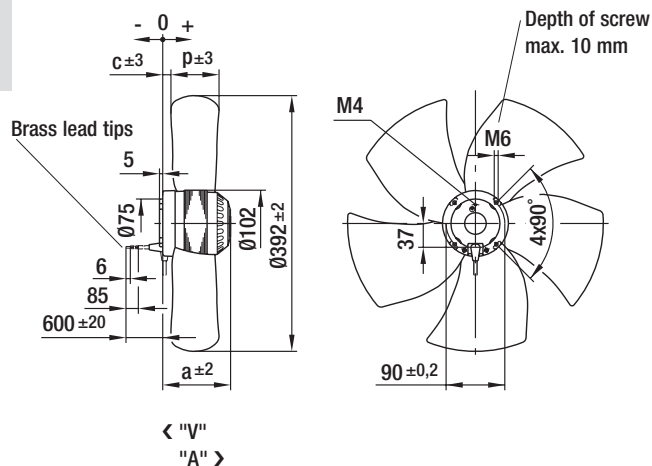


AC axial fans

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



Without attachments

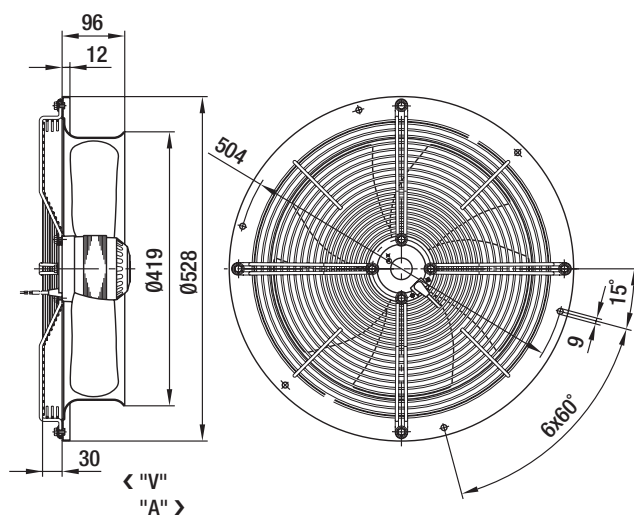


Type

		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

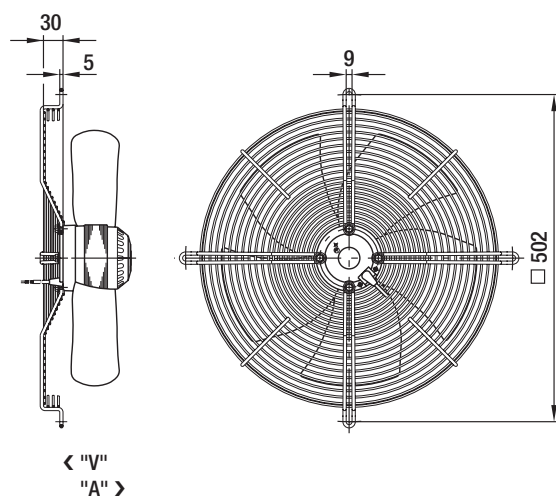


Type

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

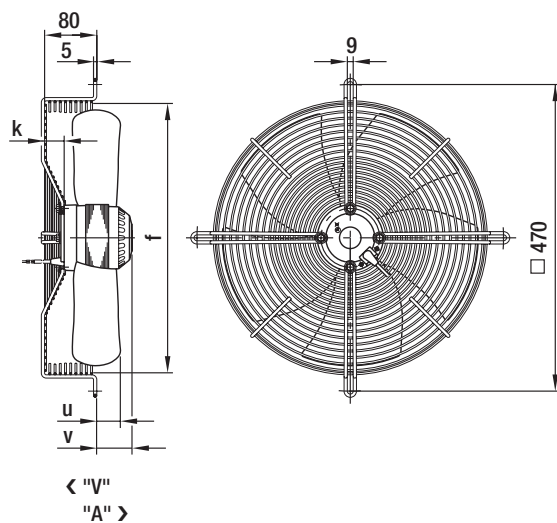


Type

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"



With guard grille for short nozzle

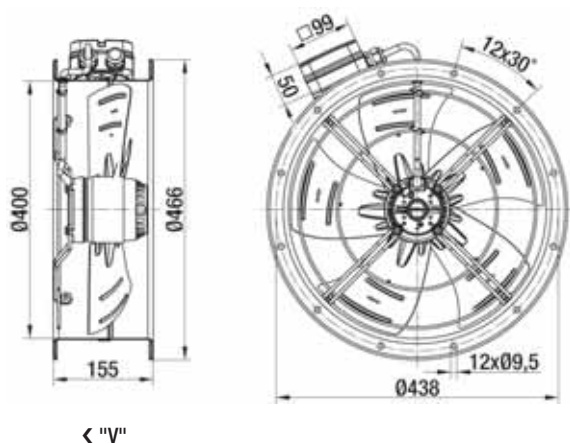


Type

		f	k	u	v
S4D 400-AP12 -03	"V"	420.0	10.0	24.0	47.0
S4D 400-AP12 -04	"A"	420.0	10.0	20.0	47.0
S4E 400-AP02 -03	"V"	420.0	10.0	24.0	47.0
S4E 400-AP02 -04	"A"	420.0	10.0	20.0	47.0
S6E 400-AP10 -30	"V"	414.0	30.0	35.0	54.0
S6E 400-AP10 -31	"A"	414.0	30.0	52.0	54.0



In-line duct fan



Type

W4D 400-IP12 -01	"V"
W4E 400-IP02 -01	"V"

AC axial fans

S series, Ø 420

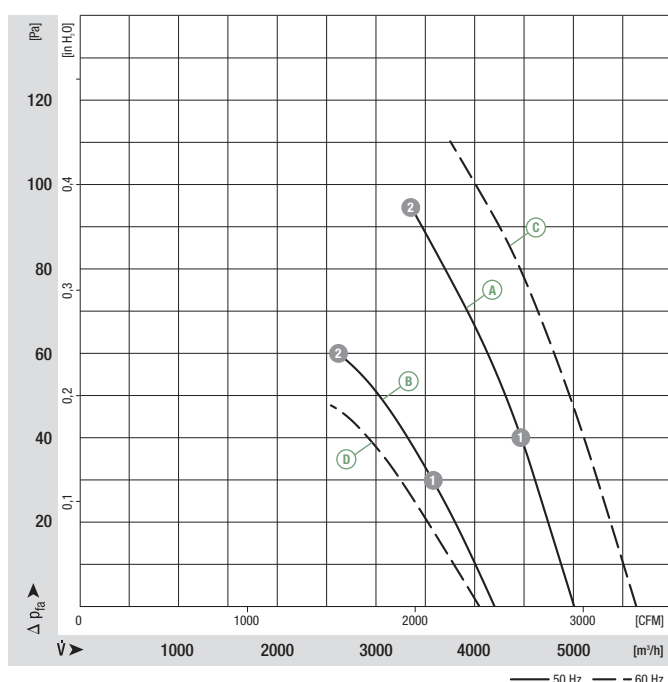


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Plastic, coated in black
Rotor: Coated in black
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- Type of protection:** IP 54 (acc. to EN 60529)
- Insulation class:** "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	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg	p. 416 f.
*4D 420	M4D 094-EA	(A)	3~ 400 Δ	50	1360	260	0.52	—	95	-40 to +60	5.8	F1b)/F2b)
		(B)	3~ 400 Y	50	1060	185	0.31	—	60	-40 to +60	5.8	F1b)/F2b)
		(C)	3~ 400 Δ	60	1490	385	0.65	—	110	-40 to +60	5.8	F1b)/F2b)
		(D)	3~ 400 Y	60	970	220	0.37	—	47	-40 to +60	5.8	F1b)/F2b)
*4E 420	M4E 094-EA	(E)	1~ 230	50	1360	280	1.25	7.0/400	95	-40 to +60	5.8	A2b)
			1~ 230	60	1520	385	1.68	7.0/400	100	-40 to +60	5.8	A2b)

subject to alterations (1) Nominal data in operating point with maximum load

Curves

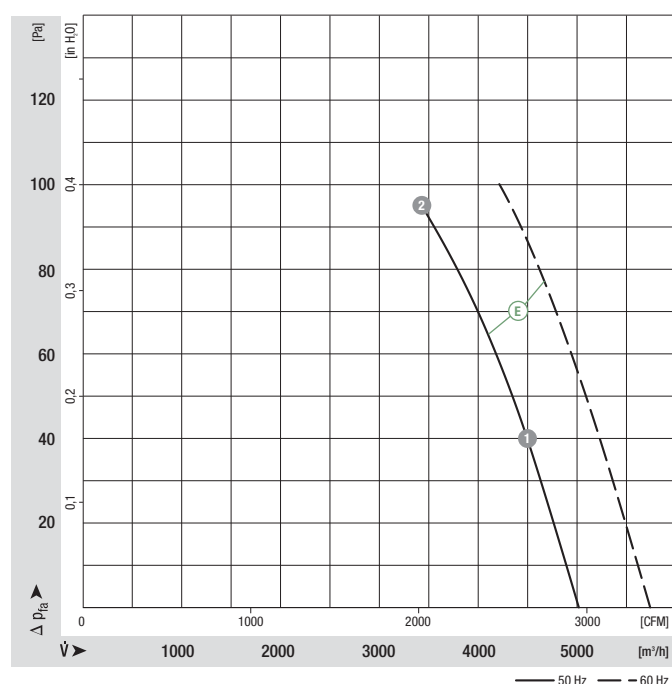


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A) 1	1380	225	0.47	67
(A) 2	1360	260	0.52	65
(B) 1	1120	170	0.29	61
(B) 2	1060	185	0.31	58

- **Motor protection:** Ⓐ-ⓓ Design with thermal overload protector, ⓔ TOP wired internally
- **Cable exit:** Lateral via terminal box
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE

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" "A"	A4D 420-AU02 -01 A4D 420-AU02 -02	W4D 420-CU02 -30 W4D 420-CU02 -31	S4D 420-BU02 -30 S4D 420-BU02 -31	S4D 420-AU02 -03 S4D 420-AU02 -04
"V" "A"	A4E 420-AU03 -01 A4E 420-AU03 -02	W4E 420-CU03 -30 W4E 420-CU03 -31	S4E 420-BU03 -30 S4E 420-BU03 -31	S4E 420-AU03 -03 S4E 420-AU03 -04

Curves



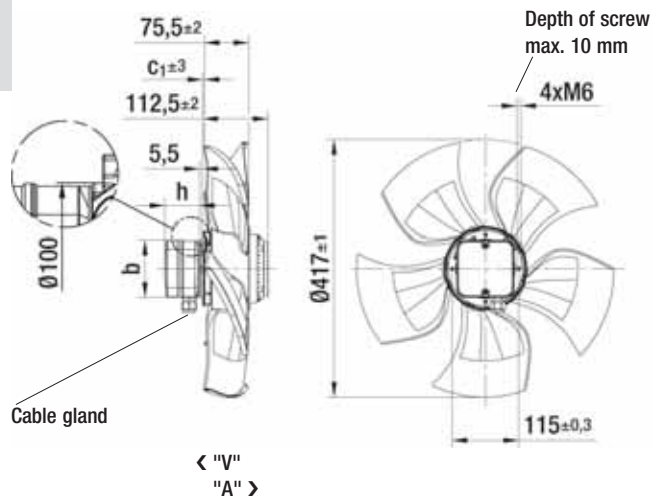
	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
ⓔ 1	1390	247	1.13	67
ⓔ 2	1360	280	1.25	65

AC axial fans

S series, Ø 420, drawings of directions of air flow "V" and "A"



Without attachments

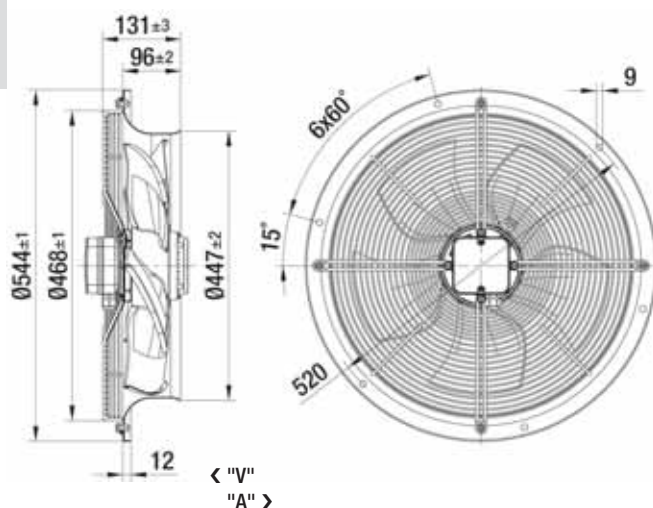


Type

		b	c ₁	h
A4D 420-AU02 -01	"V"	Ø 89	2.0	33.5
A4D 420-AU02 -02	"A"	Ø 89	16.0	33.5
A4E 420-AU03 -01	"V"	99x99	2.0	59.5
A4E 420-AU03 -02	"A"	99x99	16.0	59.5



With full round nozzle

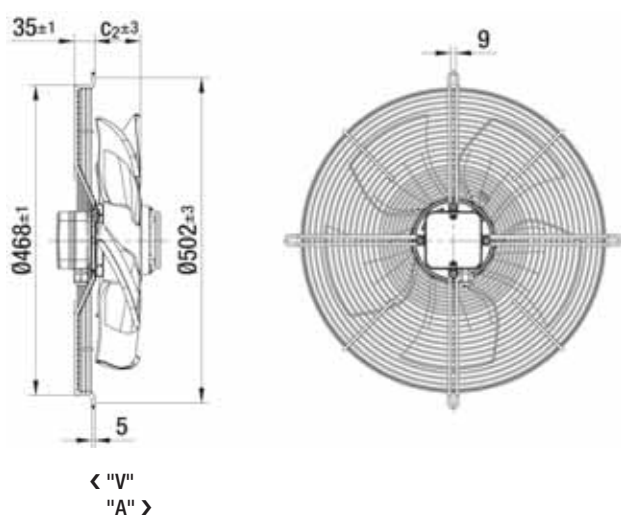


Type

W4D 420-CU02 -30	"V"
W4D 420-CU02 -31	"A"
W4E 420-CU03 -30	"V"
W4E 420-CU03 -31	"A"



With guard grille for full nozzle

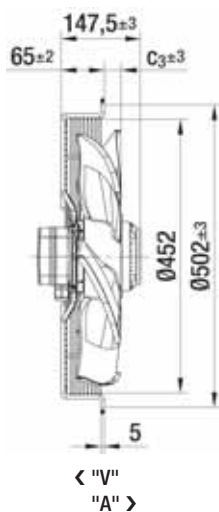


Type

		c ₂
S4D 420-BU02 -30	"V"	77.5
S4D 420-BU02 -31	"A"	91.5
S4E 420-BU03 -30	"V"	77.5
S4E 420-BU03 -31	"A"	91.5



With guard grille for short nozzle



Type

		c ₃
S4D 420-AU02 -03	"V"	47.5
S4D 420-AU02 -04	"A"	61.5
S4E 420-AU03 -03	"V"	47.5
S4E 420-AU03 -04	"A"	61.5

AC axial fans 6-pole

S series, Ø 420 / 450

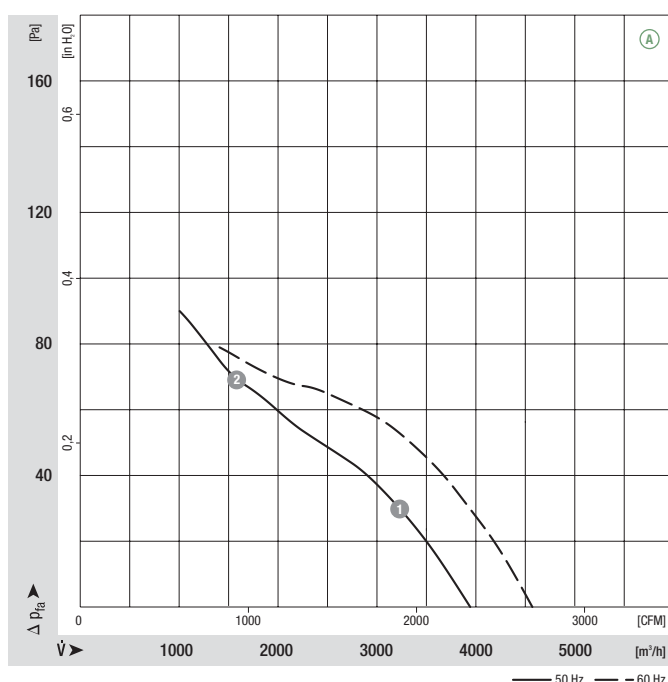


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "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.
*6E 420	M6E 074-EI	(A)	1~ 230 1~ 230	50 60	3940 4570	940 1090	145 205	0.67 0.90	4.0 / 450 4.0 / 450	60 63	90 80	-25 to +50 -25 to +45	4.4	A1)
*6E 450	M6E 074-GA	(B)	1~ 230 1~ 230	50 60	4725 5450	940 1070	165 225	0.80 0.98	4.0 / 450 4.0 / 450	63 67	70 45	-25 to +40 -25 to +40	5.0	A1)

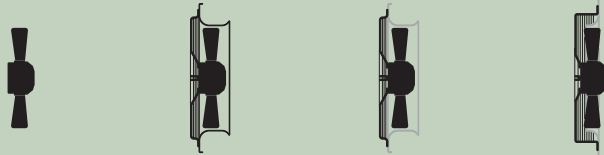
subject to alterations

Curves

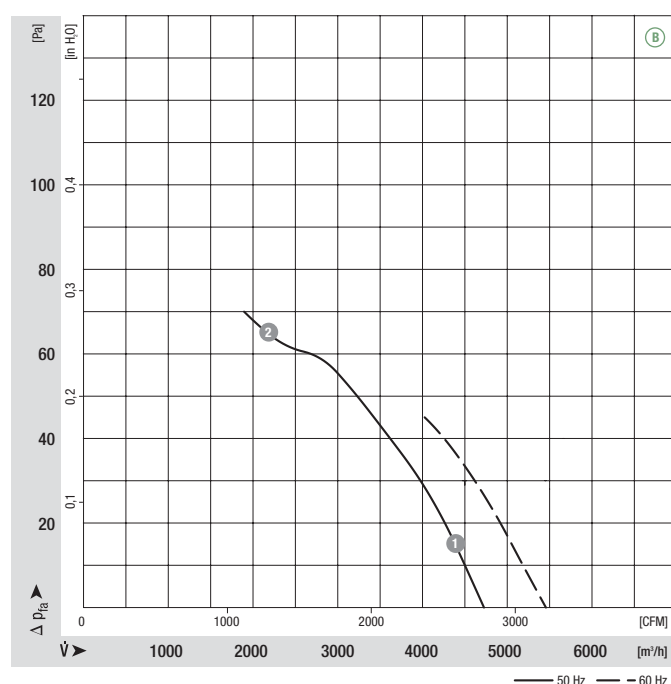


	n [rpm]	P ₁ [W]	I [A]
(A) 1	930	155	0.71
(A) 2	890	176	0.80

- **Motor protection:** TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, 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"	A6E 420-AP02 -01	W6E 420-CP02 -30	S6E 420-BP02 -30	S6E 420-AP02 -30
"A"	A6E 420-AP02 -02	W6E 420-CP02 -31	S6E 420-BP02 -31	S6E 420-AP02 -31
"V"	A6E 450-AP02 -01	W6E 450-CP02 -01	S6E 450-BP02 -01	S6E 450-AP02 -01
"A"	A6E 450-AP02 -02	W6E 450-CP02 -02	S6E 450-BP02 -02	S6E 450-AP02 -02

Curves



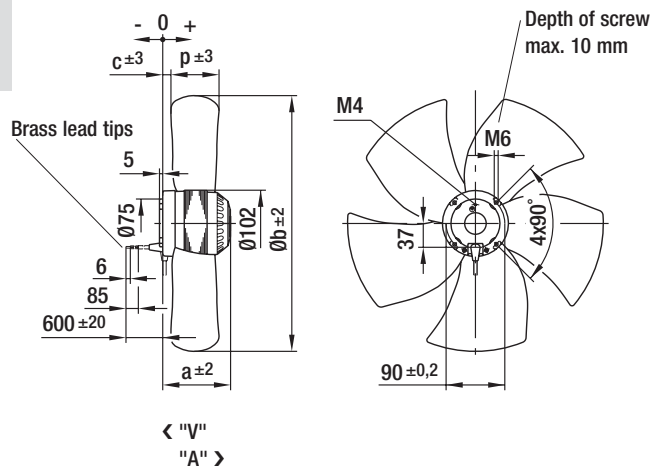
	n [rpm]	P ₁ [W]	I [A]
Ⓑ 1	930	171	0.82
Ⓑ 2	870	200	0.94

AC axial fans

S series, Ø 420 / 450, drawings of directions of air flow "V" and "A"



Without attachments

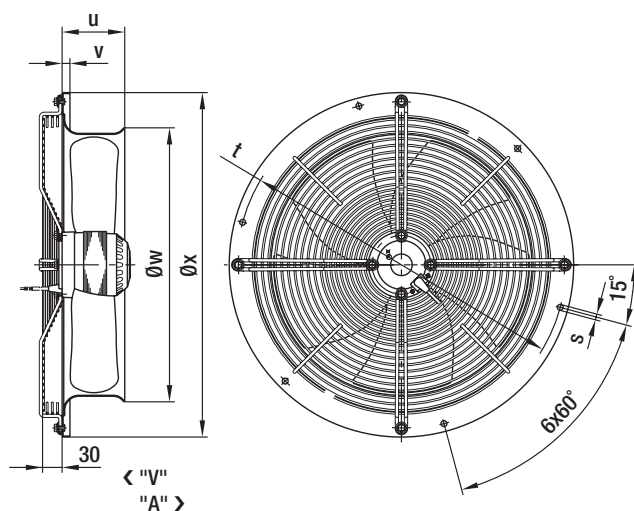


Type

		a	b	c	p
A6E 420-AP02 -01	"V"	117.0	418.0	2.0	89.0
A6E 420-AP02 -02	"A"	117.0	418.0	21.0	89.0
A6E 450-AP02 -01	"V"	129.0	446.0	10.0	92.0
A6E 450-AP02 -02	"A"	129.0	446.0	25.0	92.0



With full round nozzle

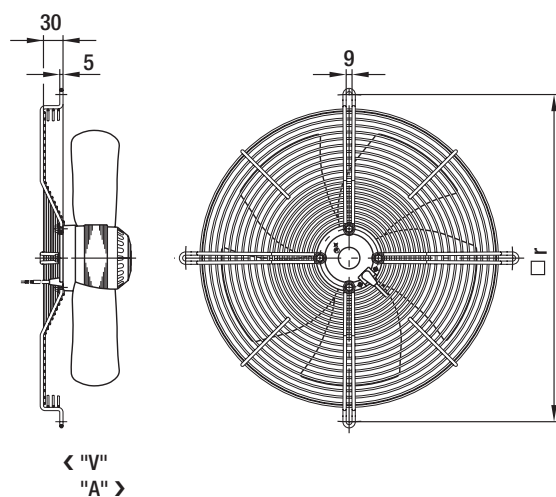


Type

		s	t	u	v	w	x
W6E 420-CP02 -30	"V"	9.0	520.0	96.0	12.0	447.0	544.0
W6E 420-CP02 -31	"A"	9.0	520.0	96.0	12.0	447.0	544.0
W6E 450-CP02 -01	"V"	11.0	578.0	100.0	14.0	465.0	607.0
W6E 450-CP02 -02	"A"	11.0	578.0	100.0	14.0	465.0	607.0



With guard grille for full nozzle

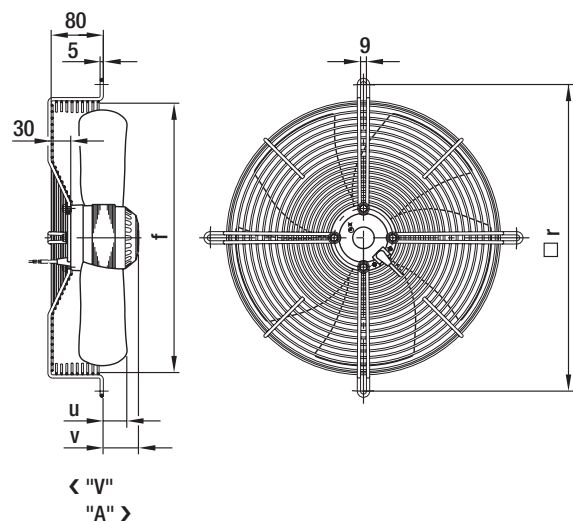


Type

		r
S6E 420-BP02 -30	"V"	502.0
S6E 420-BP02 -31	"A"	502.0
S6E 450-BP02 -01	"V"	522.0
S6E 450-BP02 -02	"A"	522.0



With guard grille for short nozzle



Type

		f	r	u	v
S6E 420-AP02 -30	"V"	452.0	502.0	41.0	67.0
S6E 420-AP02 -31	"A"	452.0	502.0	60.0	67.0
S6E 450-AP02 -01	"V"	476.0	522.0	52.0	79.0
S6E 450-AP02 -02	"A"	476.0	522.0	67.0	79.0

AC axial fans

S series, Ø 450



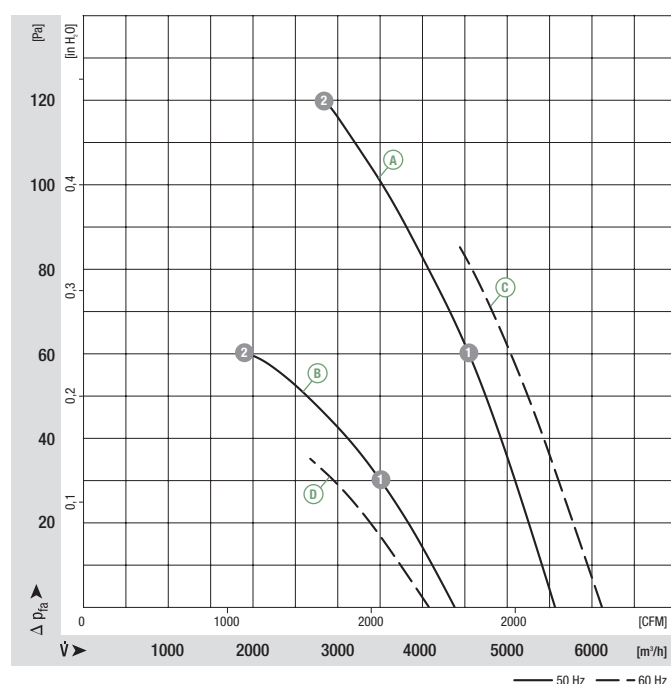
- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Plastic, coated in black
Rotor: Coated in black
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- Type of protection:** IP 54 (acc. to EN 60529)
- Insulation class:** "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	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg	p. 416 f.
*4D 450	M4D 094-EA	(A)	3~ 400 Δ	50	1250	340	0.61	—	120	-40 to +60	6.0	F1b)/F2b)
		(B)	3~ 400 Y	50	875	200	0.33	—	60	-40 to +60	6.0	
		(C)	3~ 400 Δ	60	1360	415	0.70	—	85	-40 to +50	6.0	F1b)/F2b)
		(D)	3~ 400 Y	60	860	205	0.35	—	35	-40 to +50	6.0	
*4E 450	M4E 094-EA	(E)	1~ 230	50	1300	350	1.55	8.0/400	120	-40 to +55	6.0	A2b)
			1~ 230	60	1490	425	1.87	8.0/400	50	-40 to +45	6.0	

subject to alterations

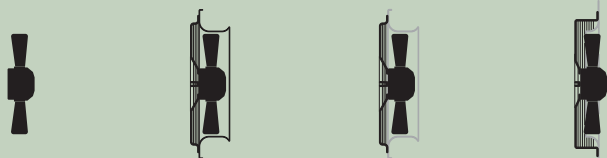
(1) Nominal data in operating point with maximum load

Curves

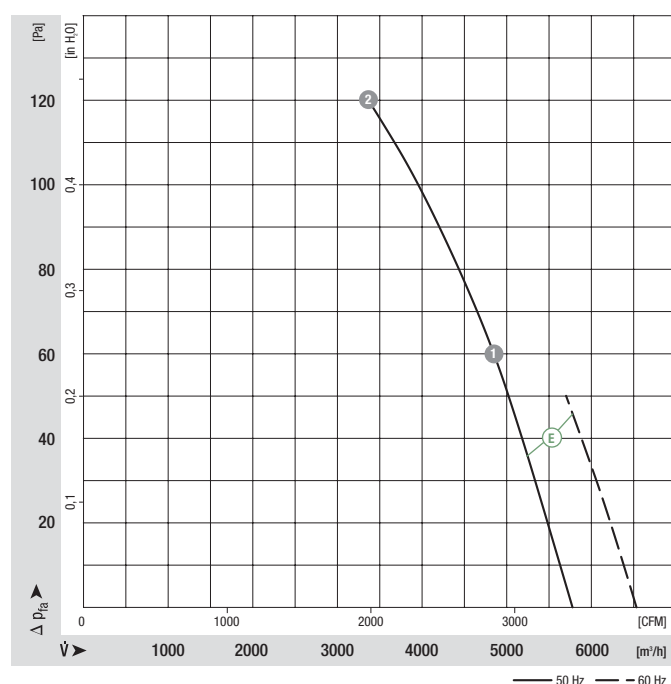


		n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A)	1	1300	285	0.54	67
(A)	2	1250	340	0.61	64
(B)	1	985	180	0.30	59
(B)	2	875	200	0.33	54

- **Motor protection:** Ⓐ-ⓓ Design with thermal overload protector, ⓔ TOP wired internally
- **Cable exit:** Lateral via terminal box
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE

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" "A"	A4D 450-AU01 -01 A4D 450-AU01 -02	W4D 450-CU01 -01 W4D 450-CU01 -02	S4D 450-BU01 -01 S4D 450-BU01 -02	S4D 450-AU01 -01 S4D 450-AU01 -02
"V" "A"	A4E 450-AU03 -01 A4E 450-AU03 -02	W4E 450-CU03 -01 W4E 450-CU03 -02	S4E 450-BU03 -01 S4E 450-BU03 -02	S4E 450-AU03 -01 S4E 450-AU03 -02

Curves



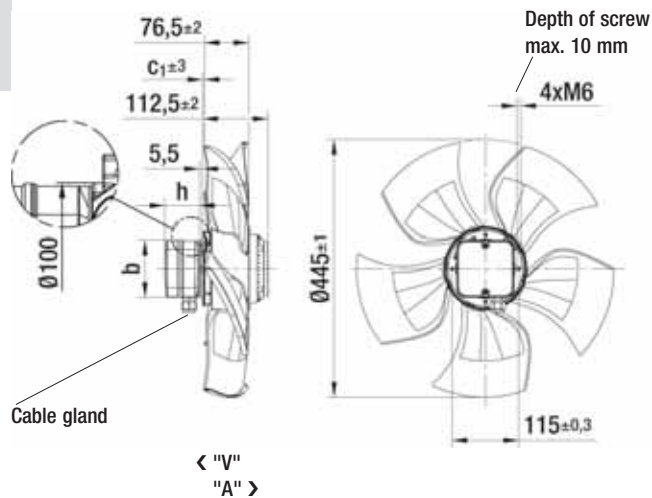
	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
ⓔ 1	1350	310	1.35	68
ⓔ 2	1300	350	1.55	65

AC axial fans

S series, Ø 450, drawings of directions of air flow "V" and "A"



Without attachments

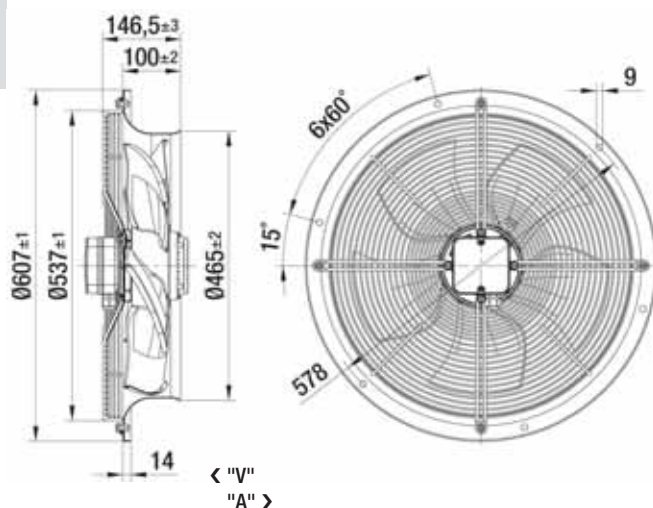


Type

		b	c ₁	h
A4D 450-AU01 -01	"V"	Ø 89	6.0	33.5
A4D 450-AU01 -02	"A"	Ø 89	20.0	33.5
A4E 450-AU03 -01	"V"	99x99	6.0	59.5
A4E 450-AU03 -02	"A"	99x99	20.0	59.5



With full round nozzle

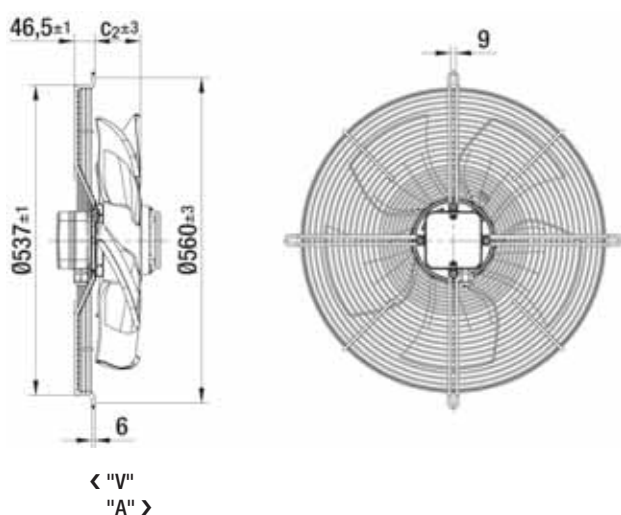


Type

W4D 450-CU01 -01	"V"
W4D 450-CU01 -02	"A"
W4E 450-CU03 -01	"V"
W4E 450-CU03 -02	"A"



With guard grille for full nozzle

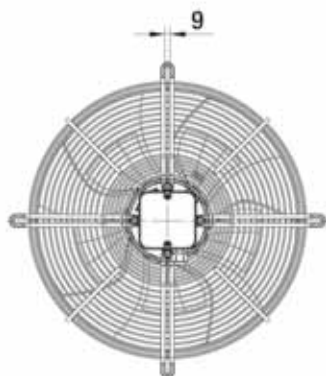
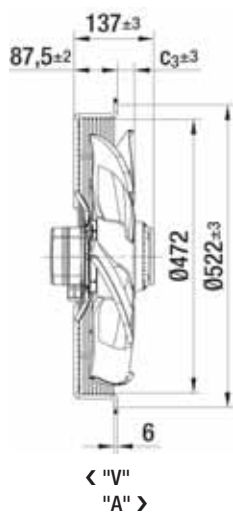


Type

		c ₂
S4D 450-BU01 -01	"V"	60.5
S4D 450-BU01 -02	"A"	74.5
S4E 450-BU03 -01	"V"	60.5
S4E 450-BU03 -02	"A"	74.5



With guard grille for short nozzle



Type

		c ₃
S4D 450-AU01 -01	"V"	19.5
S4D 450-AU01 -02	"A"	33.5
S4E 450-AU03 -01	"V"	19.5
S4E 450-AU03 -02	"A"	33.5

AC axial fans

S series, Ø 450



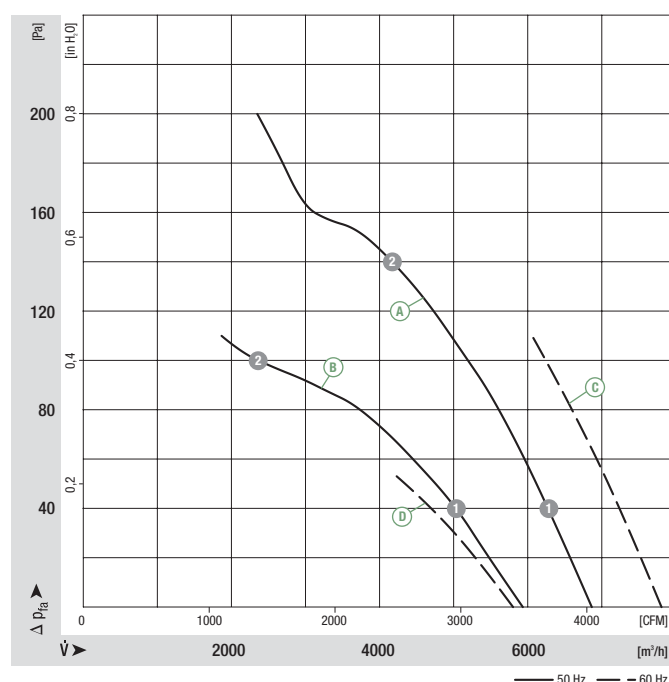
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "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	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg	p. 416 f.
*4D 450	M4D 094-HA	(A)	3~ 400 Δ	50	1330	585	1.10	—	200	-40 to +70	7.9	F1b)/F2b)
		(B)	3~ 400 Y	50	1000	390	0.67	—	110	-40 to +70	7.9	
		(C)	3~ 400 Δ	60	1540	660	1.16	—	110	-40 to +50	7.9	F1b)/F2b)
		(D)	3~ 400 Y	60	1060	400	0.70	—	55	-40 to +50	7.9	
*4E 450	M4E 094-HA	(E)	1~ 230	50	1350	480	2.10	10.0/400	125	-40 to +65	7.9	A2b)
			1~ 230	60	1490	665	2.90	10.0/400	115	-40 to +50	7.9	

subject to alterations

(1) Nominal data in operating point with maximum load

Curves

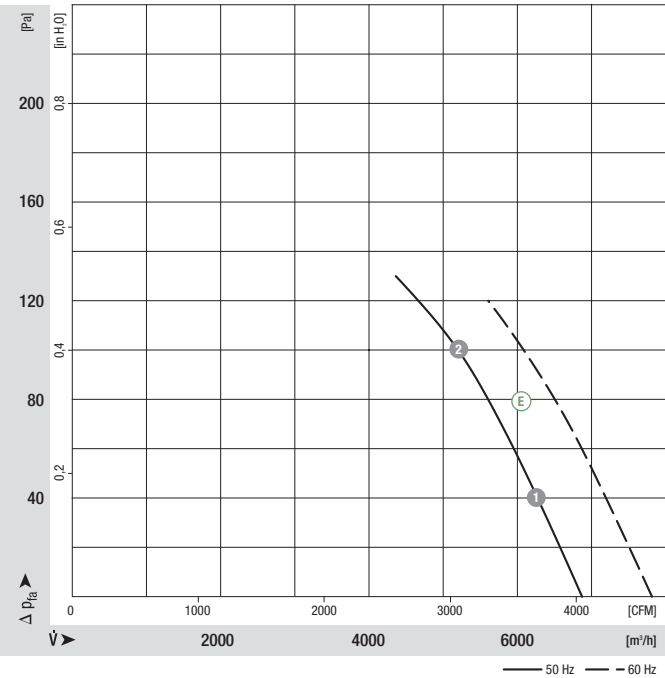


		n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A)	1	1400	392	0.89	72
(A)	2	1370	476	0.98	70
(B)	1	1170	303	0.53	68
(B)	2	1030	375	0.63	66

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

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" "A"	A4D 450-BA14 -01 A4D 450-BA14 -02	W4D 450-GA14 -01 W4D 450-GA14 -02	S4D 450-HA14 -01 S4D 450-HA14 -02	S4D 450-GA14 -01 S4D 450-GA14 -02	— —
"V" "A"	A4E 450-BA09 -01 A4E 450-BA09 -02	W4E 450-GA09 -01 W4E 450-GA09 -02	S4E 450-HA09 -01 S4E 450-HA09 -02	S4E 450-GA09 -01 S4E 450-GA09 -02	— —

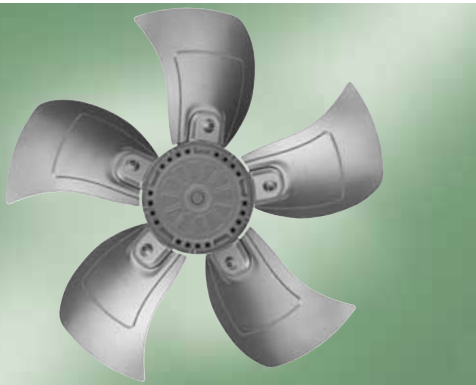
Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
Ⓔ 1	1380	413	2.01	72
Ⓔ 2	1360	460	2.20	70

AC axial fans

S series, Ø 450

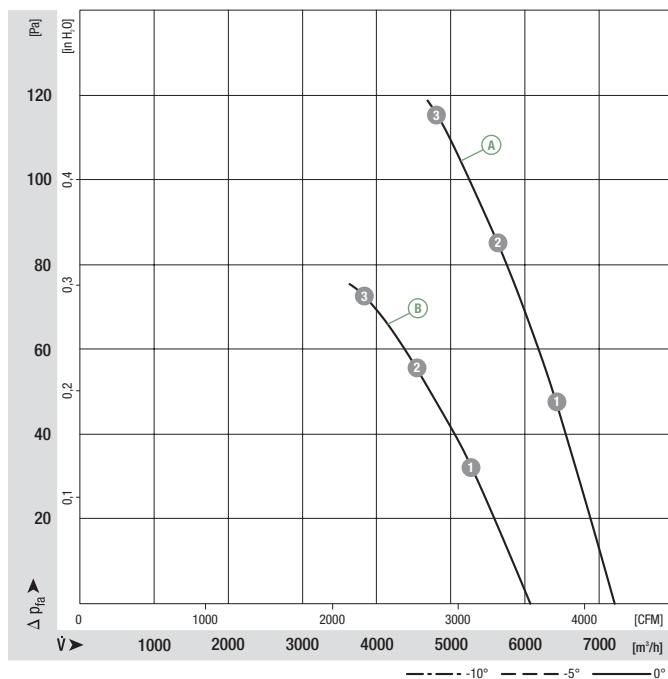


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** 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.	Mass of in-line duct fan	Electr. connection
Type	Motor			VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg	p. 416 f.
*4D 450	M4D 110-EF	0°	(A)	3~ 400 Δ	50	1350	490	1.00	—	115	-40 to +95	14.5	F1b)/F2b)
			(B)	3~ 400 Y	50	1075	340	0.58	—	75	-40 to +95		
*4E 450	M4E 110-EF	0°	(C)	1~ 230	50	1330	500	2.20	10.0/400	100	-40 to +80	14.5	A2b)

subject to alterations (1) Nominal data in operating point with maximum load

Curves

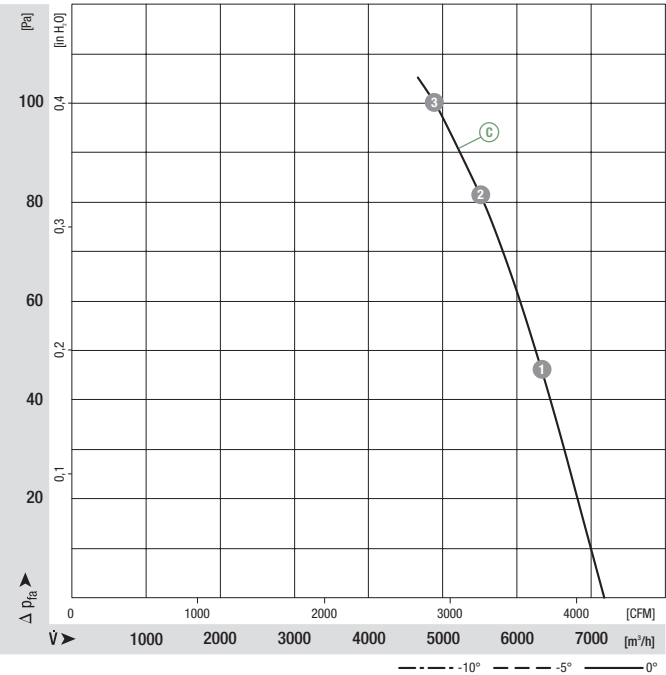


		n [rpm]	P ₁ [W]	I [A]	L _{wA} [dB(A)]
(A)	1	1370	450	0.97	76
(A)	2	1360	470	0.99	77
(A)	3	1350	490	1.00	79
(B)	1	1120	320	0.56	71
(B)	2	1090	330	0.57	73
(B)	3	1075	340	0.58	75

- **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" > 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" "A"	—	—	—	—	W4D 450-IG01 -01 —
"V" "A"	—	—	—	—	W4E 450-IG01 -01 —

Curves



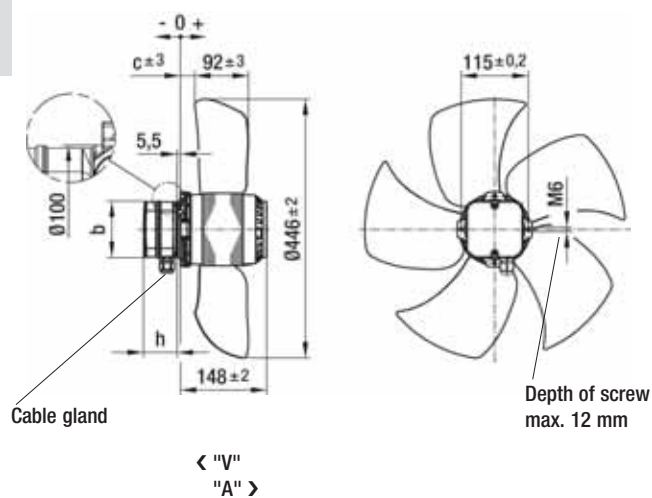
	n [rpm]	P ₁ [W]	I [A]	L _{wA} [dB(A)]
①	1360	460	2.00	76
②	1340	480	2.10	77
③	1330	500	2.20	78

AC axial fans

S series, Ø 450, drawings of directions of air flow "V" and "A"



Without attachments

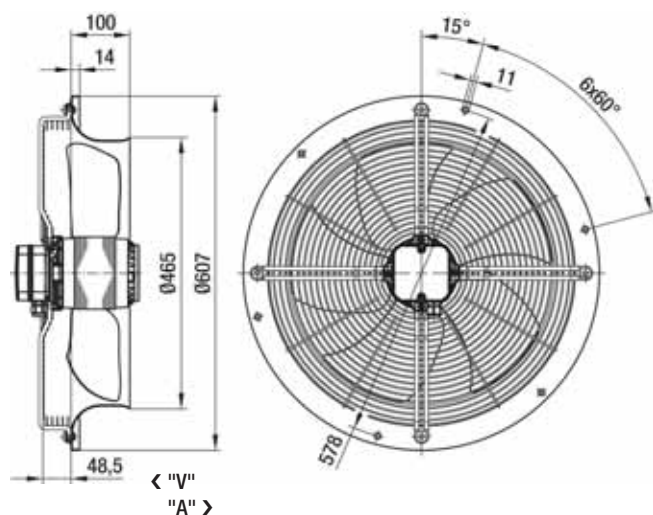


Type

		b	c	h
A4D 450-BA14 -01	"V"	Ø 89	35.0	33.5
A4D 450-BA14 -02	"A"	Ø 89	36.7	33.5
A4E 450-BA09 -01	"V"	99x99	35.0	59.5
A4E 450-BA09 -02	"A"	99x99	36.7	59.5



With full round nozzle

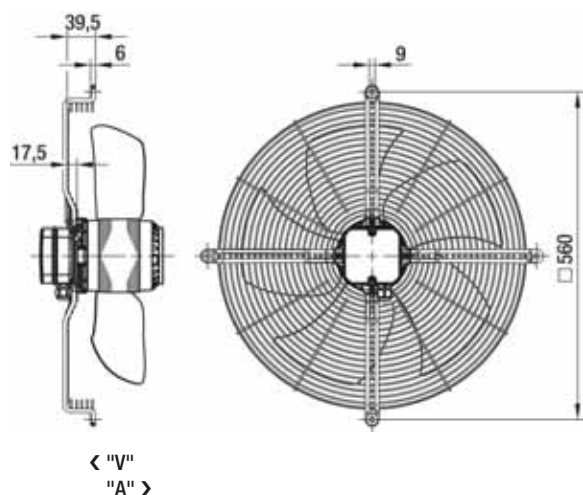


Type

W4D 450-GA14 -01	"V"
W4D 450-GA14 -02	"A"
W4E 450-GA09 -01	"V"
W4E 450-GA09 -02	"A"



With guard grille for full nozzle

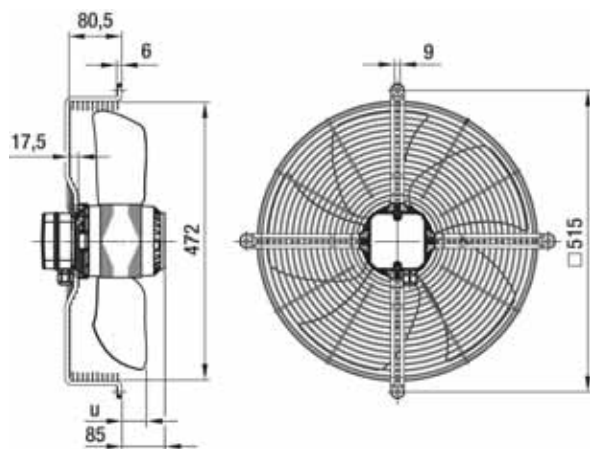


Type

S4D 450-HA14 -01	"V"
S4D 450-HA14 -02	"A"
S4E 450-HA09 -01	"V"
S4E 450-HA09 -02	"A"



With guard grille for short nozzle



< "V"
"A" >

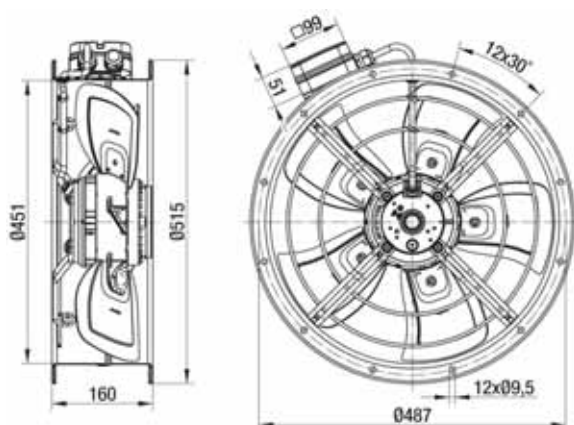
Type

u

S4D 450-GA14 -01	"V"	64.0
S4D 450-GA14 -02	"A"	65.7
S4E 450-GA09 -01	"V"	64.0
S4E 450-GA09 -02	"A"	65.7



In-line duct fan



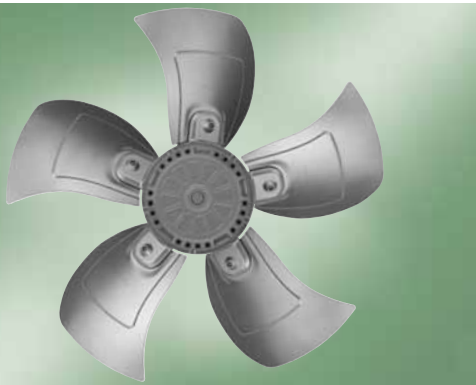
< "V"

Type

W4D 450-IG01 -01	"V"
W4E 450-IG01 -01	"V"

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

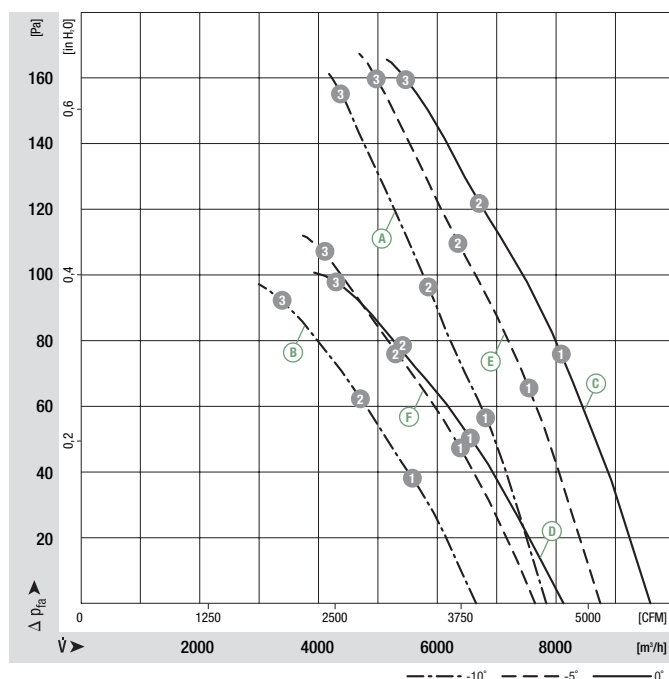
Nominal data

Type	Motor			VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 416 f.
*4D 500	M4D 110-EF	-10°	A 3~ 400 Δ B 3~ 400 Y	50	1310	0.58	1.10	—	155	-40 to +85	F1b)/F2b)	
				50	1010	0.38	0.65	—	95	-40 to +85		
*4D 500	M4D 110-GF	0°	C 3~ 400 Δ D 3~ 400 Y	50	1325	0.82	1.59	—	160	-40 to +80	F1b)/F2b)	
				50	1035	0.55	0.95	—	100	-40 to +80		
*4D 500	M4D 110-GF	-5°	E 3~ 400 Δ F 3~ 400 Y	50	1360	0.69	1.43	—	160	-40 to +90	F1b)/F2b)	
				50	1110	0.49	0.86	—	105	-40 to +90		

subject to alterations

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

Curves



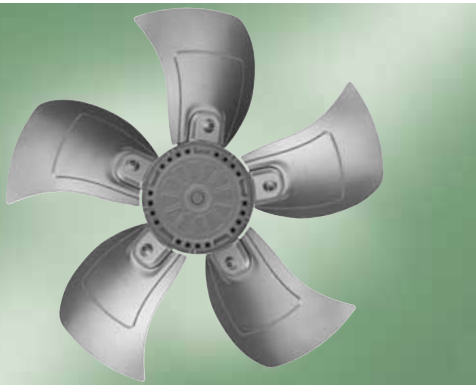
	n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A) 1	1355	0.46	0.97	76
(A) 2	1340	0.50	1.01	78
(A) 3	1310	0.58	1.10	80
(B) 1	1110	0.33	0.56	72
(B) 2	1070	0.34	0.60	73
(B) 3	1010	0.38	0.65	74
(C) 1	1355	0.70	1.39	77
(C) 2	1345	0.75	1.44	78
(C) 3	1325	0.82	1.59	80
(D) 1	1100	0.50	0.84	73
(D) 2	1070	0.52	0.87	72
(D) 3	1035	0.55	0.95	74
(E) 1	1390	0.57	1.23	76
(E) 2	1380	0.62	1.29	77
(E) 3	1360	0.69	1.43	80
(F) 1	1180	0.43	0.72	73
(F) 2	1150	0.46	0.77	73
(F) 3	1110	0.49	0.86	76

- **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"	A4D 500-AI01 -01	W4D 500-GI01 -01	S4D 500-CI01 -01	S4D 500-AI01 -01	—	—	—	—
"A"	A4D 500-AI01 -02	W4D 500-DI01 -02	—	—	S4D 500-BI01 -02	S4D 500-AI01 -02	—	—
"V"	A4D 500-AD03 -01	W4D 500-GD03 -01	S4D 500-CD03 -01	S4D 500-AD03 -01	—	—	—	W4D 500-ID03 -01
"A"	A4D 500-AD03 -02	W4D 500-DD03 -02	—	—	S4D 500-BD03 -02	S4D 500-AD03 -02	—	—
"V"	A4D 500-AE03 -01	W4D 500-GE03 -01	S4D 500-CE03 -01	S4D 500-AE03 -01	—	—	—	—
"A"	A4D 500-AE03 -02	W4D 500-DE03 -02	—	—	S4D 500-BE03 -02	S4D 500-AE03 -02	—	—

AC axial fans

S series, Ø 500

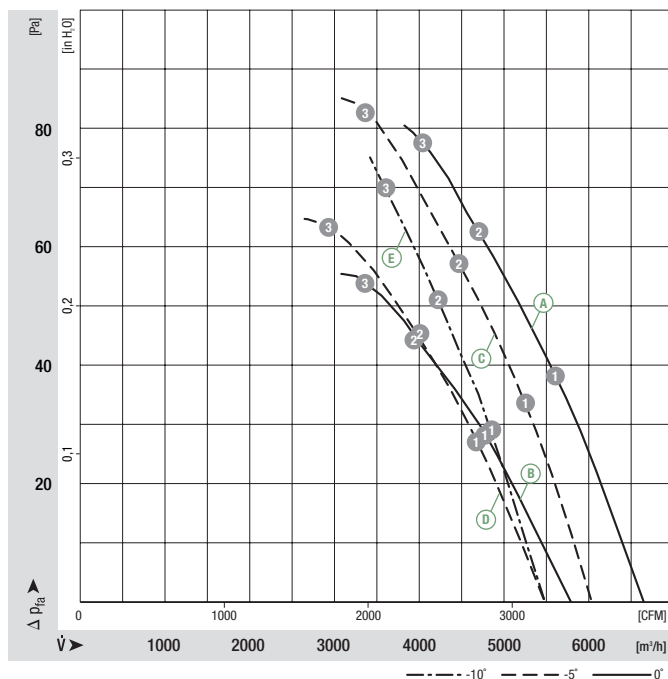


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction 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.
*6D 500	M6D 110-EF	0°	(A)	3~ 400 Δ	50	920	0.32	0.75	—	75	-40 to +75	F1b)/F2b)
			(B)	3~ 400 Y	50	765	0.23	0.40	—	50	-40 to +75	
*6D 500	M6D 110-EF	-5°	(C)	3~ 400 Δ	50	945	0.29	0.74	—	80	-40 to +80	F1b)/F2b)
			(D)	3~ 400 Y	50	790	0.20	0.36	—	60	-40 to +80	
*6D 500	M6D 110-EF	-10°	(E)	3~ 400 Δ	50	950	0.23	0.69	—	65	-40 to +80	F1b)/F2b)
*8D 500	M8D 110-EF	0°	(G)	3~ 400 Δ	50	700	0.21	0.61	—	45	-40 to +70	F1b)/F2b)
			(H)	3~ 400 Y	50	615	0.12	0.25	—	34	-40 to +70	

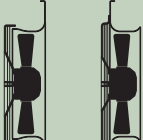
subject to alterations (1) Nominal data in operating point 3 with maximum load

Curves

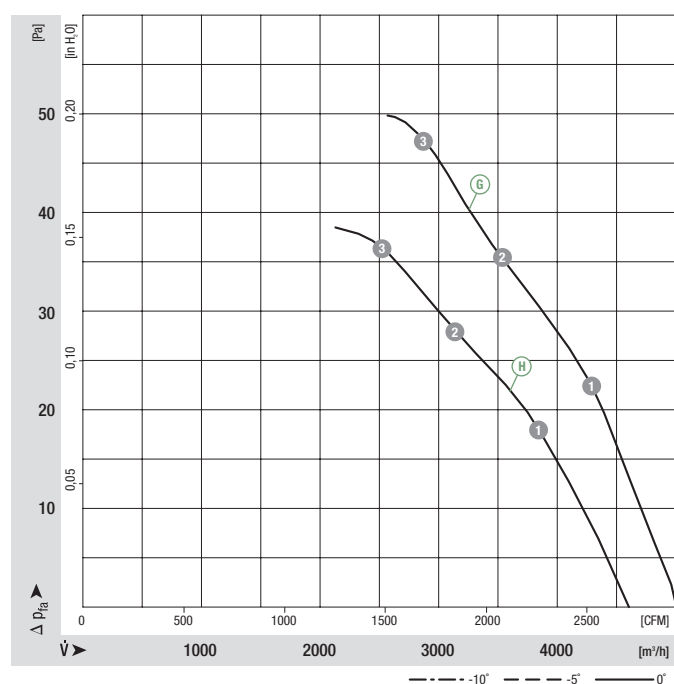


	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
(A) 1	935	0.29	0.75	70
(A) 2	930	0.30	0.76	70
(A) 3	920	0.32	0.75	71
(B) 1	800	0.20	0.36	67
(B) 2	785	0.21	0.37	66
(B) 3	765	0.23	0.40	67
(C) 1	950	0.24	0.71	69
(C) 2	940	0.25	0.72	69
(C) 3	945	0.29	0.74	72
(D) 1	845	0.17	0.31	66
(D) 2	830	0.18	0.33	66
(D) 3	790	0.20	0.36	68
(E) 1	960	0.20	0.68	68
(E) 2	955	0.21	0.68	70
(E) 3	950	0.23	0.69	71

- **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"	A6D 500-AG03 -01	W6D 500-GG03 -01	S6D 500-CG03 -01	S6D 500-AG03 -01	—	—	—
"A"	A6D 500-AG03 -02	W6D 500-DG03 -02	—	—	S6D 500-BG03 -02	S6D 500-AG03 -02	—
"V"	A6D 500-AH03 -01	W6D 500-GH03 -01	S6D 500-CH03 -01	S6D 500-AH03 -01	—	—	—
"A"	A6D 500-AH03 -02	W6D 500-DH03 -02	—	—	S6D 500-BH03 -02	S6D 500-AH03 -02	—
"V"	A6D 500-AI03 -01	W6D 500-GI03 -01	S6D 500-CI03 -01	S6D 500-AI03 -01	—	—	—
"A"	A6D 500-AI03 -02	W6D 500-DI03 -02	—	—	S6D 500-BI03 -02	S6D 500-AI03 -02	—
"V"	A8D 500-AG01 -01	W8D 500-GG01 -01	S8D 500-CG01 -01	S8D 500-AG01 -01	—	—	—
"A"	A8D 500-AG01 -02	W8D 500-DG01 -02	—	—	S8D 500-BG01 -02	S8D 500-AG01 -02	—

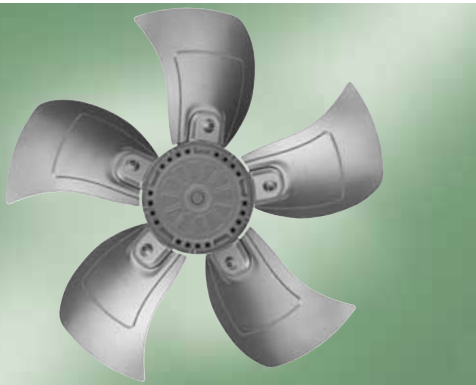
Curves



	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
Ⓔ ①	710	0.19	0.64	64
Ⓔ ②	710	0.20	0.63	62
Ⓔ ③	700	0.21	0.61	65
Ⓕ ①	635	0.11	0.23	61
Ⓕ ②	630	0.12	0.24	60
Ⓕ ③	615	0.12	0.25	61

AC axial fans

S series, Ø 500



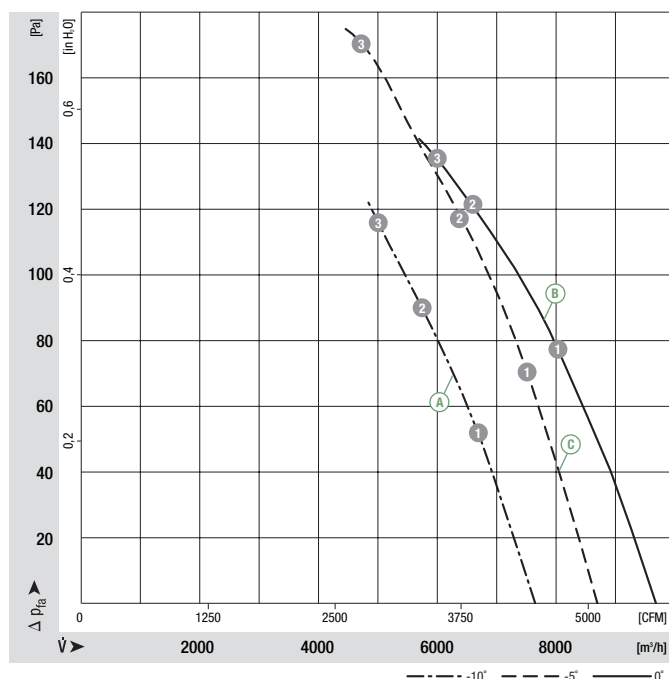
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction 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.
*4E 500	M4E 110-EF	-10°	(A)	1~ 230	50	1300	0.53	2.31	10.0/450	115	-40 to +75	A2b)
*4E 500	M4E 110-GF	0°	(B)	1~ 230	50	1270	0.76	3.33	14.0/400	130	-40 to +60	A2b)
*4E 500	M4E 110-GF	-5°	(C)	1~ 230	50	1330	0.71	3.10	14.0/450	160	-40 to +70	A2b)

subject to alterations

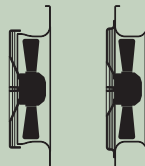
(1) Nominal data in operating point 3 with maximum load

Curves



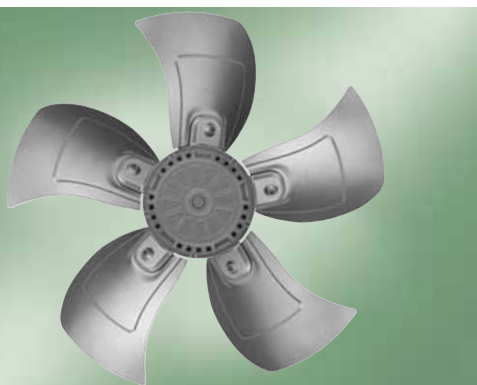
		n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A)	1	1345	0.47	2.06	76
(A)	2	1320	0.51	2.21	77
(A)	3	1300	0.53	2.31	78
(B)	1	1305	0.71	3.13	77
(B)	2	1285	0.75	3.28	77
(B)	3	1270	0.76	3.33	78
(C)	1	1375	0.59	2.59	76
(C)	2	1355	0.64	2.80	77
(C)	3	1330	0.71	3.10	80

- **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"	A4E 500-AI01 -01	W4E 500-GI01 -01	S4E 500-CI01 -01	S4E 500-AI01 -01	—	—	—	—	—
"A"	A4E 500-AI01 -02	W4E 500-DI01 -02	—	—	—	—	—	—	—
"V"	A4E 500-AD03 -01	W4E 500-GD03 -01	S4E 500-CD03 -01	S4E 500-AD03 -01	—	—	—	—	W4E 500-ID03 -01
"A"	A4E 500-AD03 -02	W4E 500-DD03 -02	—	—	—	—	—	—	—
"V"	A4E 500-AE03 -01	W4E 500-GE03 -01	S4E 500-CE03 -01	S4E 500-AE03 -01	—	—	—	—	—
"A"	A4E 500-AE03 -02	W4E 500-DE03 -02	—	—	—	—	S4E 500-BE03 -02	S4E 500-AE03 -02	—

AC axial fans

S series, Ø 500

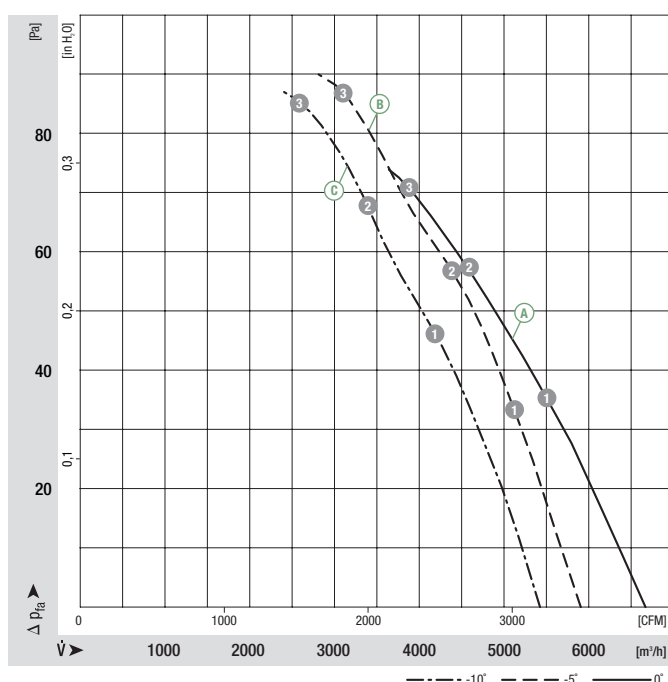


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction 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

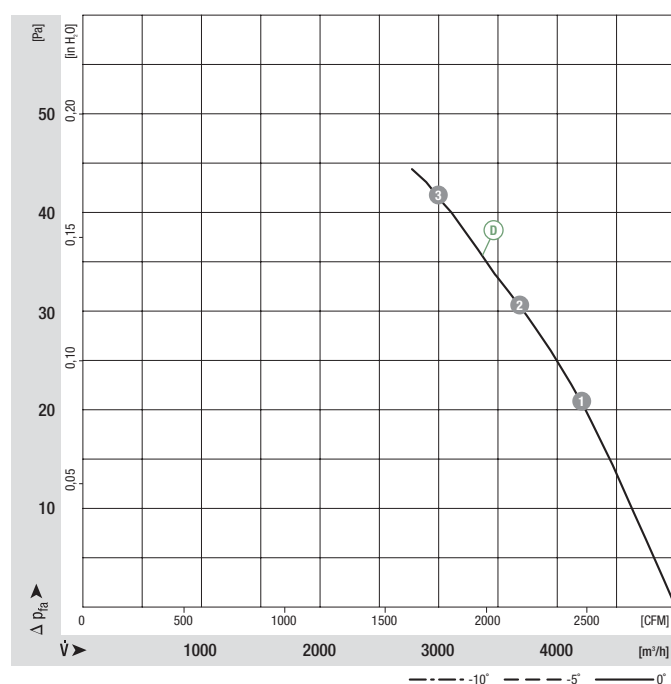


		n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A)	1	910	0.28	1.20	71
(A)	2	900	0.29	1.25	69
(A)	3	890	0.30	1.32	70
(B)	1	935	0.24	1.04	69
(B)	2	925	0.25	1.09	69
(B)	3	910	0.27	1.19	72
(C)	1	945	0.23	0.99	69
(C)	2	940	0.24	1.04	71
(C)	3	930	0.25	1.10	74

- **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" >	"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	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



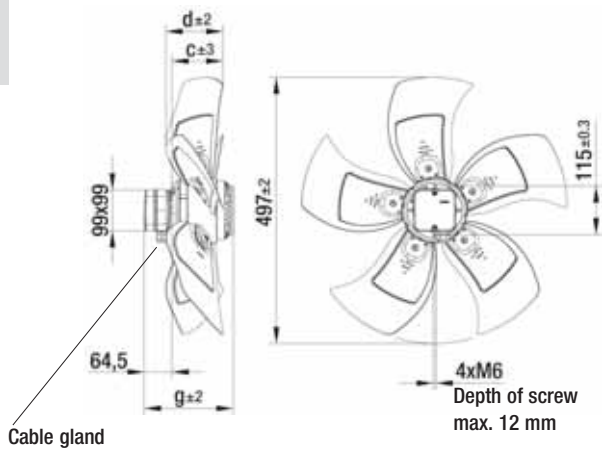
	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
①	695	0.18	1.09	64
②	695	0.19	1.10	63
③	690	0.19	1.11	63

AC axial fans

S series, Ø 500, drawings for direction of air flow "V"



Without attachments

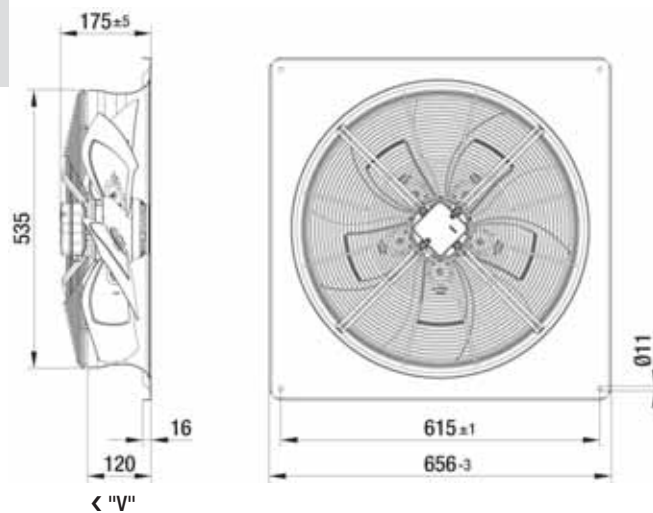


< "V"

Type	Mass [kg]	c	d	g
A4D 500-AI01 -01	8.8	92.0	78.0	188.5
A4D 500-AD03 -01	11.0	104.0	101.0	208.5
A4D 500-AE03 -01	11.0	98.0	89.0	208.5
A6D 500-AG03 -01	8.8	104.0	101.0	188.5
A6D 500-AH03 -01	8.8	98.0	89.0	188.5
A6D 500-AI03 -01	8.8	92.0	78.0	188.5
A8D 500-AG01 -01	8.8	104.0	101.0	188.5
A4E 500-AI01 -01	8.8	92.0	78.0	188.5
A4E 500-AD03 -01	11.0	104.0	101.0	208.5
A4E 500-AE03 -01	11.0	98.0	89.0	208.5
A6E 500-AG03 -01	8.8	104.0	101.0	188.5
A6E 500-AH03 -01	8.8	98.0	89.0	188.5
A6E 500-AI03 -01	8.8	92.0	78.0	188.5
A8E 500-AG01 -01	8.8	104.0	101.0	188.5



With full square nozzle

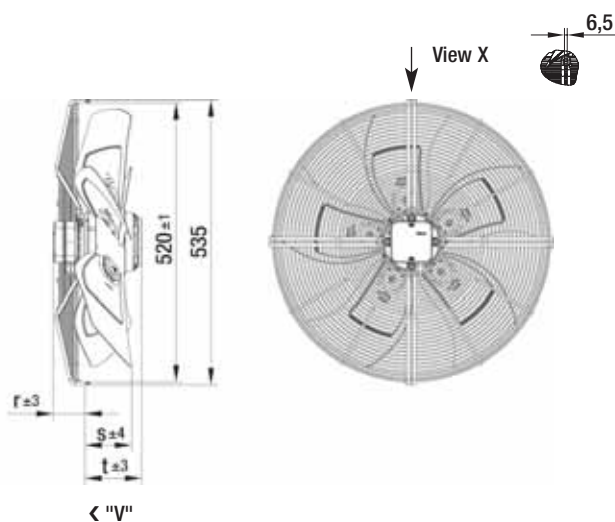


< "V"

Type	Mass [kg]
W4D 500-GI01 -01	18.6
W4D 500-GD03 -01	21.0
W4D 500-GE03 -01	21.0
W6D 500-GG03 -01	18.6
W6D 500-GH03 -01	18.6
W6D 500-GI03 -01	18.6
W8D 500-GG01 -01	18.6
W4E 500-GI01 -01	18.6
W4E 500-GD03 -01	21.0
W4E 500-GE03 -01	21.0
W6E 500-GG03 -01	18.6
W6E 500-GH03 -01	18.6
W6E 500-GI03 -01	18.6
W8E 500-GG01 -01	18.6



With guard grille for full nozzle

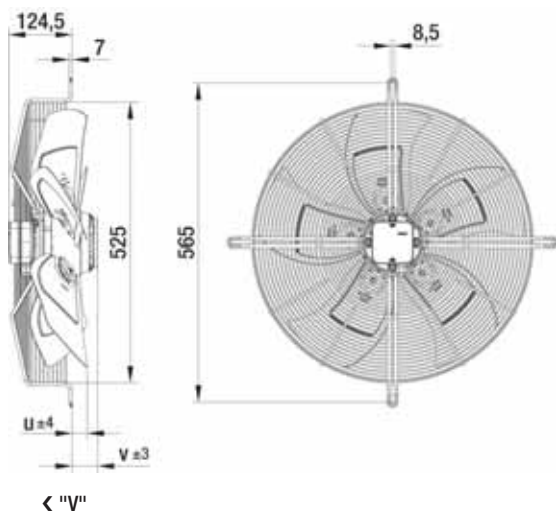


< "V"

Type	Mass [kg]	r	s	t
S4D 500-CI01 -01	12.6	63.5	91.0	123.0
S4D 500-CD03 -01	14.8	65.5	103.0	143.0
S4D 500-CE03 -01	14.8	65.5	97.0	143.0
S6D 500-CG03 -01	12.6	65.5	103.0	123.0
S6D 500-CH03 -01	12.6	65.5	97.0	123.0
S6D 500-CI03 -01	12.6	63.5	97.0	123.0
S8D 500-CG01 -01	12.6	63.5	103.0	123.0
S4E 500-CI01 -01	12.6	63.5	91.0	123.0
S4E 500-CD03 -01	14.8	65.5	103.0	143.0
S4E 500-CE03 -01	14.8	65.5	97.0	143.0
S6E 500-CG03 -01	12.6	63.5	103.0	123.0
S6E 500-CH03 -01	12.6	63.5	97.0	123.0
S6E 500-CI03 -01	12.6	63.5	97.0	123.0
S8E 500-CG01 -01	12.6	63.5	103.0	123.0



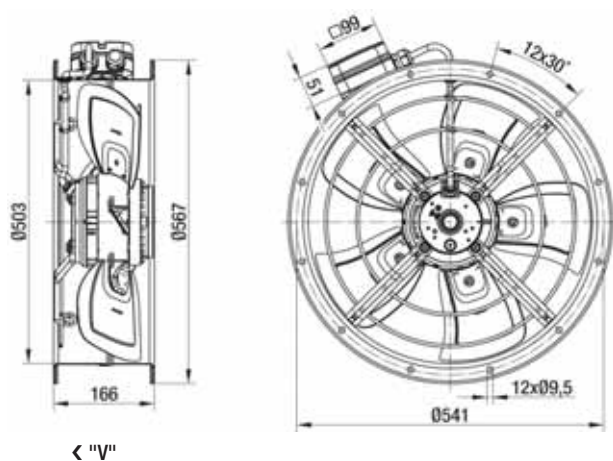
With guard grille for short nozzle



Type	Mass [kg]	u	v
S4D 500-AI01 -01	13.3	32.0	64.0
S4D 500-AD03 -01	15.5	44.0	84.0
S4D 500-AE03 -01	15.5	38.0	84.0
S6D 500-AG03 -01	13.3	44.0	64.0
S6D 500-AH03 -01	13.3	38.0	64.0
S6D 500-AI03 -01	13.3	32.0	64.0
S8D 500-AG01 -01	13.3	44.0	64.0
S4E 500-AI01 -01	13.3	32.0	64.0
S4E 500-AD03 -01	15.5	44.0	84.0
S4E 500-AE03 -01	15.5	38.0	84.0
S6E 500-AG03 -01	13.3	44.0	64.0
S6E 500-AH03 -01	13.3	38.0	64.0
S6E 500-AI03 -01	13.3	32.0	64.0
S8E 500-AG01 -01	13.3	44.0	64.0



In-line duct fan



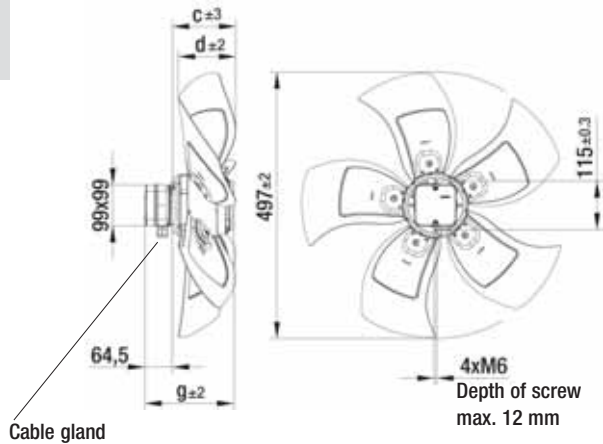
Type	Mass [kg]
W4D 500-ID03 -01	16.8
W4E 500-ID03 -01	16.8
W6E 500-IG03 -01	14.8

AC axial fans

S series, Ø 500, drawings for direction of air flow "A"



Without attachments

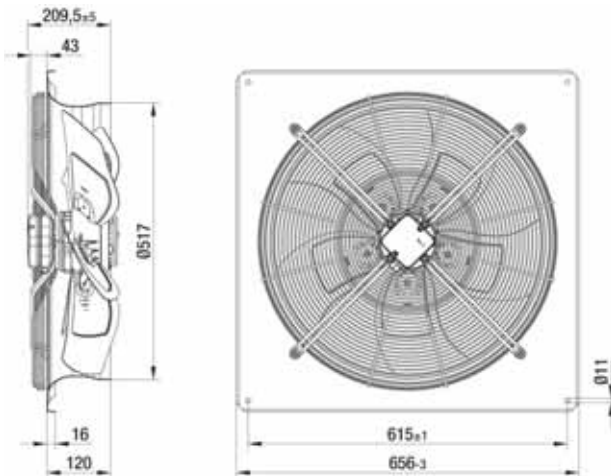


"A" >

Type	Mass [kg]	c	d	g
A4D 500-AI01 -02	8.8	95.0	78.0	188.5
A4D 500-AD03 -02	11.0	131.0	101.0	208.5
A4D 500-AE03 -02	11.0	126.0	89.0	208.5
A6D 500-AG03 -02	8.8	131.0	101.0	188.5
A6D 500-AH03 -02	8.8	126.0	89.0	188.5
A6D 500-AI03 -02	8.8	120.0	78.0	188.5
A8D 500-AG01 -02	8.8	131.0	101.0	188.5
A4E 500-AI01 -02	8.8	120.0	78.0	188.5
A4E 500-AD03 -02	11.0	131.0	101.0	208.5
A4E 500-AE03 -02	11.0	126.0	89.0	208.5
A6E 500-AG03 -02	8.8	131.0	101.0	188.5
A6E 500-AH03 -02	8.8	126.0	89.0	188.5
A6E 500-AI03 -02	8.8	120.0	78.0	188.5
A8E 500-AG01 -02	8.8	131.0	101.0	188.5



With full square nozzle

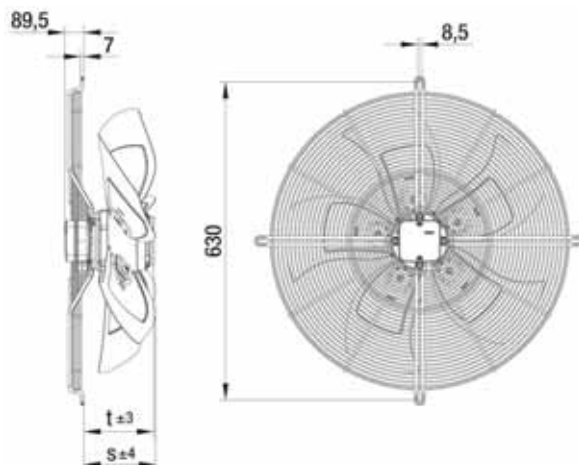


"A" >

Type	Mass [kg]
W4D 500-DI01 -02	18.8
W4D 500-DD03 -02	21.0
W4D 500-DE03 -02	21.0
W6D 500-DG03 -02	18.8
W6D 500-DH03 -02	18.8
W6D 500-DI03 -02	18.8
W8D 500-DG01 -02	18.8
W4E 500-DI01 -02	18.8
W4E 500-DD03 -02	21.0
W4E 500-DE03 -02	21.0
W6E 500-DG03 -02	18.8
W6E 500-DH03 -02	18.8
W6E 500-DI03 -02	18.8
W8E 500-DG01 -02	18.8



With guard grille for full nozzle

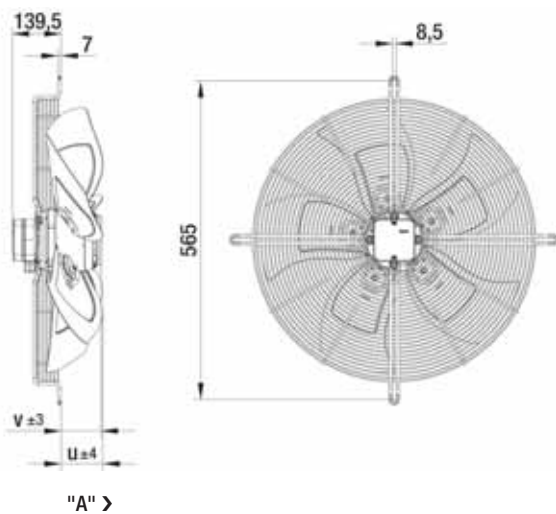


"A" >

Type	Mass [kg]	s	t
S4D 500-BI01 -02	12.6	95.0	99.0
S4D 500-BD03 -02	14.8	119.0	106.0
S4D 500-BE03 -02	14.8	119.0	101.0
S6D 500-BG03 -02	12.6	99.0	106.0
S6D 500-BH03 -02	12.6	99.0	101.0
S6D 500-BI03 -02	12.6	95.0	99.0
S8D 500-BG01 -02	12.6	106.0	99.0
S4E 500-BI01 -02	12.6	95.0	99.0
S4E 500-BD03 -02	14.8	119.0	106.0
S4E 500-BE03 -02	14.8	119.0	101.0
S6E 500-BG03 -02	12.6	106.0	99.0
S6E 500-BH03 -02	12.6	101.0	99.0
S6E 500-BI03 -02	12.6	95.0	99.0
S8E 500-BG01 -02	12.6	106.0	99.0



With guard grille for short nozzle



Type	Mass [kg]	u	v
S4D 500-AI01 -02	12.3	45.0	49.0
S4D 500-AD03 -02	14.5	56.0	69.0
S4D 500-AE03 -02	14.5	51.0	69.0
S6D 500-AG03 -02	12.3	56.0	49.0
S6D 500-AH03 -02	12.3	51.0	49.0
S6D 500-AI03 -02	12.3	45.0	49.0
S8D 500-AG01 -02	12.3	56.0	49.0
S4E 500-AI01 -02	12.3	45.0	49.0
S4E 500-AD03 -02	14.5	56.0	69.0
S4E 500-AE03 -02	14.5	51.0	69.0
S6E 500-AG03 -02	12.3	56.0	49.0
S6E 500-AH03 -02	12.3	51.0	49.0
S6E 500-AI03 -02	12.3	45.0	49.0
S8E 500-AG01 -02	12.3	56.0	49.0

AC axial fans

S series, Ø 560

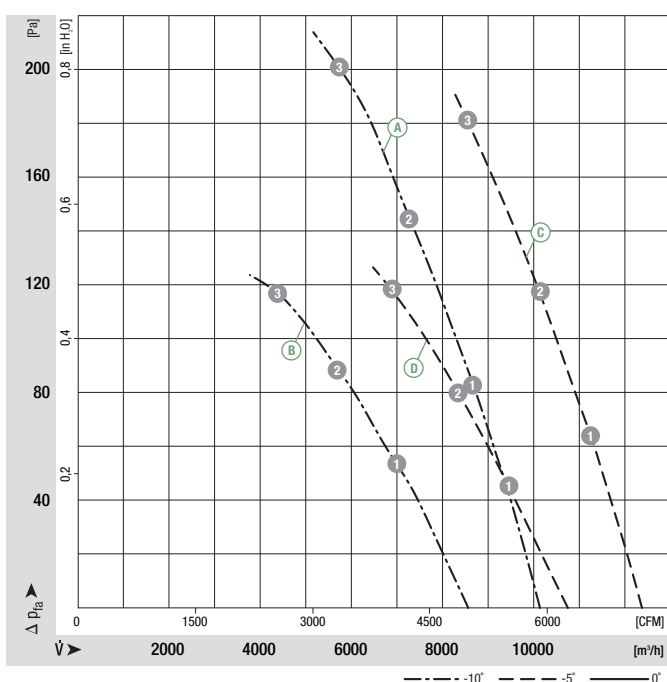


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of 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.
*4D 560	M4D 110-GF	-10°	(A)	3~ 400 Δ	50	1305	0.93	1.78	—	195	-40 to +65	F1b)/F2b)
			(B)	3~ 400 Y	50	995	0.60	1.05	—	110	-40 to +65	
*4D 560	M4D 110-IA	-5°	(C)	3~ 400 Δ	50	1355	1.17	2.53	—	170	-40 to +60	F1b)/F2b)
			(D)	3~ 400 Y	50	1080	0.80	1.45	—	113	-40 to +60	
*6D 560	M6D 110-EF	0°	(E)	3~ 400 Δ	50	860	0.50	0.95	—	80	-40 to +55	F1b)/F2b)
			(F)	3~ 400 Y	50	615	0.30	0.52	—	40	-40 to +55	
*6D 560	M6D 110-EF	-5°	(G)	3~ 400 Δ	50	890	0.43	0.90	—	90	-40 to +70	F1b)/F2b)
			(H)	3~ 400 Y	50	660	0.28	0.48	—	50	-40 to +70	

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

Curves

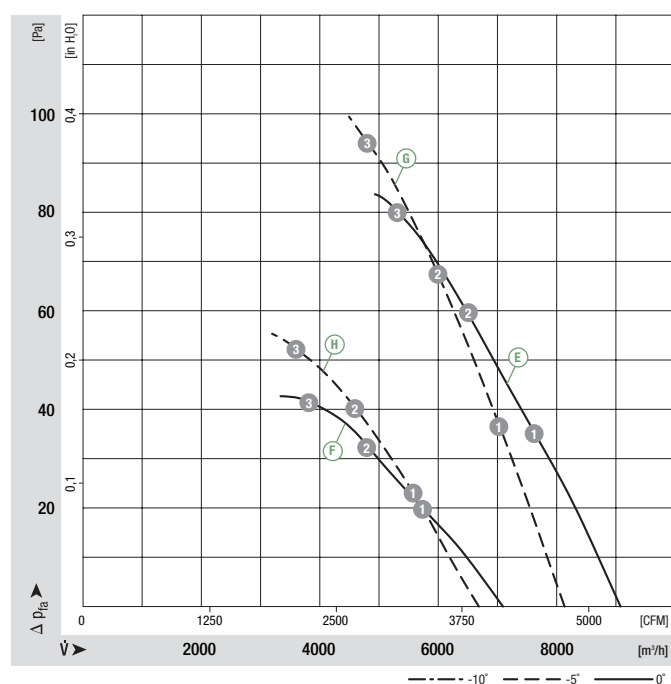


		n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
(A)	1	1350	0.76	1.50	79
(A)	2	1330	0.84	1.60	79
(A)	3	1305	0.93	1.78	80
(B)	1	1085	0.53	0.89	76
(B)	2	1040	0.56	0.95	75
(B)	3	995	0.60	1.05	75
(C)	1	1385	0.99	2.33	80
(C)	2	1370	1.07	2.45	80
(C)	3	1355	1.17	2.53	81
(D)	1	1155	0.72	1.28	77
(D)	2	1125	0.76	1.35	76
(D)	3	1080	0.80	1.45	77

- **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	With guard grille for full nozzle	With guard grille for short 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"	A4D 560-AF03 -01	W4D 560-GF03 -01	S4D 560-CF03 -01	S4D 560-AF03 -01	—	—	S4D 560-BF03 -02	S4D 560-AF03 -02	—	—	—	—	—	—
"A"	A4D 560-AB03 -02	W4D 560-DF03 -02	—	—	—	—	—	—	—	—	—	—	—	—
"V"	A4D 560-AB01 -01	W4D 560-GB01 -01	S4D 560-CB01 -01	S4D 560-AB01 -01	—	—	S4D 560-BB01 -02	S4D 560-AB01 -02	—	—	—	—	W4D 560-IB01 -01	—
"A"	A4D 560-AB01 -02	W4D 560-DB01 -02	—	—	—	—	—	—	—	—	—	—	—	—
"V"	A6D 560-AG03 -01	W6D 560-GG03 -01	S6D 560-CG03 -01	S6D 560-AG03 -01	—	—	S6D 560-BG03 -02	S6D 560-AG03 -02	—	—	—	—	W6D 560-IG03 -01	—
"A"	A6D 560-AG03 -02	W6D 560-DG03 -02	—	—	—	—	—	—	—	—	—	—	—	—
"V"	A6D 560-AH03 -01	W6D 560-GH03 -01	S6D 560-CH03 -01	S6D 560-AH03 -01	—	—	—	—	—	—	—	—	—	—
"A"	A6D 560-AH03 -02	W6D 560-DH03 -02	—	—	—	—	S6D 560-BH03 -02	S6D 560-AH03 -02	—	—	—	—	—	—

Curves



	n	P ₁	I	L _{WA}
	[rpm]	[kW]	[A]	[dB(A)]
E 1	885	0.43	0.87	73
E 2	875	0.46	0.89	73
E 3	860	0.50	0.95	74
F 1	670	0.28	0.49	66
F 2	645	0.29	0.50	66
F 3	615	0.30	0.52	66
G 1	915	0.36	0.78	71
G 2	900	0.39	0.81	71
G 3	890	0.43	0.90	71
H 1	720	0.25	0.40	66
H 2	695	0.26	0.42	65
H 3	660	0.28	0.48	64

AC axial fans

S series, Ø 560

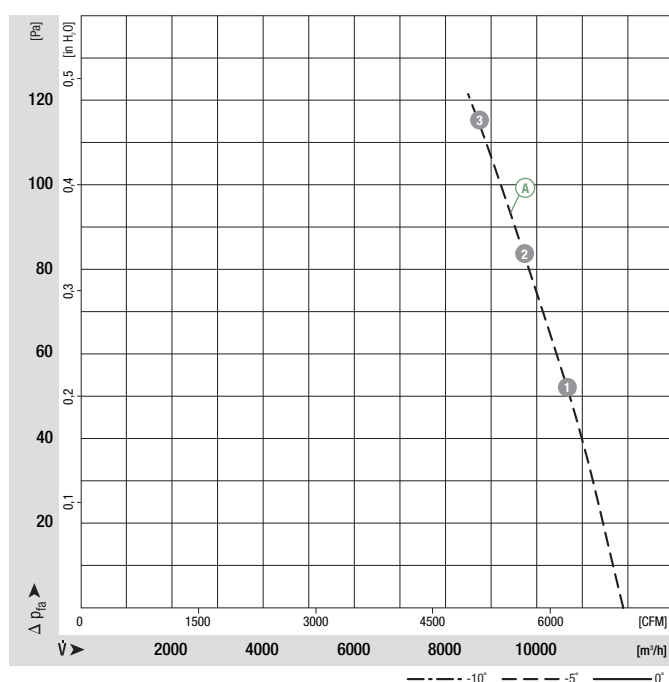


- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction 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.
*4E 560	M4E 110-IA	-5°	(A)	1~ 230	50	1300	1.05	4.60	20.0/400	110	-40 to +60	A2b)
*6E 560	M6E 110-GF	-5°	(B)	1~ 230	50	910	0.43	1.95	10.0/450	90	-40 to +70	A2b)

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

Curves

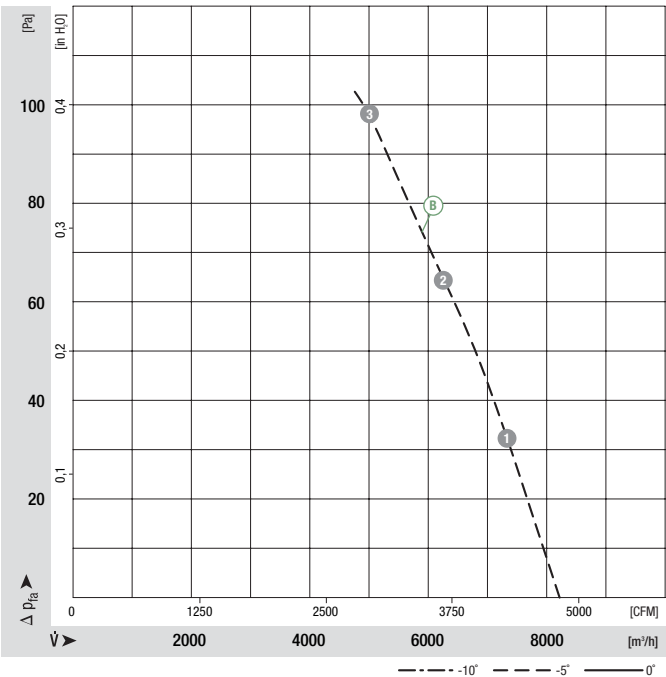


	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
(A) 1	1330	0.97	4.21	79
(A) 2	1310	1.01	4.39	79
(A) 3	1300	1.05	4.60	79

- **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"	A4E 560-AB01 -01	W4E 560-GB01 -01	S4E 560-CB01 -01	S4E 560-AB01 -01	—	—	W4E 560-IB01 -01	
"A"	A4E 560-AB01 -02	W4E 560-DB01 -02	—	—	S4E 560-BB01 -02	S4E 560-AB01 -02	—	
"V"	A6E 560-AE01 -01	W6E 560-GE01 -01	S6E 560-CE01 -01	S6E 560-AE01 -01	—	—	—	
"A"	A6E 560-AE01 -02	W6E 560-DE01 -02	—	—	S6E 560-BE01 -02	S6E 560-AE01 -02	—	

Curves



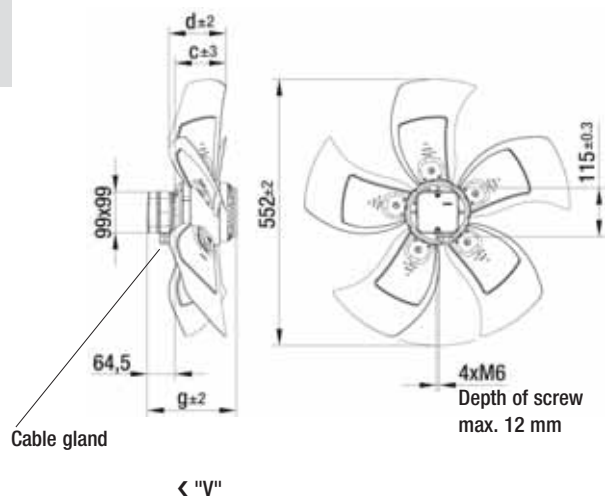
B 1	935	0.37	1.65	73
B 2	925	0.39	1.80	72
B 3	910	0.43	1.95	72

AC axial fans

S series, Ø 560, drawings for direction of air flow "V"



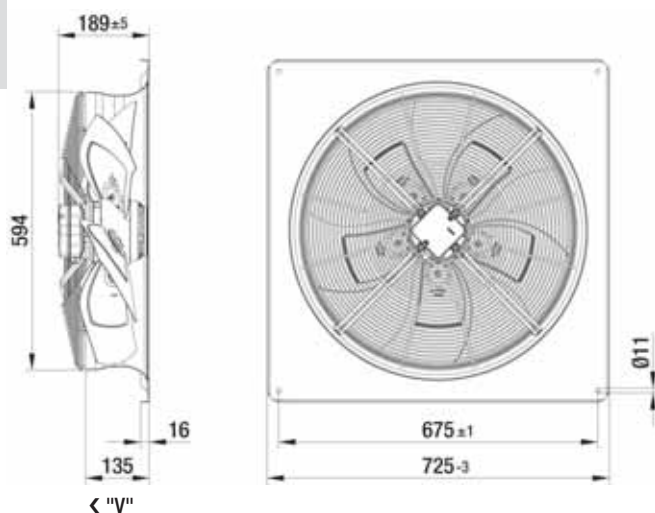
Without attachments



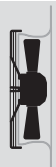
Type	Mass [kg]	c	d	g
A4D 560-AF03 -01	11.5	95.0	96.0	208.5
A4D 560-AB01 -01	13.5	105.0	113.0	223.5
A6D 560-AG03 -01	9.0	114.0	129.0	188.5
A6D 560-AH03 -01	9.0	105.0	113.0	188.5
A4E 560-AB01 -01	13.5	105.0	113.0	223.5
A6E 560-AE01 -01	11.5	105.0	113.0	208.5



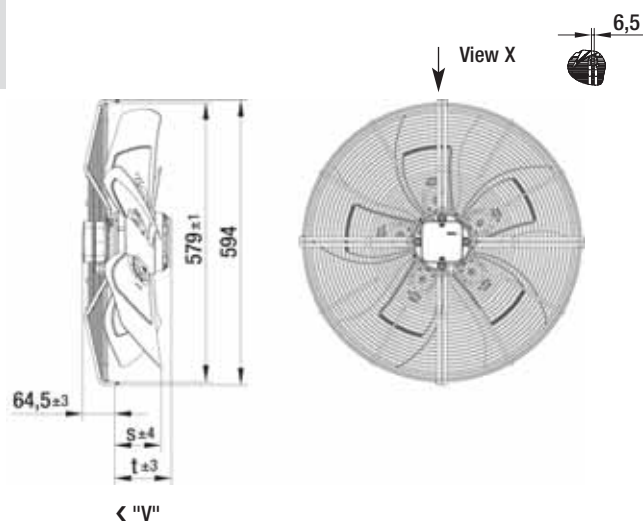
With full square nozzle



Type	Mass [kg]
W4D 560-GF03 -01	20.0
W4D 560-GB01 -01	21.5
W6D 560-GG03 -01	18.0
W6D 560-GH03 -01	18.0
W4E 560-GB01 -01	21.5
W6E 560-GE01 -01	20.0



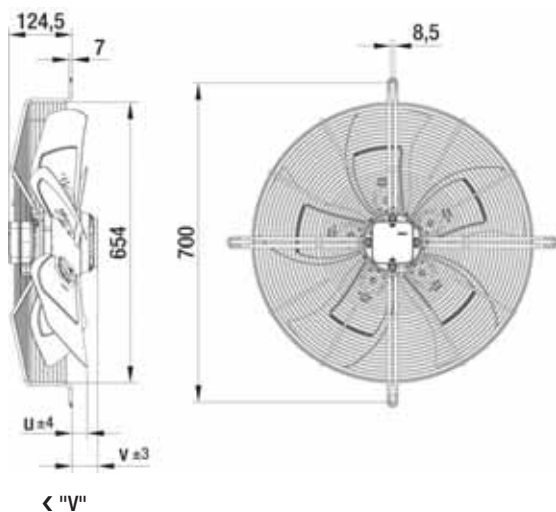
With guard grille for full nozzle



Type	Mass [kg]	s	t
S4D 560-CF03 -01	14.0	95.0	144.0
S4D 560-CB01 -01	15.5	105.0	159.0
S6D 560-CG03 -01	12.0	114.0	124.0
S6D 560-CH03 -01	12.0	105.0	124.0
S4E 560-CB01 -01	15.5	105.0	159.0
S6E 560-CE01 -01	14.0	105.0	144.0



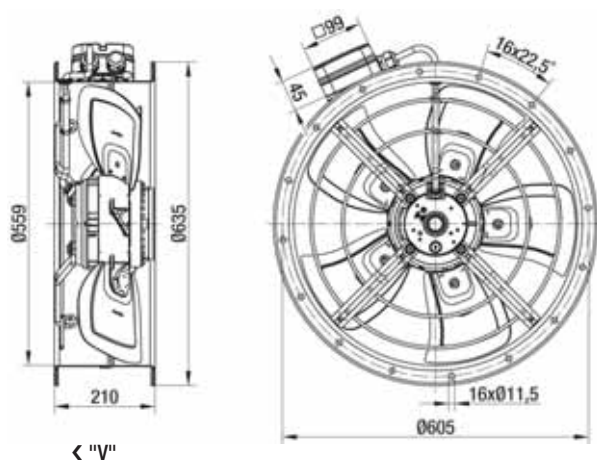
With guard grille for short nozzle



Type	Mass [kg]	u	v
S4D 560-AF03 -01	15.5	35.0	84.0
S4D 560-AB01 -01	17.0	45.0	99.0
S6D 560-AG03 -01	13.5	54.0	64.0
S6D 560-AH03 -01	13.5	45.0	64.0
S4E 560-AB01 -01	17.0	45.0	99.0
S6E 560-AE01 -01	15.5	45.0	84.0



In-line duct fan



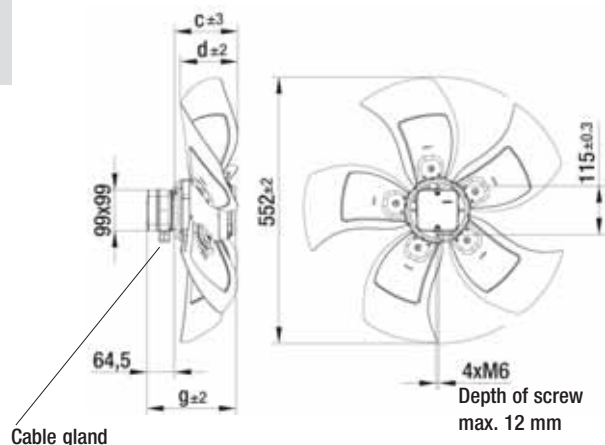
Type	Mass [kg]
W4D 560-IB01 -01	20.9
W6D 560-IG03 -01	16.4
W4E 560-IB01 -01	20.9

AC axial fans

S series, Ø 560, drawings for direction of air flow "A"



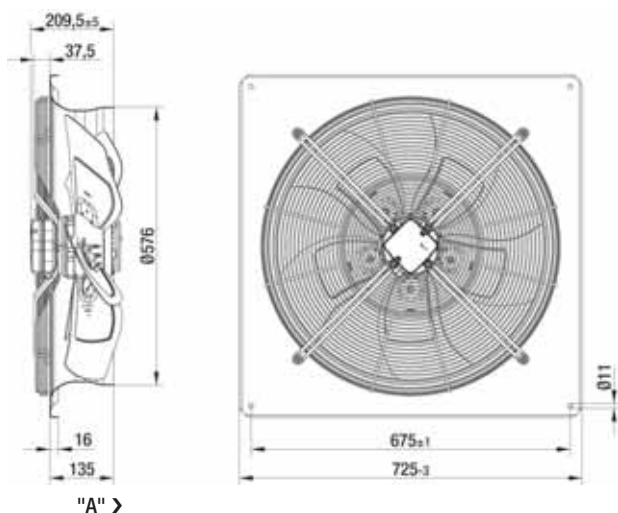
Without attachments



Type	Mass [kg]	c	d	g
A4D 560-AF03 -02	11.5	134.0	96.0	208.5
A4D 560-AB01 -02	13.5	142.0	113.0	223.5
A6D 560-AG03 -02	9.0	149.0	129.0	188.5
A6D 560-AH03 -02	9.0	142.0	113.0	188.5
A4E 560-AB01 -02	13.5	142.0	113.0	223.5
A6E 560-AE01 -02	11.5	142.0	113.0	208.5



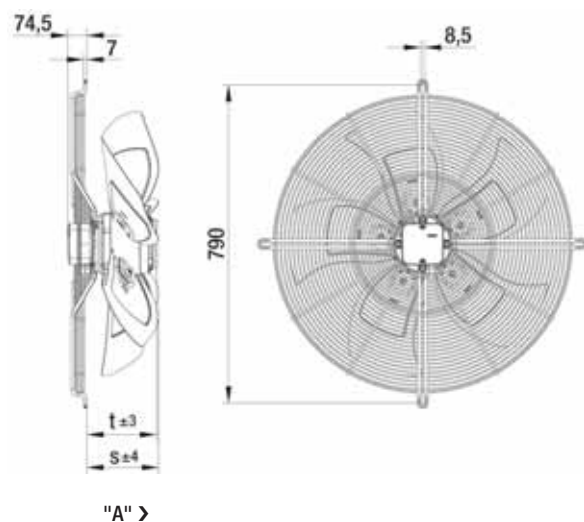
With full square nozzle



Type	Mass [kg]
W4D 560-DF03 -02	20.3
W4D 560-DB01 -02	21.8
W6D 560-DG03 -02	18.3
W6D 560-DH03 -02	18.3
W4E 560-DB01 -02	21.8
W6E 560-DE01 -02	20.3



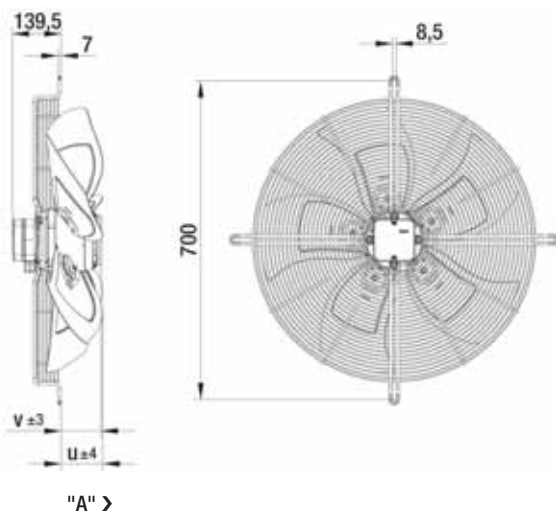
With guard grille for full nozzle



Type	Mass [kg]	s	t
S4D 560-BF03 -02	14.0	134.0	124.0
S4D 560-BB01 -02	15.5	149.0	132.0
S6D 560-BG03 -02	12.0	114.0	139.0
S6D 560-BH03 -02	12.0	114.0	132.0
S4E 560-BB01 -02	15.5	149.0	132.0
S6E 560-BE01 -02	14.0	134.0	132.0



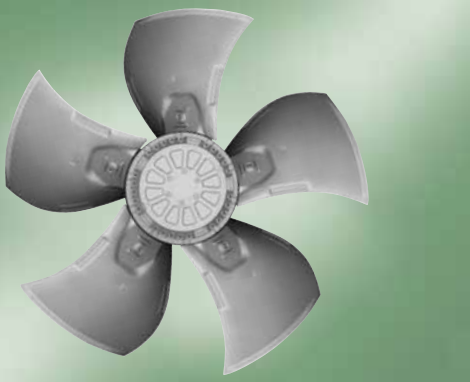
With guard grille for short nozzle



Type	Mass [kg]	u	v
S4D 560-AF03 -02	14.5	59.0	69.0
S4D 560-AB01 -02	16.0	67.0	84.0
S6D 560-AG03 -02	12.5	74.0	49.0
S6D 560-AH03 -02	12.5	67.0	49.0
S4E 560-AB01 -02	16.0	67.0	84.0
S6E 560-AE01 -02	14.5	67.0	69.0

AC axial fans

S series, Ø 630



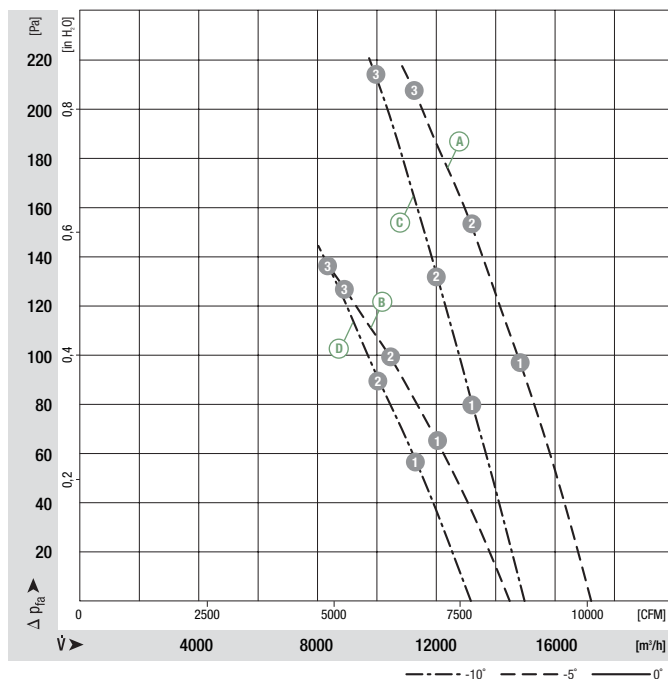
- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" clockwise, direction of air 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.
*4D 630	M4D 138-HF	-5°	(A)	3~ 400 Δ	50	1330	1.94	3.40	—	200	-40 to +65	F1b)/F2b)
			(B)	3~ 400 Y	50	1040	1.29	2.20	—	120	-40 to +65	
*4D 630	M4D 138-HF	-10°	(C)	3~ 400 Δ	50	1360	1.62	3.02	—	200	-40 to +65	F1b)/F2b)
			(D)	3~ 400 Y	50	1120	1.12	1.87	—	130	-40 to +65	
*4D 630	M4D 138-LA	0°	(E)	3~ 400 Δ	50	1340	2.53	4.95	—	240	-40 to +60	F1b)/F2b)
			(F)	3~ 400 Y	50	1045	1.64	2.88	—	145	-40 to +60	

subject to alterations

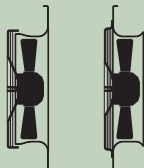
(1) Nominal data in operating point 3 with maximum load

Curves

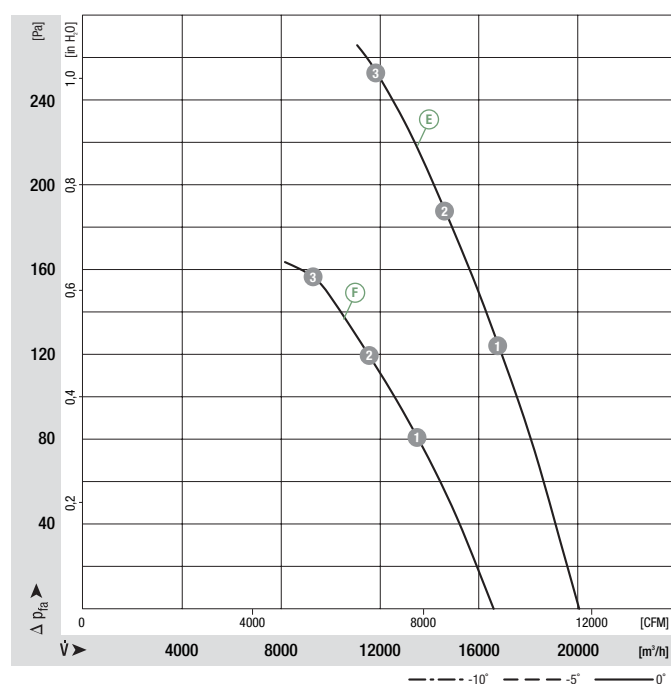


		n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A)	1	1350	1.66	3.03	79
(A)	2	1335	1.78	3.17	79
(A)	3	1330	1.94	3.40	81
(B)	1	1095	1.16	1.95	73
(B)	2	1065	1.22	2.04	73
(B)	3	1040	1.29	2.20	75
(C)	1	1390	1.29	2.58	80
(C)	2	1380	1.41	2.70	80
(C)	3	1360	1.62	3.02	83
(D)	1	1190	0.98	1.65	76
(D)	2	1160	1.04	1.75	75
(D)	3	1120	1.12	1.87	78

- **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"	A4D 630-AN01 -01	W4D 630-GN01 -01	S4D 630-CN01 -01	S4D 630-AN01 -01	—	—	W4D 630-IN01 -01
"A"	A4D 630-AN01 -02	W4D 630-DN01 -02	—	—	S4D 630-BN01 -02	—	—
"V"	A4D 630-A001 -01	W4D 630-G001 -01	S4D 630-C001 -01	S4D 630-A001 -01	—	—	—
"A"	A4D 630-A001 -02	W4D 630-D001 -02	—	—	S4D 630-B001 -02	—	—
"V"	A4D 630-AJ01 -01	W4D 630-GJ01 -01	S4D 630-CJ01 -01	S4D 630-AJ01 -01	—	—	—
"A"	A4D 630-AJ01 -02	W4D 630-DJ01 -02	—	—	S4D 630-BJ01 -02	—	—

Curves



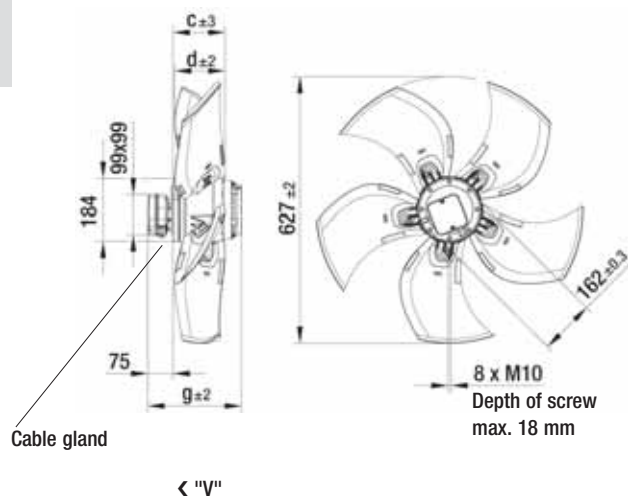
		n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
E	1	1355	2.28	4.43	78
E	2	1345	2.40	4.63	79
E	3	1340	2.53	4.95	81
F	1	1085	1.56	2.73	72
F	2	1065	1.61	2.82	73
F	3	1045	1.64	2.88	75

AC axial fans

S series, Ø 630, drawings for direction of air flow "V"



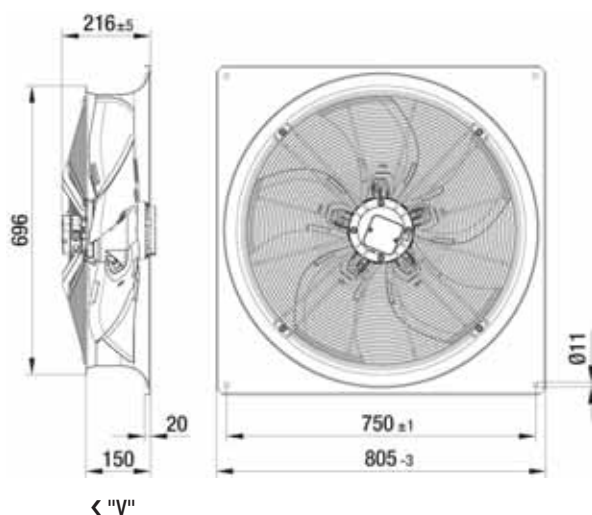
Without attachments



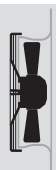
Type	Mass [kg]	c	d	g
A4D 630-AN01 -01	20.0	147.0	133.0	251.0
A4D 630-A001 -01	20.0	142.0	118.0	251.0
A4D 630-AJ01 -01	24.0	152.0	147.0	276.0



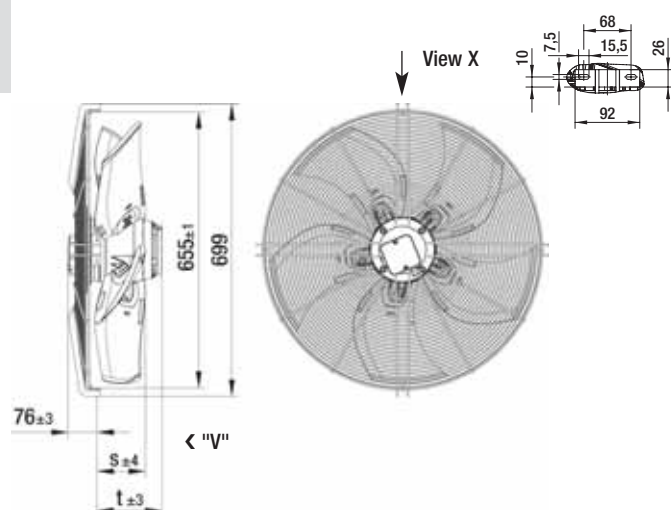
With full square nozzle



Type	Mass [kg]
W4D 630-GN01 -01	37.0
W4D 630-G001 -01	37.0
W4D 630-GJ01 -01	41.0



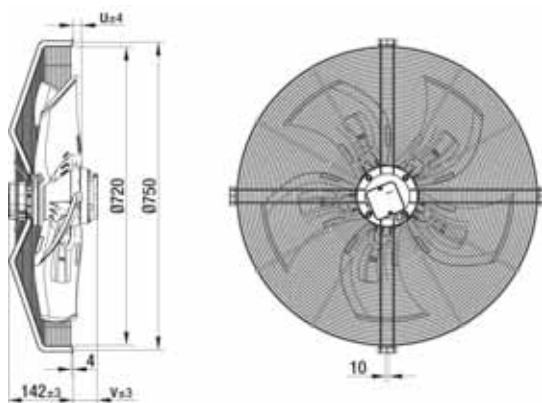
With guard grille for full nozzle



Type	Mass [kg]	s	t
S4D 630-CN01 -01	28.0	146.0	175.0
S4D 630-C001 -01	28.0	141.0	175.0
S4D 630-CJ01 -01	32.0	76.0	151.0



With guard grille for short nozzle

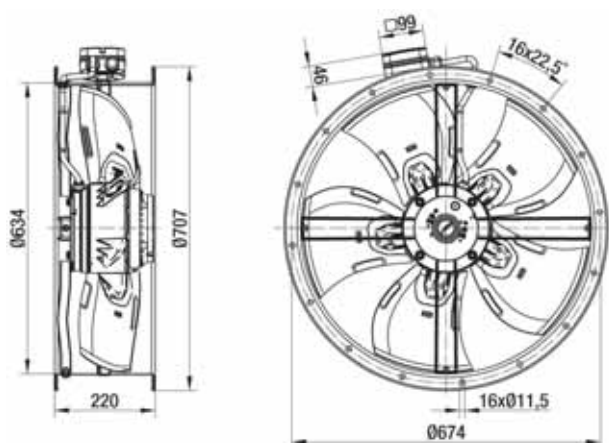


< "V"

Type	Mass [kg]	u	v
S4D 630-AN01 -01	29.5	80.0	109.0
S4D 630-A001 -01	29.5	75.0	109.0
S4D 630-AJ01 -01	33.5	85.0	134.0



In-line duct fan



< "V"

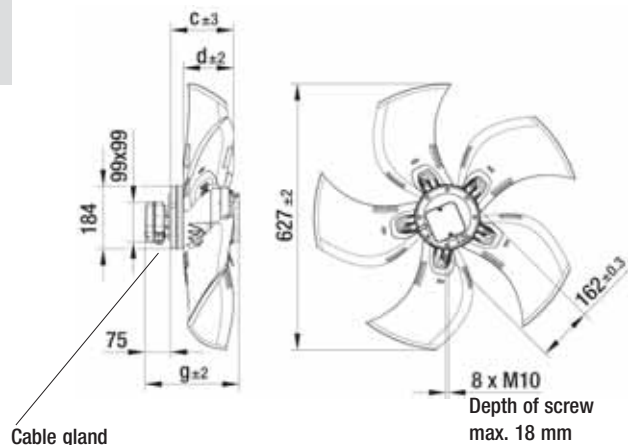
Type	Mass [kg]
W4D 630-IN01 -01	27.9

AC axial fans

S series, Ø 630, drawings for direction of air flow "A"



Without attachments

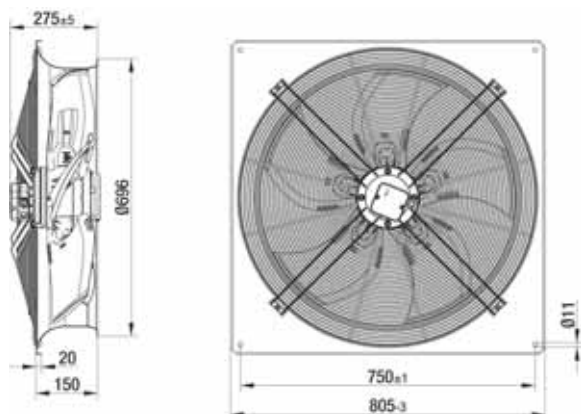


"A" >

Type	Mass [kg]	c	d	g
A4D 630-AN01 -02	20.0	175.0	133.0	251.0
A4D 630-A001 -02	20.0	165.0	118.0	251.0
A4D 630-AJ01 -02	24.0	185.0	147.0	276.0



With full square nozzle

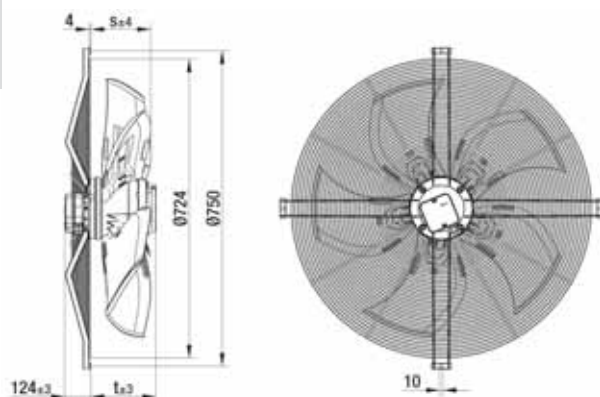


"A" >

Type	Mass [kg]
W4D 630-DN01 -02	38.0
W4D 630-DO01 -02	38.0
W4D 630-DJ01 -02	42.0



With guard grille for full nozzle



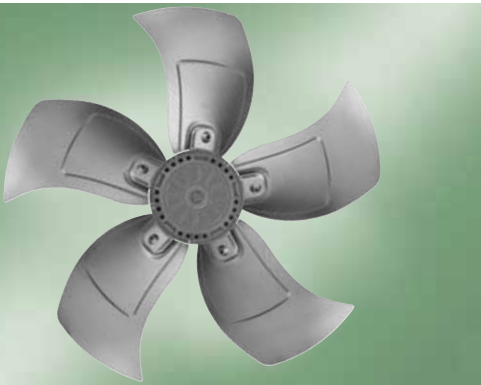
"A" >

Type	Mass [kg]	s	t
S4D 630-BN01 -02	29.0	126.0	127.0
S4D 630-BO01 -02	29.0	116.0	127.0
S4D 630-BJ01 -02	33.0	136.0	152.0

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

S series, Ø 630

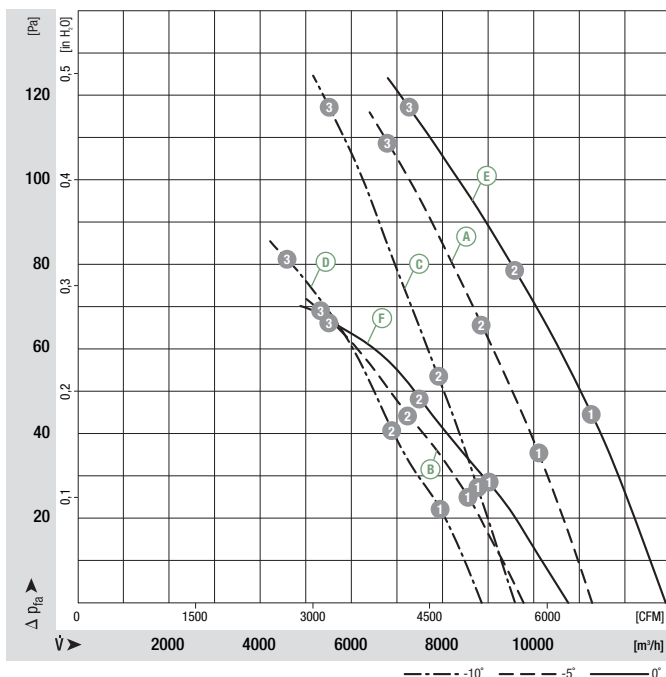


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" 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.
*6D 630	M6D 110-GF	-5°	(A) 3~	400 Δ	50	890	0.61	1.26	—	105	-40 to +60	F1b)/F2b)
			(B) 3~	400 Y	50	680	0.40	0.72	—	60	-40 to +60	
*6D 630	M6D 110-GF	-10°	(C) 3~	400 Δ	50	910	0.53	1.15	—	110	-40 to +70	F1b)/F2b)
			(D) 3~	400 Y	50	725	0.38	0.67	—	70	-40 to +70	
*6D 630	M6D 110-IA	0°	(E) 3~	400 Δ	50	885	0.83	1.68	—	120	-40 to +55	F1b)/F2b)
			(F) 3~	400 Y	50	655	0.53	0.95	—	68	-40 to +55	
*8D 630	M8D 110-GF	0°	(G) 3~	400 Δ	50	640	0.38	0.91	—	62	-40 to +65	F1b)/F2b)
			(H) 3~	400 Y	50	440	0.21	0.42	—	30	-40 to +65	
*8D 630	M8D 110-GF	-5°	(I) 3~	400 Δ	50	660	0.33	0.85	—	65	-40 to +75	F1b)/F2b)
			(J) 3~	400 Y	50	500	0.20	0.40	—	35	-40 to +75	

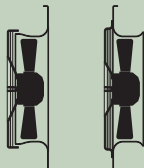
subject to alterations (1) Nominal data in operating point 3 with maximum load

Curves

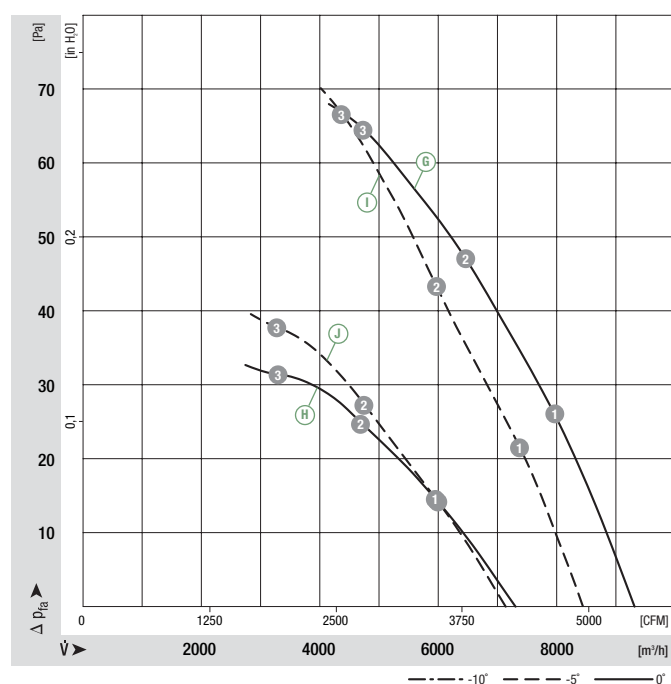


	n [rpm]	P ₁ [kW]	I [A]	L _{W,A} [dB(A)]
(A) 1	925	0.48	1.12	75
(A) 2	915	0.52	1.16	75
(A) 3	890	0.61	1.26	76
(B) 1	770	0.35	0.63	72
(B) 2	745	0.37	0.66	71
(B) 3	680	0.40	0.72	71
(C) 1	940	0.41	1.04	75
(C) 2	930	0.45	1.06	75
(C) 3	910	0.53	1.15	78
(D) 1	825	0.29	0.52	73
(D) 2	805	0.31	0.55	72
(D) 3	725	0.38	0.67	74
(E) 1	915	0.67	1.48	75
(E) 2	905	0.72	1.54	76
(E) 3	885	0.83	1.68	76
(F) 1	735	0.47	0.83	71
(F) 2	710	0.49	0.86	71
(F) 3	655	0.53	0.95	70

- **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"	A6D 630-AE01 -01	W6D 630-GE01 -01	S6D 630-CE01 -01	S6D 630-AE01 -01	—	—	—
"A"	A6D 630-AE01 -02	W6D 630-DE01 -02	—	—	S6D 630-BE01 -02	S6D 630-AE01 -02	—
"V"	A6D 630-AF01 -01	W6D 630-GF01 -01	S6D 630-CF01 -01	S6D 630-AF01 -01	—	—	—
"A"	A6D 630-AF01 -02	W6D 630-DF01 -02	—	—	S6D 630-BF01 -02	S6D 630-AF01 -02	—
"V"	A6D 630-AA01 -01	W6D 630-GA01 -01	S6D 630-CA01 -01	S6D 630-AA01 -01	—	—	W6D 630-IA01 -01
"A"	A6D 630-AA01 -02	W6D 630-DA01 -02	—	—	S6D 630-BA01 -02	S6D 630-AA01 -02	—
"V"	A8D 630-AD01 -01	W8D 630-GD01 -01	S8D 630-CD01 -01	S8D 630-AD01 -01	—	—	—
"A"	A8D 630-AD01 -02	W8D 630-DD01 -02	—	—	S8D 630-BD01 -02	S8D 630-AD01 -02	—
"V"	A8D 630-AE01 -01	W8D 630-GE01 -01	S8D 630-CE01 -01	S8D 630-AE01 -01	—	—	—
"A"	A8D 630-AE01 -02	W8D 630-DE01 -02	—	—	S8D 630-BE01 -02	S8D 630-AE01 -02	—

Curves



	n	P ₁	I	L _{WA}
	[rpm]	[kW]	[A]	[dB(A)]
Ⓔ 1	660	0.33	0.84	69
Ⓔ 2	655	0.35	0.85	69
Ⓔ 3	640	0.38	0.91	69
Ⓗ 1	495	0.19	0.40	63
Ⓗ 2	475	0.20	0.41	62
Ⓗ 3	440	0.21	0.42	61
Ⓘ 1	680	0.28	0.81	69
Ⓘ 2	675	0.30	0.82	70
Ⓘ 3	660	0.33	0.85	71
Ⓙ 1	555	0.17	0.36	71
Ⓙ 2	535	0.18	0.38	71
Ⓙ 3	500	0.20	0.40	71

AC axial fans

S series, Ø 630

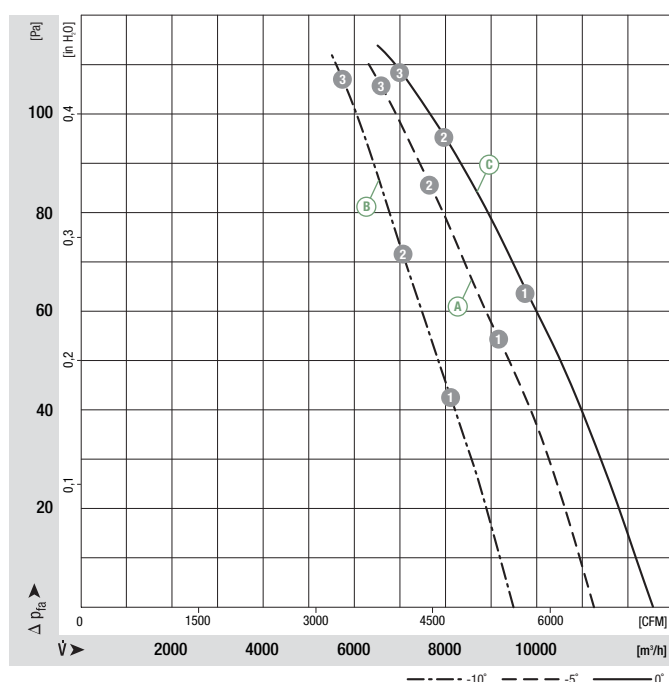


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" 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.	Elect. connection
Type	Motor			VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 416 f.
*6E 630	M6E 110-GF	-5°	(A)	1~ 230	50	880	0.61	2.65	14.0/450	100	-40 to +60	A2b)
*6E 630	M6E 110-GF	-10°	(B)	1~ 230	50	905	0.49	2.15	12.0/450	100	-40 to +70	A2b)
*6E 630	M6E 110-IA	0°	(C)	1~ 230	50	860	0.76	3.35	16.0/450	100	-40 to +50	A2b)
*8E 630	M8E 110-GF	-5°	(D)	1~ 230	50	655	0.35	1.79	7.0/450	60	-40 to +60	A2b)

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

Curves

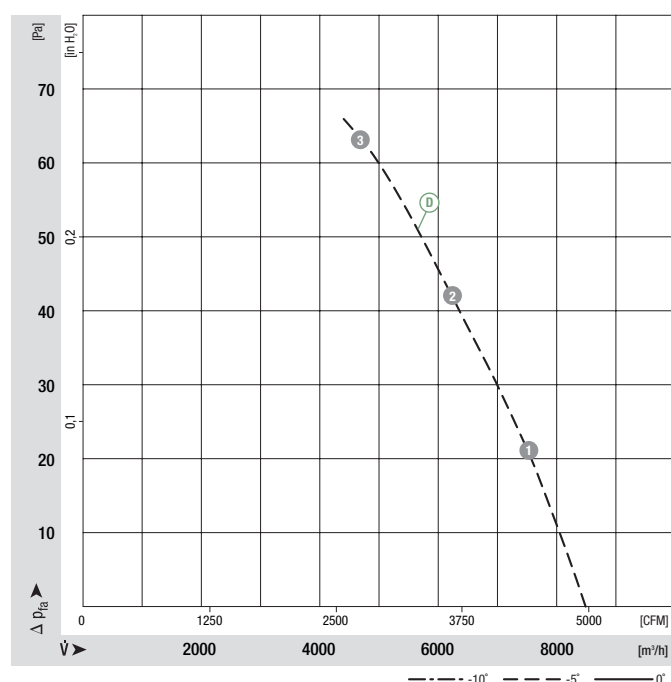


	n	P ₁	I	L _{wA}
	[rpm]	[kW]	[A]	[dB(A)]
(A) 1	905	0.55	2.41	75
(A) 2	895	0.58	2.51	75
(A) 3	880	0.61	2.65	76
(B) 1	925	0.43	1.89	75
(B) 2	920	0.45	1.99	76
(B) 3	905	0.49	2.15	78
(C) 1	890	0.71	3.11	76
(C) 2	875	0.73	3.23	76
(C) 3	860	0.76	3.35	76

- **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 630-AE01 -01	W6E 630-GE01 -01	S6E 630-CE01 -01	S6E 630-AE01 -01	—	—	—
"A"	A6E 630-AE01 -02	W6E 630-DE01 -02	—	—	S6E 630-BE01 -02	S6E 630-AE01 -02	—
"V"	A6E 630-AF01 -01	W6E 630-GF01 -01	S6E 630-CF01 -01	S6E 630-AF01 -01	—	—	—
"A"	A6E 630-AF01 -02	W6E 630-DF01 -02	—	—	S6E 630-BF01 -02	S6E 630-AF01 -02	—
"V"	A6E 630-AA03 -01	W6E 630-GA03 -01	S6E 630-CA03 -01	S6E 630-AA03 -01	—	—	W6E 630-IA03 -01
"A"	A6E 630-AA03 -02	W6E 630-DA03 -02	—	—	S6E 630-BA03 -02	S6E 630-AA03 -02	—
"V"	A8E 630-AE01 -01	W8E 630-GE01 -01	S8E 630-CE01 -01	S8E 630-AE01 -01	—	—	—
"A"	A8E 630-AE01 -02	W8E 630-DE01 -02	—	—	S8E 630-BE01 -02	S8E 630-AE01 -02	—

Curves

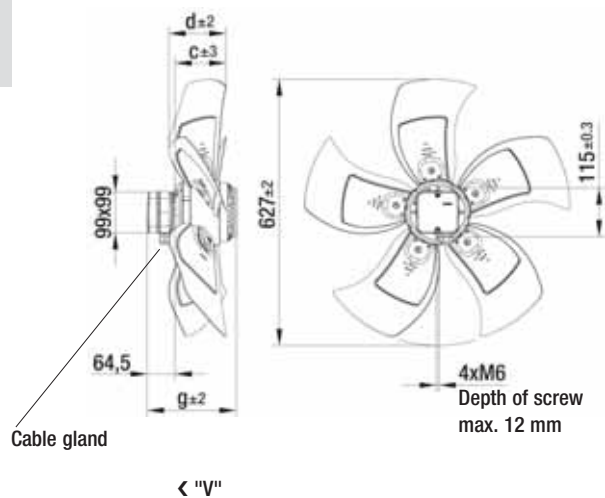


AC axial fans

S series, Ø 630, drawings for direction of air flow "V"



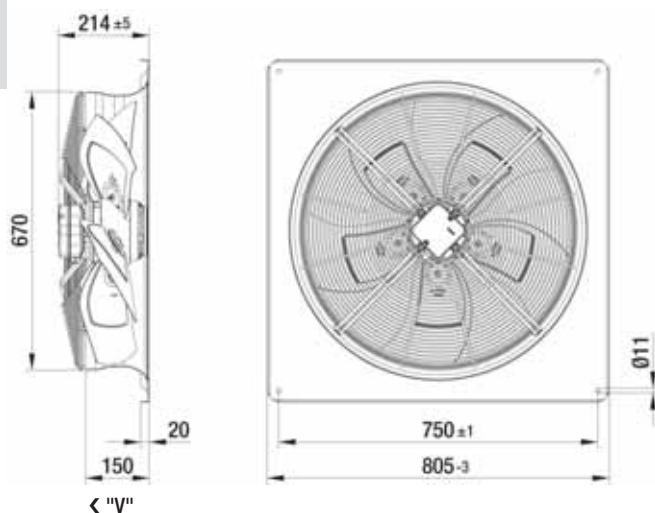
Without attachments



Type	Mass [kg]	c	d	g
A6D 630-AE01 -01	12.5	108.0	116.0	208.5
A6D 630-AF01 -01	12.5	96.0	96.0	208.5
A6D 630-AA01 -01	14.0	120.0	135.0	223.5
A8D 630-AD01 -01	12.5	120.0	135.0	208.5
A8D 630-AE01 -01	12.5	108.0	116.0	208.5
A6E 630-AE01 -01	12.5	108.0	116.0	208.5
A6E 630-AF01 -01	12.5	96.0	96.0	208.5
A6E 630-AA03 -01	14.0	120.0	135.0	223.5
A8E 630-AE01 -01	12.5	108.0	116.0	208.5



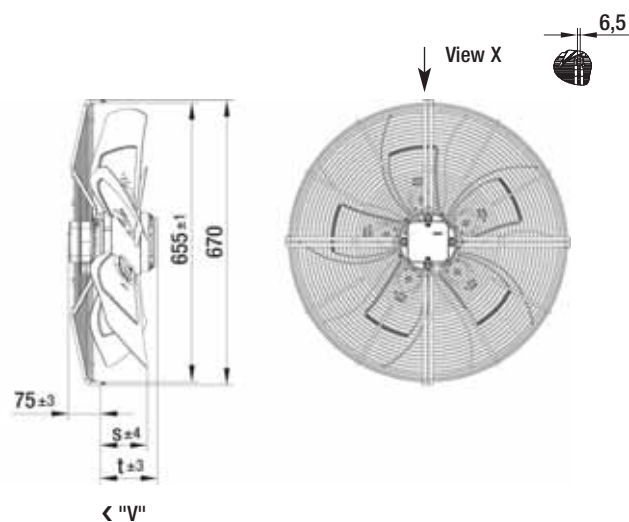
With full square nozzle



Type	Mass [kg]
W6D 630-GE01 -01	20.5
W6D 630-GF01 -01	20.5
W6D 630-GA01 -01	23.0
W8D 630-GD01 -01	20.5
W8D 630-GE01 -01	20.5
W6E 630-GE01 -01	20.5
W6E 630-GF01 -01	20.5
W6E 630-GA03 -01	23.0
W8E 630-GE01 -01	20.5



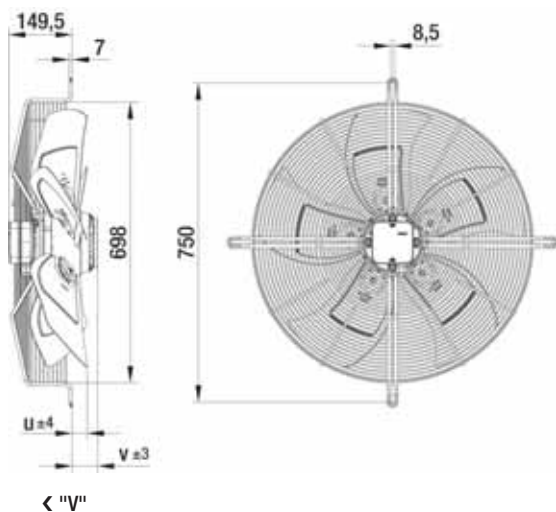
With guard grille for full nozzle



Type	Mass [kg]	s	t
S6D 630-CE01 -01	14.5	97.5	111.5
S6D 630-CF01 -01	14.5	85.5	111.5
S6D 630-CA01 -01	17.0	109.5	126.5
S8D 630-CD01 -01	14.5	109.5	133.5
S8D 630-CE01 -01	14.5	97.5	111.5
S6E 630-CE01 -01	14.5	97.5	133.5
S6E 630-CF01 -01	14.5	85.5	111.5
S6E 630-CA03 -01	17.0	109.5	148.5
S8E 630-CE01 -01	14.5	97.5	133.5



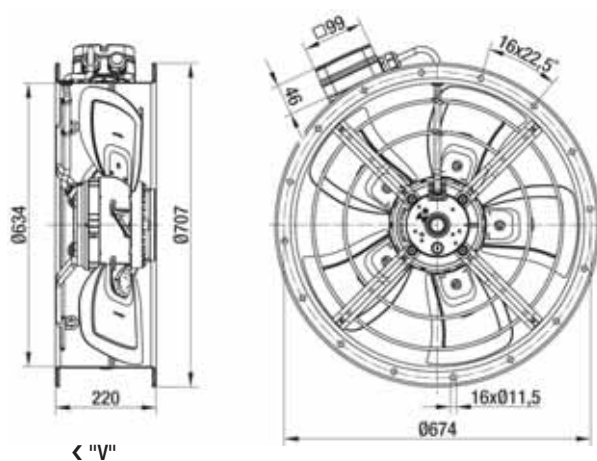
With guard grille for short nozzle



Type	Mass [kg]	u	v
S6D 630-AE01 -01	16.0	23.0	59.0
S6D 630-AF01 -01	16.0	11.0	59.0
S6D 630-AA01 -01	18.5	35.0	74.0
S8D 630-AD01 -01	16.0	35.0	59.0
S8D 630-AE01 -01	16.0	23.0	59.0
S6E 630-AE01 -01	16.0	23.0	59.0
S6E 630-AF01 -01	16.0	11.0	59.0
S6E 630-AA03 -01	18.5	35.0	74.0
S8E 630-AE01 -01	16.0	23.0	59.0



In-line duct fan



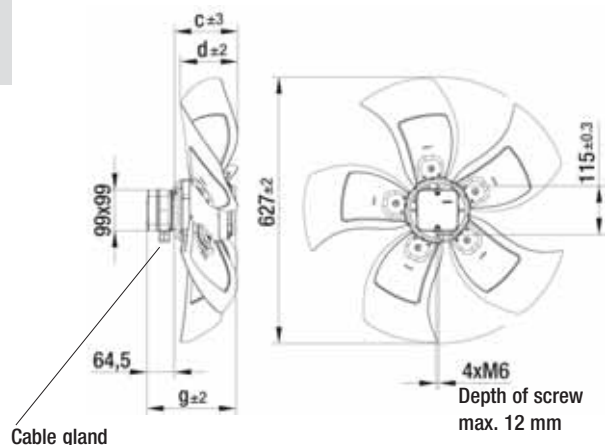
Type	Mass [kg]
W6D 630-IA01 -01	21.4
W6E 630-IA03 -01	21.4

AC axial fans

S series, Ø 630, drawings for direction of air flow "A"



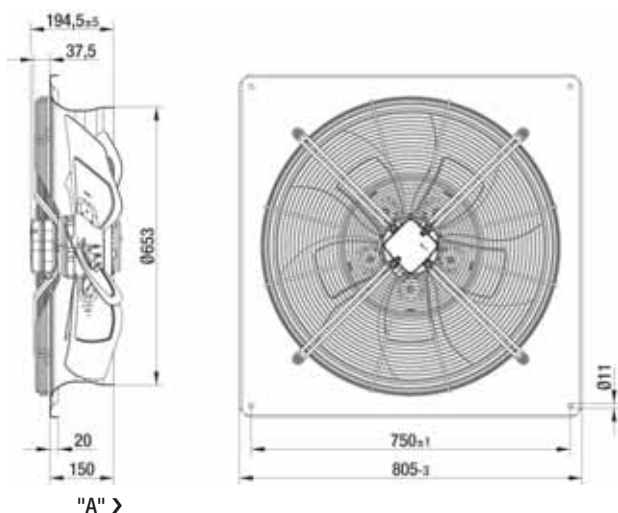
Without attachments



Type	Mass [kg]	c	d	g
A6D 630-AE01 -02	12.5	142.0	116.0	208.5
A6D 630-AF01 -02	12.5	134.0	96.0	208.5
A6D 630-AA01 -02	14.0	149.0	135.0	223.5
A8D 630-AD01 -02	12.5	149.0	135.0	208.5
A8D 630-AE01 -02	12.5	142.0	116.0	208.5
A6E 630-AE01 -02	12.5	142.0	116.0	208.5
A6E 630-AF01 -02	12.5	134.0	96.0	208.5
A6E 630-AA03 -02	14.0	149.0	135.0	223.5
A8E 630-AE01 -02	12.5	142.0	116.0	208.5



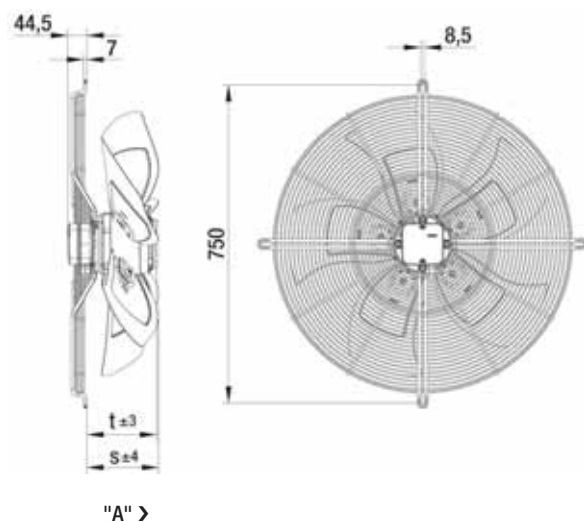
With full square nozzle



Type	Mass [kg]
W6D 630-DE01 -02	21.0
W6D 630-DF01 -02	21.0
W6D 630-DA01 -02	23.5
W8D 630-DD01 -02	21.0
W8D 630-DE01 -02	21.0
W6E 630-DE01 -02	21.0
W6E 630-DF01 -02	21.0
W6E 630-DA03 -02	23.5
W8E 630-DE01 -02	21.0



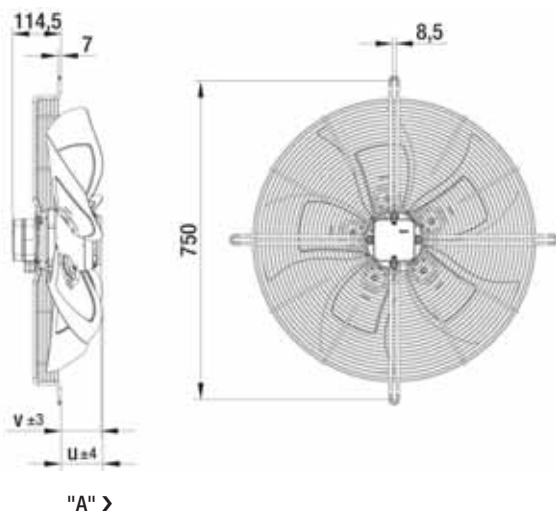
With guard grille for full nozzle



Type	Mass [kg]	s	t
S6D 630-BE01 -02	14.5	164.0	162.0
S6D 630-BF01 -02	14.5	164.0	154.0
S6D 630-BA01 -02	17.0	179.0	169.0
S8D 630-BD01 -02	14.5	164.0	169.0
S8D 630-BE01 -02	14.5	164.0	162.0
S6E 630-BE01 -02	14.5	164.0	162.0
S6E 630-BF01 -02	14.5	164.0	154.0
S6E 630-BA03 -02	17.0	179.0	169.0
S8E 630-BE01 -02	14.5	164.0	162.0



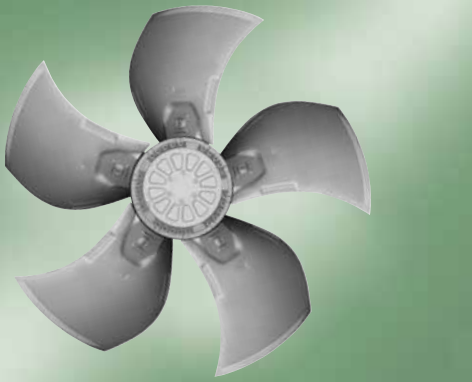
With guard grille for short nozzle



Type	Mass [kg]	u	v
S6D 630-AE01 -02	15.0	92.0	94.0
S6D 630-AF01 -02	15.0	84.0	94.0
S6D 630-AA01 -02	17.5	99.0	109.0
S8D 630-AD01 -02	15.0	99.0	94.0
S8D 630-AE01 -02	15.0	92.0	94.0
S6E 630-AE01 -02	15.0	92.0	94.0
S6E 630-AF01 -02	15.0	84.0	94.0
S6E 630-AA03 -02	17.5	99.0	109.0
S8E 630-AE01 -02	15.0	92.0	94.0

AC axial fans

S series, Ø 710



- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" 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

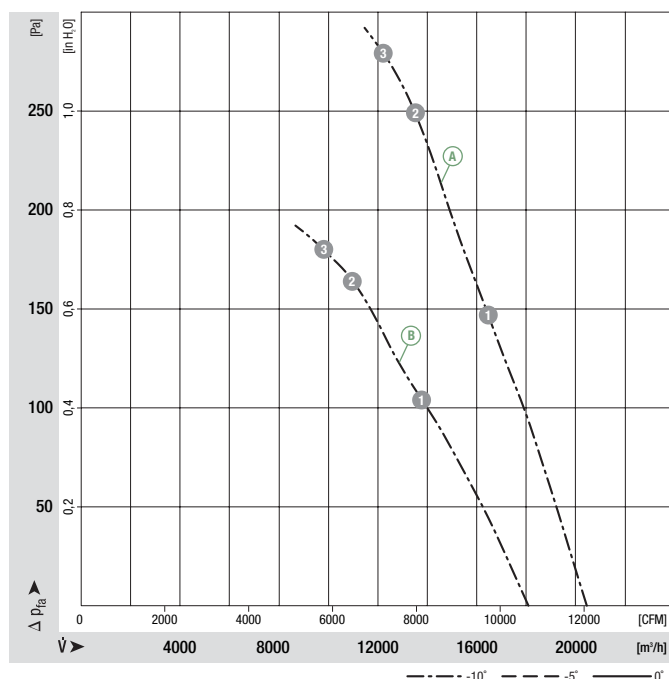
Nominal data

Type	Motor	Blade angle	Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Elect. connection
				VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 416 f.
*4D 710	M4D 138-LA	-10°	(A)	3~ 400 Δ	50	1350	2.32	4.65	—	280	-40 to +70	F1b)/F2b)
			(B)	3~ 400 Y	50	1090	1.59	2.78	—	180	-40 to +70	
*6D 710	M6D 138-HF	-5°	(C)	3~ 400 Δ	50	910	1.01	2.40	—	130	-40 to +80	F1b)/F2b)
			(D)	3~ 400 Y	50	750	0.70	1.33	—	87	-40 to +80	

subject to alterations

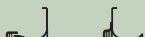
(1) Nominal data in operating point ③ with maximum load

Curves

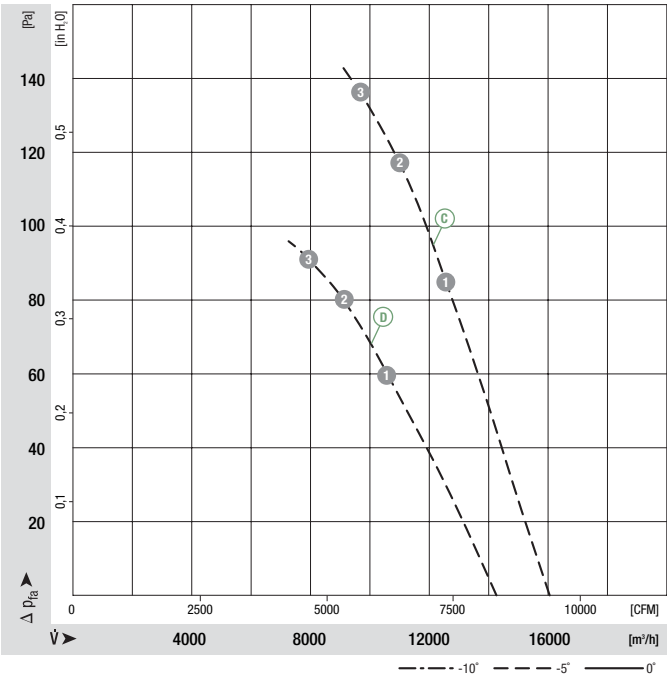


		n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A)	①	1380	1.96	4.13	82
(A)	②	1360	2.21	4.49	86
(A)	③	1350	2.32	4.65	87
(B)	①	1160	1.43	2.50	78
(B)	②	1110	1.55	2.70	80
(B)	③	1090	1.59	2.78	81

- **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"	A4D 710-AL01 -01	W4D 710-GL01 -01	S4D 710-CL01 -01	S4D 710-AL01 -01	—	—	W4D 710-IL01 -01
"A"	A4D 710-AL01 -02	W4D 710-DL01 -02	—	—	S4D 710-BL01 -02	—	—
"V"	A6D 710-AN01 -01	W6D 710-GN01 -01	S6D 710-CN01 -01	S6D 710-AN01 -01	—	—	W6D 710-IN01 -01
"A"	A6D 710-AN01 -02	W6D 710-DN01 -02	—	—	S6D 710-BN01 -02	—	—

Curves



		n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
Ⓒ	1	925	0.91	2.32	72
Ⓒ	2	920	0.97	2.38	75
Ⓒ	3	910	1.01	2.40	77
Ⓓ	1	780	0.65	1.22	69
Ⓓ	2	765	0.68	1.27	71
Ⓓ	3	750	0.70	1.33	72

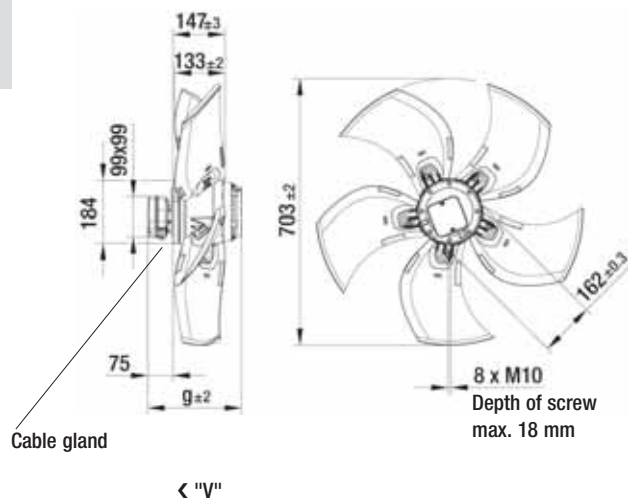
AC axial fans

S series, Ø 710, drawings for direction of air flow "V"



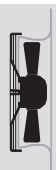
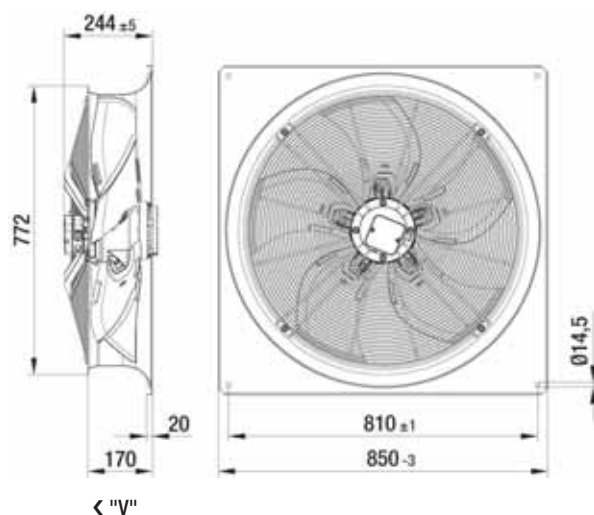
Without attachments

Type	Mass [kg]	g
A4D 710-AL01 -01	25.0	276.0
A6D 710-AN01 -01	21.0	251.0



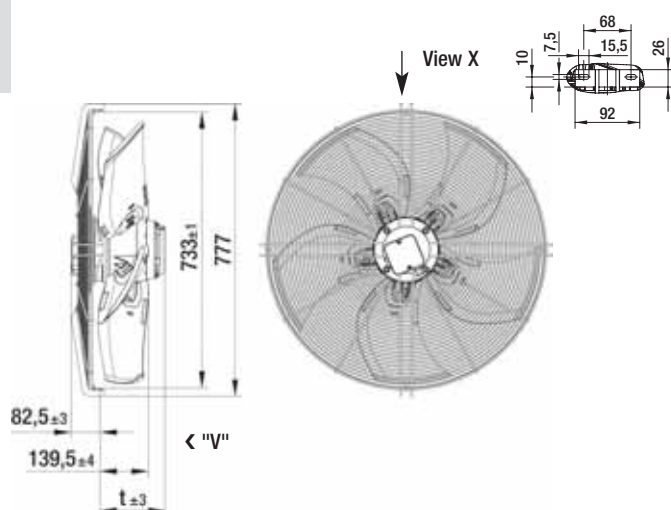
With full square nozzle

Type	Mass [kg]
W4D 710-GL01 -01	43.0
W6D 710-GN01 -01	39.0



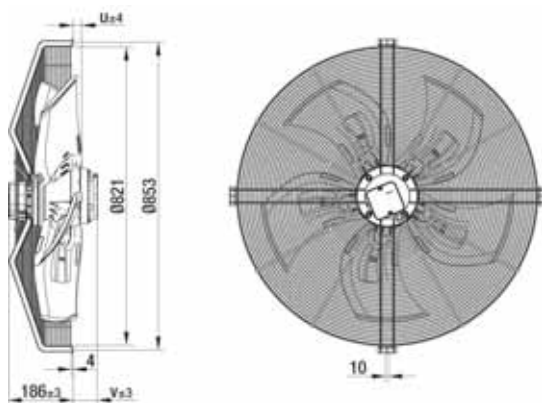
With guard grille for full nozzle

Type	Mass [kg]	t
S4D 710-CL01 -01	34.0	193.5
S6D 710-CN01 -01	30.0	168.5





With guard grille for short nozzle

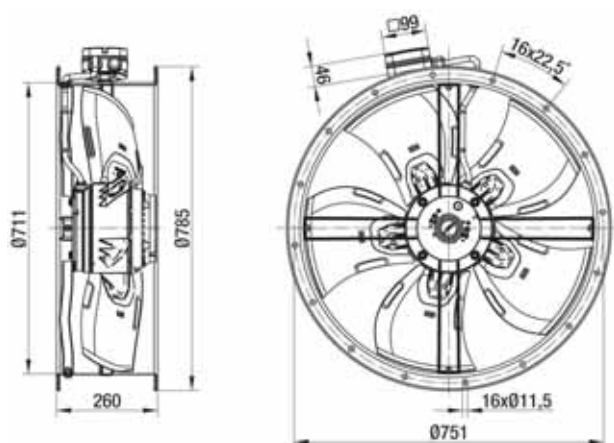


◁ "V"

Type	Mass [kg]	u	v
S4D 710-AL01 -01	35.5	31.0	90.0
S6D 710-AN01 -01	31.5	27.0	65.0



In-line duct fan



◁ "V"

Type	Mass [kg]
W4D 710-IL01 -01	40.0
W6D 710-IN01 -01	36.0

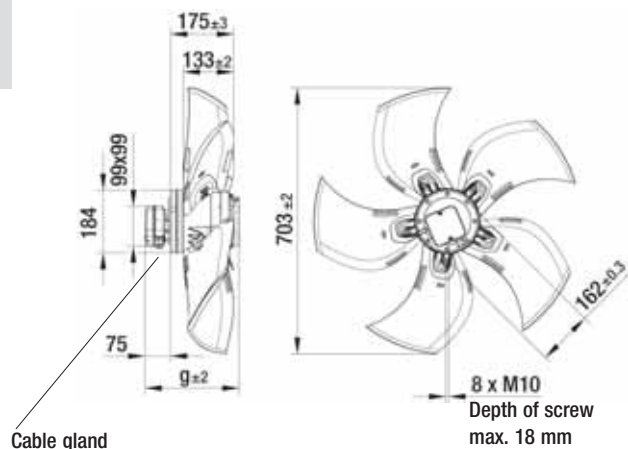
AC axial fans

S series, Ø 710, drawings for direction of air flow "A"



Without attachments

Type	Mass [kg]		g
A4D 710-AL01 -02	25.0	276.0	
A6D 710-AN01 -02	21.0	251.0	

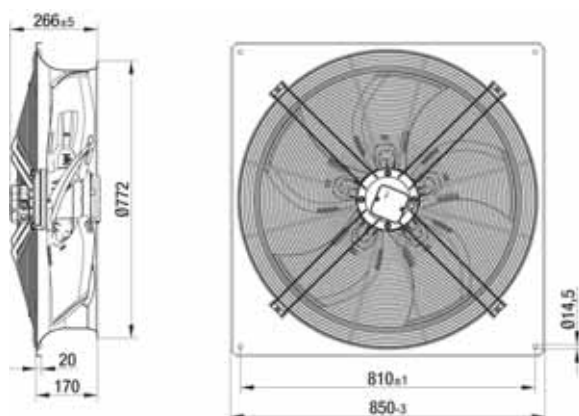


"A" >



With full square nozzle

Type	Mass [kg]	
W4D 710-DL01 -02	44.0	
W6D 710-DN01 -02	40.0	

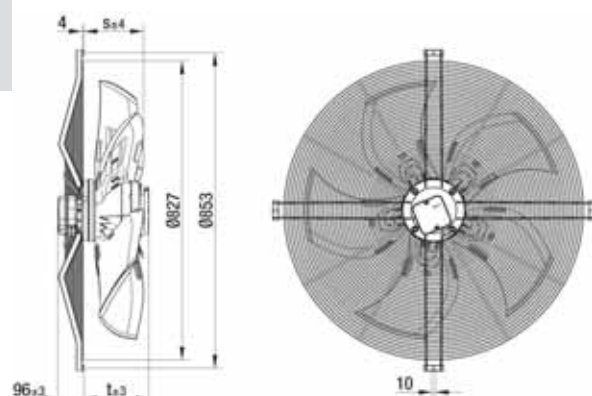


"A" >



With guard grille for full nozzle

Type	Mass [kg]	s	t
S4D 710-BL01 -02	35.0	144.0	160.0
S6D 710-BN01 -02	32.0	154.0	155.0

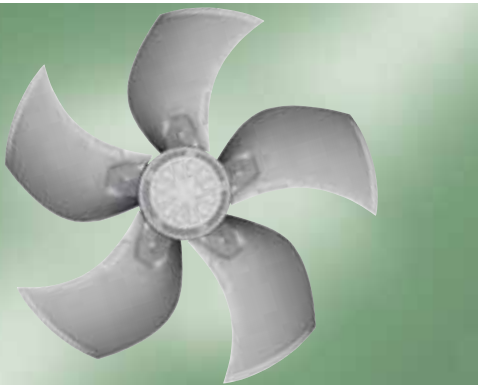


"A" >

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

S series, Ø 800

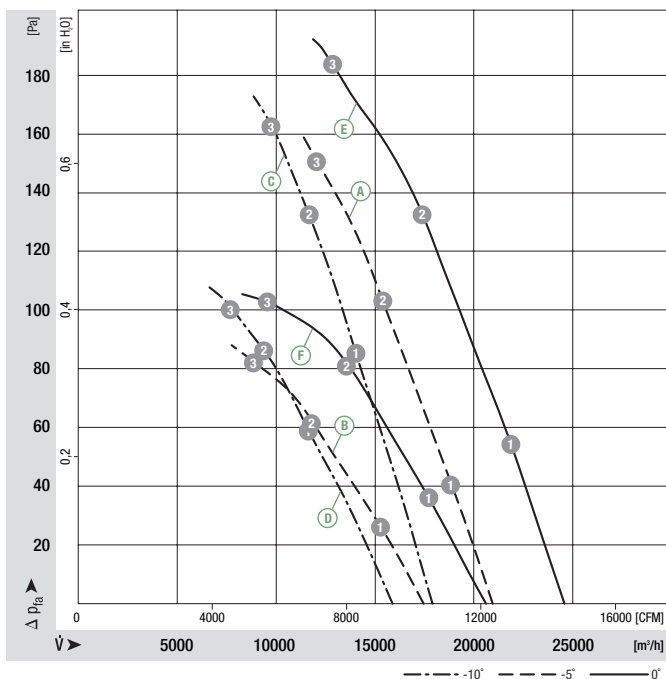


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" clockwise, direction of air 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.
*6D 800	M6D 138-HF	-5°	(A) 3~	400 Δ	50	870	1.45	3.20	—	150	-40 to +60	F1b)/F2b)
			(B) 3~	400 Y	50	610	0.81	1.64	—	75	-40 to +60	
*6D 800	M6D 138-HF	-10°	(C) 3~	400 Δ	50	895	1.14	2.45	—	160	-40 to +75	F1b)/F2b)
			(D) 3~	400 Y	50	710	0.75	1.45	—	98	-40 to +75	
*6D 800	M6D 138-LA	0°	(E) 3~	400 Δ	50	895	2.00	4.30	—	180	-40 to +60	F1b)/F2b)
			(F) 3~	400 Y	50	685	1.27	2.50	—	100	-40 to +60	
*6D 800	M6D 138-NA	+5°	(G) 3~	400 Δ	50	910	2.18	5.17	—	120	-40 to +55	F1b)/F2b)
			(H) 3~	400 Y	50	730	1.47	2.80	—	75	-40 to +55	
*6D 800	M6D 138-NA	0°	(I) 3~	400 Δ	50	915	2.08	4.62	—	180	-40 to +60	F1b)/F2b)
			(J) 3~	400 Y	50	740	1.43	2.66	—	118	-40 to +60	

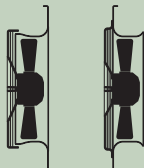
subject to alterations (1) Nominal data in operating point 3 with maximum load

Curves

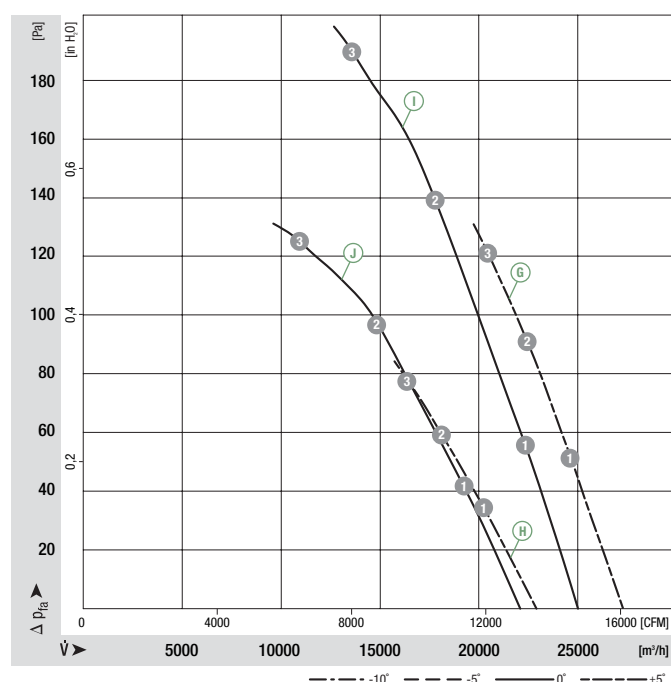


		n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A)	1	910	1.07	2.50	72
(A)	2	890	1.23	2.69	72
(A)	3	870	1.45	3.20	74
(B)	1	745	0.72	1.35	68
(B)	2	690	0.79	1.49	66
(B)	3	610	0.81	1.64	67
(C)	1	920	0.94	2.29	74
(C)	2	910	1.04	2.40	75
(C)	3	895	1.14	2.45	78
(D)	1	770	0.66	1.24	70
(D)	2	735	0.71	1.34	70
(D)	3	710	0.75	1.45	71
(E)	1	915	1.55	3.48	71
(E)	2	900	1.75	3.72	72
(E)	3	895	2.00	4.30	78
(F)	1	750	1.08	2.02	68
(F)	2	705	1.16	2.17	67
(F)	3	685	1.27	2.50	72

- **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"	A6D 800-AN01 -01	W6D 800-GN01 -01	S6D 800-CN01 -01	S6D 800-AN01 -01	—	—	—
"A"	A6D 800-AN01 -02	W6D 800-DN01 -02	—	—	S6D 800-BN01 -02	—	—
"V"	A6D 800-AO01 -01	W6D 800-GO01 -01	S6D 800-CO01 -01	S6D 800-AO01 -01	—	—	—
"A"	A6D 800-AO01 -02	W6D 800-DO01 -02	—	—	S6D 800-BO01 -02	—	—
"V"	A6D 800-AJ01 -01	W6D 800-GJ01 -01	S6D 800-CJ01 -01	S6D 800-AJ01 -01	—	—	W6D 800-IJ01 -01
"A"	A6D 800-AJ01 -02	W6D 800-DJ01 -02	—	—	S6D 800-BJ01 -02	—	—
"V"	A6D 800-AS01 -01	W6D 800-GS01 -01	S6D 800-CS01 -01	S6D 800-AS01 -01	—	—	—
"A"	A6D 800-AS01 -02	W6D 800-DS01 -02	—	—	S6D 800-BS01 -02	—	—
"V"	A6D 800-AP01 -01	W6D 800-GP01 -01	S6D 800-CP01 -01	S6D 800-AP01 -01	—	—	—
"A"	A6D 800-AP01 -02	W6D 800-DP01 -02	—	—	S6D 800-BP01 -02	—	—

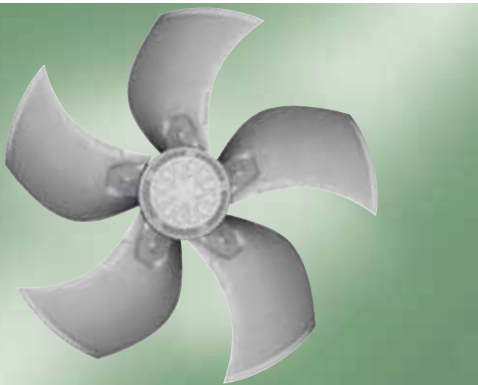
Curves



		n [rpm]	P ₁ [kW]	I [A]	L _{WA} [dB(A)]
G	1	920	2.01	4.99	74
G	2	915	2.11	5.15	74
G	3	910	2.18	5.17	75
H	1	755	1.40	2.68	69
H	2	740	1.44	2.75	69
H	3	730	1.47	2.80	71
I	1	940	1.63	4.26	72
I	2	925	1.85	4.47	73
I	3	915	2.08	4.62	79
J	1	810	1.22	2.25	69
J	2	775	1.33	2.44	70
J	3	740	1.43	2.66	73

AC axial fans

S series, Ø 800

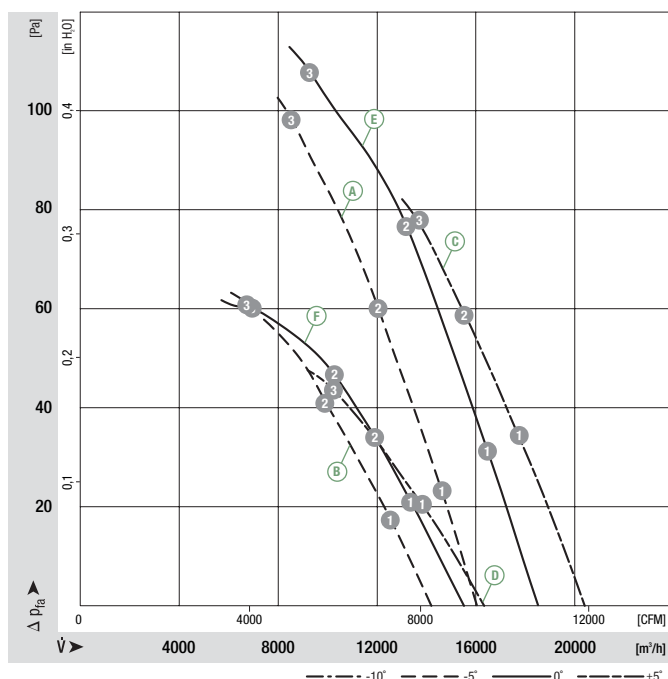


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" clockwise, direction of air 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.
*8D 800	M8D 138-HF	-5°	(A)	3~ 400 Δ	50	680	0.79	2.15	—	100	-40 to +55	F1b)/F2b)
			(B)	3~ 400 Y	50	540	0.48	1.05	—	60	-40 to +55	
*8D 800	M8D 138-LA	+5°	(C)	3~ 400 Δ	50	665	1.05	2.70	—	80	-40 to +70	F1b)/F2b)
			(D)	3~ 400 Y	50	500	0.63	1.31	—	45	-40 to +70	
*8D 800	M8D 138-LA	0°	(E)	3~ 400 Δ	50	660	0.98	2.41	—	105	-40 to +65	F1b)/F2b)
			(F)	3~ 400 Y	50	515	0.57	1.21	—	57	-40 to +65	
*ZD 800	MZD 138-HF	0°	(G)	3~ 400 Δ	50	435	0.37	1.15	—	44	-40 to +80	F1b)/F2b)
			(H)	3~ 400 Y	50	330	0.20	0.48	—	25	-40 to +80	

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

Curves

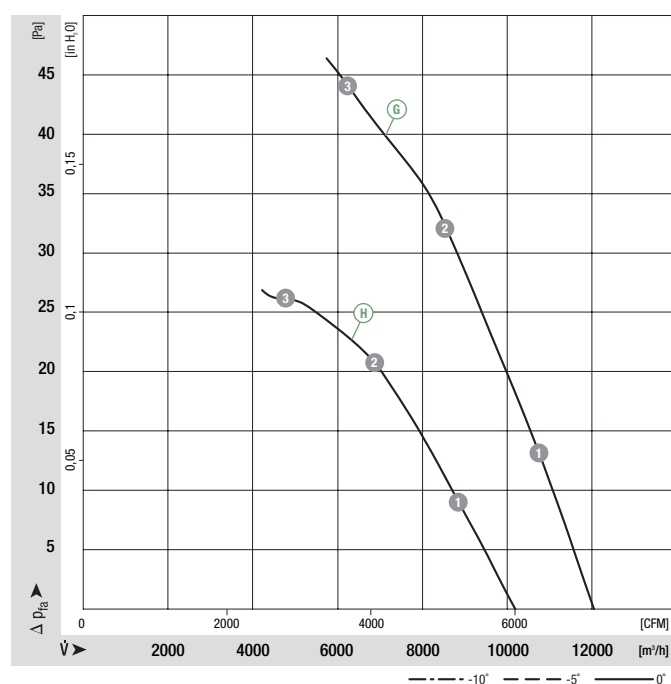


		n [rpm]	P ₁ [kW]	I [A]	L _{W A} [dB(A)]
(A)	1	700	0.60	2.08	67
(A)	2	690	0.68	2.10	67
(A)	3	680	0.79	2.15	71
(B)	1	605	0.40	0.87	64
(B)	2	575	0.44	0.94	63
(B)	3	540	0.48	1.05	65
(C)	1	680	0.96	2.57	68
(C)	2	670	1.01	2.61	69
(C)	3	665	1.05	2.70	71
(D)	1	525	0.60	1.26	63
(D)	2	510	0.62	1.29	63
(D)	3	500	0.63	1.31	64
(E)	1	690	0.76	2.21	67
(E)	2	680	0.85	2.28	67
(E)	3	660	0.98	2.41	71
(F)	1	560	0.50	1.06	63
(F)	2	530	0.54	1.13	62
(F)	3	515	0.57	1.21	64

- **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"	A8D 800-AN01 -01	W8D 800-GN01 -01	S8D 800-CN01 -01	S8D 800-AN01 -01	—	—	—
"A"	A8D 800-AN01 -02	W8D 800-DN01 -02	—	—	S8D 800-BN01 -02	—	—
"V"	A8D 800-AT03 -01	W8D 800-GT03 -01	S8D 800-CT03 -01	S8D 800-AT03 -01	—	—	—
"A"	A8D 800-AT03 -02	W8D 800-DT03 -02	—	—	S8D 800-BT03 -02	—	—
"V"	A8D 800-AJ01 -01	W8D 800-GJ01 -01	S8D 800-CJ01 -01	S8D 800-AJ01 -01	—	—	—
"A"	A8D 800-AJ01 -02	W8D 800-DJ01 -02	—	—	S8D 800-BJ01 -02	—	—
"V"	AZD 800-AM03 -01	WZD 800-GM03 -01	SZD 800-CM03 -01	SZD 800-AM03 -01	—	—	—
"A"	AZD 800-AM03 -02	WZD 800-DM03 -02	—	—	SZD 800-BM03 -02	—	—

Curves



	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
G 1	455	0.31	1.09	59
G 2	445	0.33	1.10	58
G 3	435	0.37	1.15	61
H 1	375	0.17	0.43	55
H 2	360	0.18	0.45	55
H 3	330	0.20	0.48	55



With full square nozzle

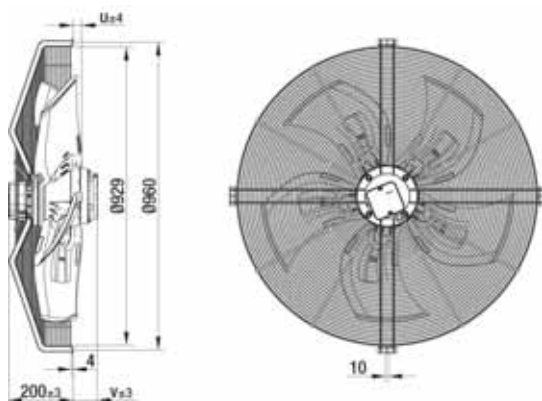


With guard grille for full nozzle

ebmpapst



With guard grille for short nozzle

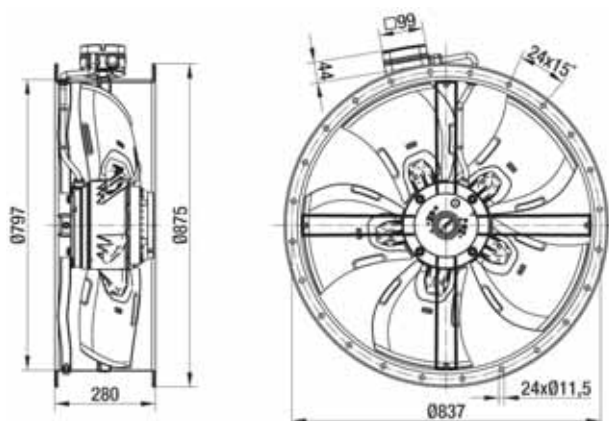


◁ "V"

Type	Mass [kg]	u	v
S6D 800-AN01 -01	34.0	17.0	51.0
S6D 800-A001 -01	34.0	17.0	51.0
S6D 800-AJ01 -01	38.0	27.0	76.0
S6D 800-AS01 -01	41.0	32.0	96.0
S6D 800-AP01 -01	41.0	27.0	96.0
S8D 800-AN01 -01	34.0	22.0	51.0
S8D 800-AT03 -01	38.0	32.0	76.0
S8D 800-AJ01 -01	38.0	27.0	76.0
SZD 800-AM03 -01	34.0	17.0	51.0



In-line duct fan



◁ "V"

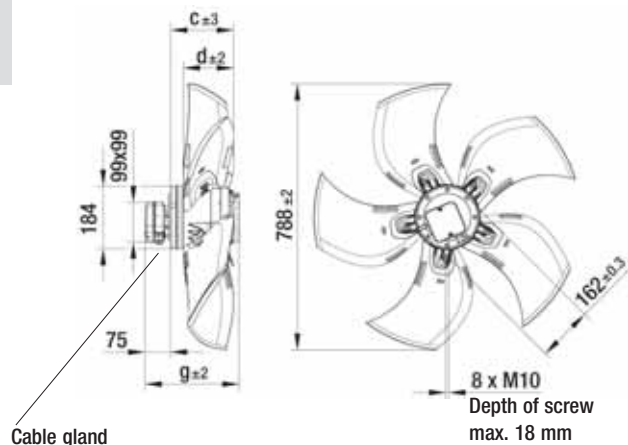
Type	Mass [kg]
W6D 800-IJ01 -01	43.8

AC axial fans

S series, Ø 800, drawings for direction of air flow "A"



Without attachments

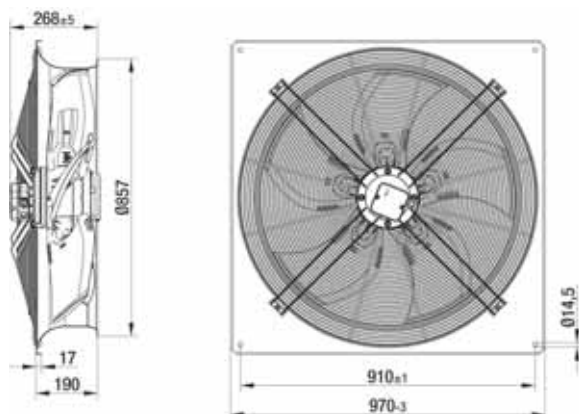


"A" >

Type	Mass [kg]	c	d	g
A6D 800-AN01 -02	22.0	175.0	133.0	251.0
A6D 800-AO01 -02	22.0	165.0	188.0	251.0
A6D 800-AJ01 -02	26.0	185.0	147.0	276.0
A6D 800-AS01 -02	29.0	194.0	162.0	296.0
A6D 800-AP01 -02	29.0	185.0	147.0	296.0
A8D 800-AN01 -02	22.0	175.0	133.0	251.0
A8D 800-AT03 -02	26.0	194.0	162.0	276.0
A8D 800-AJ01 -02	26.0	185.0	147.0	276.0
AZD 800-AM03 -02	22.0	185.0	147.0	251.0



With full square nozzle

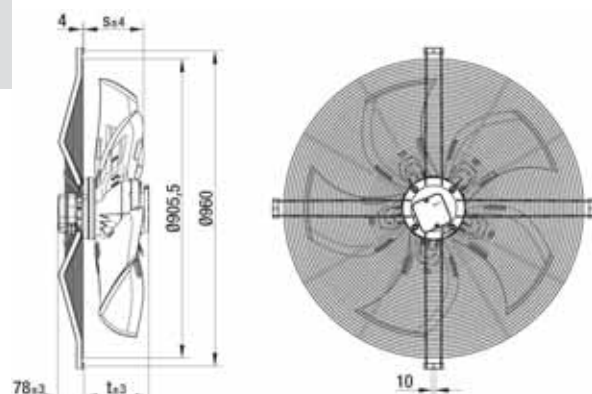


"A" >

Type	Mass [kg]
W6D 800-DN01 -02	43.5
W6D 800-DO01 -02	43.5
W6D 800-DJ01 -02	47.5
W6D 800-DS01 -02	50.5
W6D 800-DP01 -02	50.5
W8D 800-DN01 -02	43.5
W8D 800-DT03 -02	47.5
W8D 800-DJ01 -02	47.5
WZD 800-DM03 -02	43.5



With guard grille for full nozzle



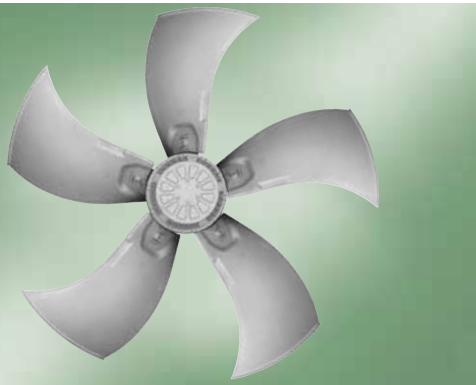
"A" >

Type	Mass [kg]	s	t
S6D 800-BN01 -02	33.0	172.0	173.0
S6D 800-BO01 -02	33.0	162.0	173.0
S6D 800-BJ01 -02	37.0	182.0	198.0
S6D 800-BS01 -02	40.0	191.0	218.0
S6D 800-BP01 -02	40.0	182.0	218.0
S8D 800-BN01 -02	34.0	172.0	173.0
S8D 800-BT03 -02	37.0	191.0	198.0
S8D 800-BJ01 -02	37.0	182.0	198.0
SZD 800-BM03 -02	34.0	182.0	173.0

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

S series, Ø 910



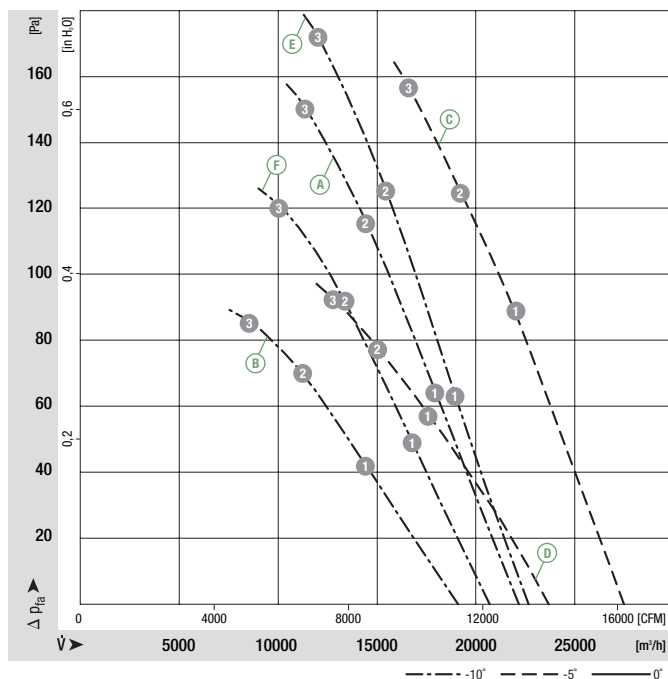
- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" clockwise, direction of air 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.
*6D 910	M6D 138-HF	-10°	(A) 3~	400 Δ	50	880	1.30	2.75	—	150	-40 to +60	F1b)/F2b)
			(B) 3~	400 Y	50	670	0.81	1.56	—	85	-40 to +60	
*6D 910	M6D 138-LA	-5°	(C) 3~	400 Δ	50	900	1.84	3.76	—	150	-40 to +60	F1b)/F2b)
			(D) 3~	400 Y	50	700	1.20	2.24	—	88	-40 to +60	
*6D 910	M6D 138-LA	-10°	(E) 3~	400 Δ	50	930	1.41	3.20	—	165	-40 to +75	F1b)/F2b)
			(F) 3~	400 Y	50	780	1.03	1.90	—	115	-40 to +75	
*6D 910	M6D 138-NA	0°	(G) 3~	400 Δ	50	890	2.45	5.20	—	160	-40 to +50	F1b)/F2b)
			(H) 3~	400 Y	50	685	1.56	2.90	—	95	-40 to +50	
*6D 910	M6D 138-NA	-5°	(I) 3~	400 Δ	50	920	1.96	4.50	—	170	-40 to +60	F1b)/F2b)
			(J) 3~	400 Y	50	760	1.37	2.55	—	115	-40 to +60	
*6D 910	M6D 138-NA	-10°	(K) 3~	400 Δ	50	940	1.53	4.45	—	170	-40 to +70	F1b)/F2b)
			(L) 3~	400 Y	50	830	1.14	2.15	—	130	-40 to +70	

subject to alterations

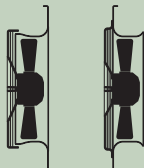
(1) Nominal data in operating point 3 with maximum load

Curves

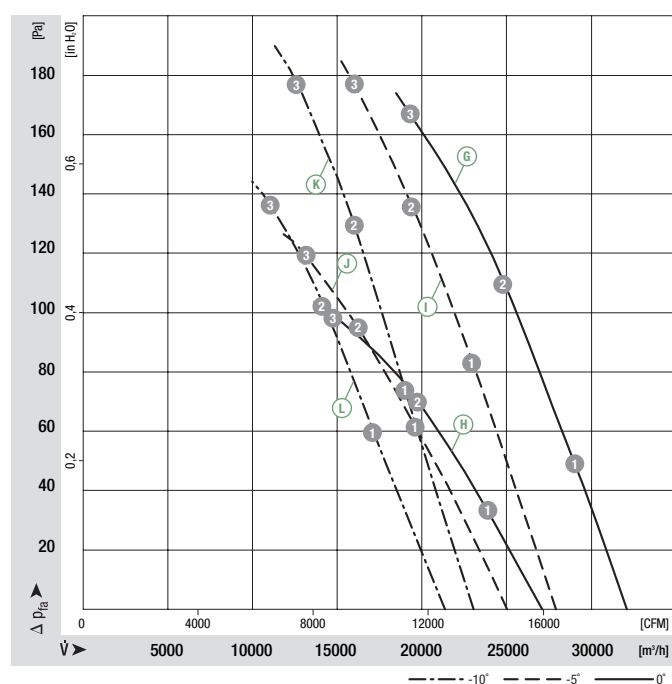


		n [rpm]	P ₁ [kW]	I [A]	L _{WA} [dB(A)]
(A)	1	910	1.06	2.56	77
(A)	2	890	1.21	2.72	78
(A)	3	880	1.30	2.75	82
(B)	1	740	0.72	1.36	72
(B)	2	700	0.78	1.47	72
(B)	3	670	0.81	1.56	74
(C)	1	920	1.59	3.51	76
(C)	2	910	1.72	3.67	77
(C)	3	900	1.84	3.76	79
(D)	1	745	1.10	2.01	71
(D)	2	720	1.15	2.11	71
(D)	3	700	1.20	2.24	72
(E)	1	945	1.11	2.91	78
(E)	2	935	1.27	3.08	79
(E)	3	930	1.41	3.20	83
(F)	1	840	0.85	1.56	75
(F)	2	805	0.96	1.74	75
(F)	3	780	1.03	1.90	78

- **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"	A6D 910-A001 -01	W6D 910-G001 -01	S6D 910-C001 -01	S6D 910-A001 -01	—	—	—
"A"	A6D 910-A001 -02	W6D 910-D001 -02	—	—	S6D 910-B001 -02	—	—
"V"	A6D 910-AK01 -01	W6D 910-GK01 -01	S6D 910-CK01 -01	S6D 910-AK01 -01	—	—	—
"A"	A6D 910-AK01 -02	W6D 910-DK01 -02	—	—	S6D 910-BK01 -02	—	—
"V"	A6D 910-AL01 -01	W6D 910-GL01 -01	S6D 910-CL01 -01	S6D 910-AL01 -01	—	—	—
"A"	A6D 910-AL01 -02	W6D 910-DL01 -02	—	—	S6D 910-BL01 -02	—	—
"V"	A6D 910-AP01 -01	W6D 910-GP01 -01	S6D 910-CP01 -01	S6D 910-AP01 -01	—	—	—
"A"	A6D 910-AP01 -02	W6D 910-DP01 -02	—	—	S6D 910-BP01 -02	—	—
"V"	A6D 910-AQ01 -01	W6D 910-GQ01 -01	S6D 910-CQ01 -01	S6D 910-AQ01 -01	—	—	—
"A"	A6D 910-AQ01 -02	W6D 910-DQ01 -02	—	—	S6D 910-BQ01 -02	—	—
"V"	A6D 910-AR01 -01	W6D 910-GR01 -01	S6D 910-CR01 -01	S6D 910-AR01 -01	—	—	—
"A"	A6D 910-AR01 -02	W6D 910-DR01 -02	—	—	S6D 910-BR01 -02	—	—

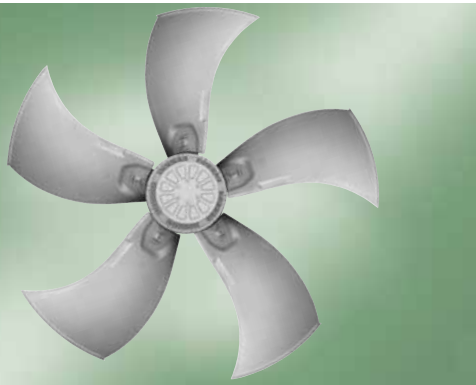
Curves



	n [rpm]	P ₁ [kW]	I [A]	L _{WA} [dB(A)]
Ⓔ 1	920	1.99	4.65	76
Ⓔ 2	905	2.24	4.95	76
Ⓔ 3	890	2.45	5.20	79
Ⓗ 1	760	1.39	2.57	72
Ⓗ 2	725	1.49	2.76	70
Ⓗ 3	685	1.56	2.90	72
Ⓘ 1	940	1.64	4.33	77
Ⓘ 2	930	1.82	4.51	78
Ⓘ 3	920	1.96	4.50	80
Ⓙ 1	810	1.20	2.23	73
Ⓙ 2	780	1.30	2.40	73
Ⓙ 3	760	1.37	2.55	75
Ⓚ 1	960	1.24	4.27	78
Ⓚ 2	950	1.40	4.35	80
Ⓚ 3	940	1.53	4.45	83
Ⓛ 1	875	0.94	1.79	76
Ⓛ 2	850	1.05	1.97	77
Ⓛ 3	830	1.14	2.15	80

AC axial fans

S series, Ø 910

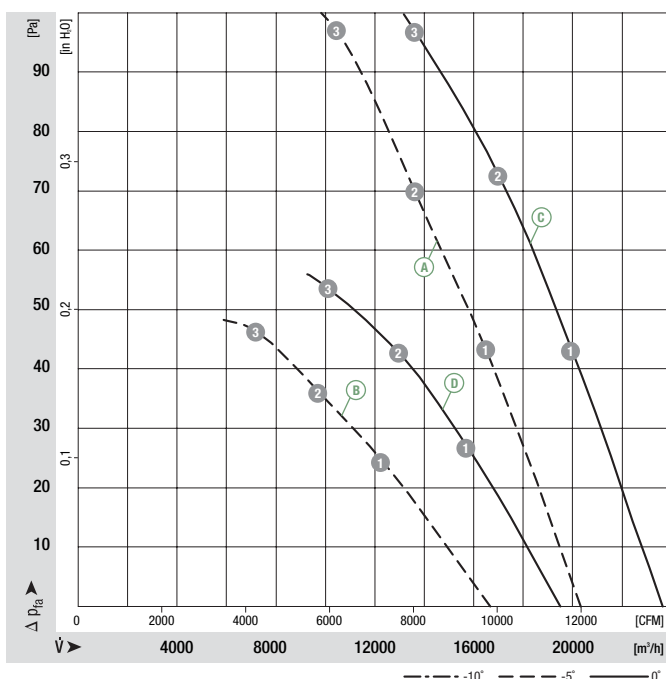


- Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Die-cast aluminium
Rotor: Encased in aluminium
- Number of blades:** 5
- Direction of rotation:** Direction of air flow "V" clockwise, direction of air 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.
*8D 910	M8D 138-HF	-5°	(A)	3~ 400 Δ	50	645	0.85	2.09	—	90	-40 to +60	F1b)/F2b)
			(B)	3~ 400 Y	50	450	0.45	1.00	—	43	-40 to +60	
*8D 910	M8D 138-LA	0°	(C)	3~ 400 Δ	50	665	1.11	2.70	—	90	-40 to +65	F1b)/F2b)
			(D)	3~ 400 Y	50	495	0.68	1.36	—	50	-40 to +65	
*ZD 910	MZD 138-HF	0°	(E)	3~ 400 Δ	50	425	0.42	1.15	—	40	-40 to +70	F1b)/F2b)
			(F)	3~ 400 Y	50	315	0.22	0.50	—	21	-40 to +70	
*ZD 910	MZD 138-HF	-5°	(G)	3~ 400 Δ	50	430	0.32	0.86	—	42	-40 to +100	F1b)/F2b)
			(H)	3~ 400 Y	50	320	0.17	0.40	—	22	-40 to +100	

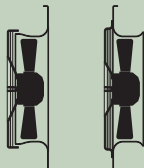
subject to alterations (1) Nominal data in operating point 3 with maximum load

Curves

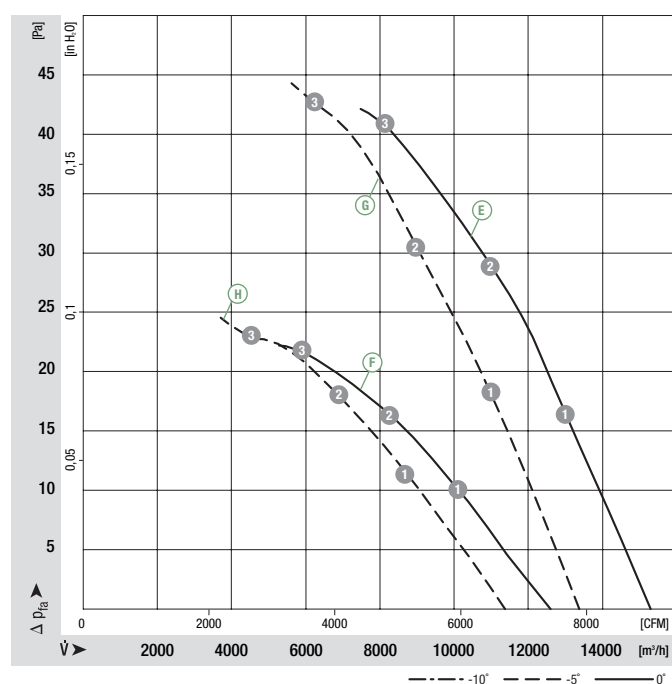


		n [rpm]	P ₁ [kW]	I [A]	Lw _A [dB(A)]
(A)	1	670	0.73	1.94	68
(A)	2	655	0.80	2.03	68
(A)	3	645	0.85	2.09	69
(B)	1	500	0.43	0.95	62
(B)	2	460	0.44	0.99	60
(B)	3	450	0.45	1.00	60
(C)	1	685	0.94	2.49	69
(C)	2	675	1.03	2.57	69
(C)	3	665	1.11	2.70	71
(D)	1	540	0.62	1.23	64
(D)	2	515	0.65	1.30	63
(D)	3	495	0.68	1.36	64

- **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"	A8D 910-AN07 -01	W8D 910-GN07 -01	S8D 910-CN07 -01	S8D 910-AN07 -01	—	—	—
"A"	A8D 910-AN07 -02	W8D 910-DN07 -02	—	—	S8D 910-BN07 -02	—	—
"V"	A8D 910-AJ03 -01	W8D 910-GJ03 -01	S8D 910-CJ03 -01	S8D 910-AJ03 -01	—	—	—
"A"	A8D 910-AJ03 -02	W8D 910-DJ03 -02	—	—	S8D 910-BJ03 -02	—	—
"V"	AZD 910-AM03 -01	WZD 910-GM03 -01	SZD 910-CM03 -01	SZD 910-AM03 -01	—	—	—
"A"	AZD 910-AM03 -02	WZD 910-DM03 -02	—	—	SZD 910-BM03 -02	—	—
"V"	AZD 910-AN05 -01	WZD 910-GN05 -01	SZD 910-CN05 -01	SZD 910-AN05 -01	—	—	—
"A"	AZD 910-AN05 -02	WZD 910-DN05 -02	—	—	SZD 910-BN05 -02	—	—

Curves



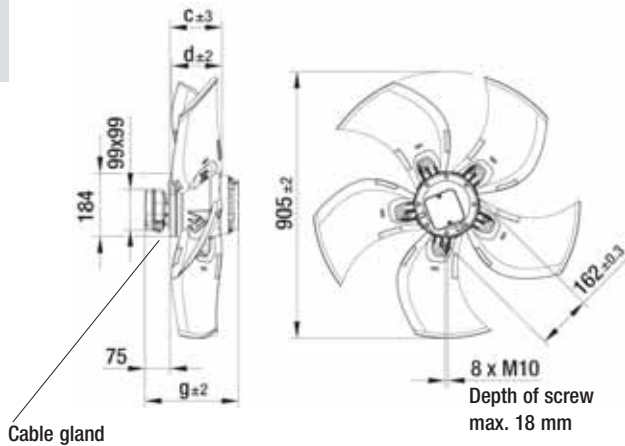
	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]
E 1	445	0.36	1.11	61
E 2	435	0.39	1.13	59
E 3	425	0.42	1.15	61
F 1	345	0.20	0.46	54
F 2	330	0.21	0.48	53
F 3	315	0.22	0.50	53
G 1	450	0.27	0.81	60
G 2	440	0.29	0.84	59
G 3	430	0.32	0.86	61
H 1	360	0.16	0.36	54
H 2	340	0.17	0.38	53
H 3	320	0.17	0.40	53

AC axial fans

S series, Ø 910, drawings for direction of air flow "V"



Without attachments

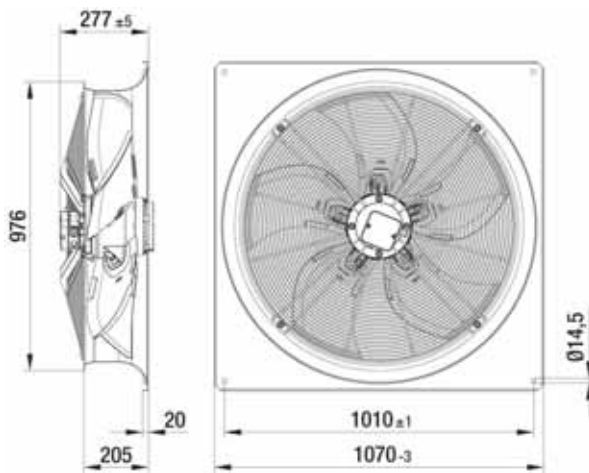


< "V"

Type	Mass [kg]	c	d	g
A6D 910-A001 -01	22.0	147.0	104.0	251.0
A6D 910-AK01 -01	27.0	152.0	115.0	276.0
A6D 910-AL01 -01	27.0	147.0	104.0	276.0
A6D 910-AP01 -01	30.0	156.0	123.0	296.0
A6D 910-AQ01 -01	30.0	152.0	115.0	296.0
A6D 910-AR01 -01	30.0	147.0	104.0	296.0
A8D 910-AN07 -01	22.0	152.0	115.0	251.0
A8D 910-AJ03 -01	27.0	156.0	123.0	276.0
AZD 910-AM03 -01	22.0	157.0	123.0	251.0
AZD 910-AN05 -01	22.0	152.0	115.0	251.0



With full square nozzle

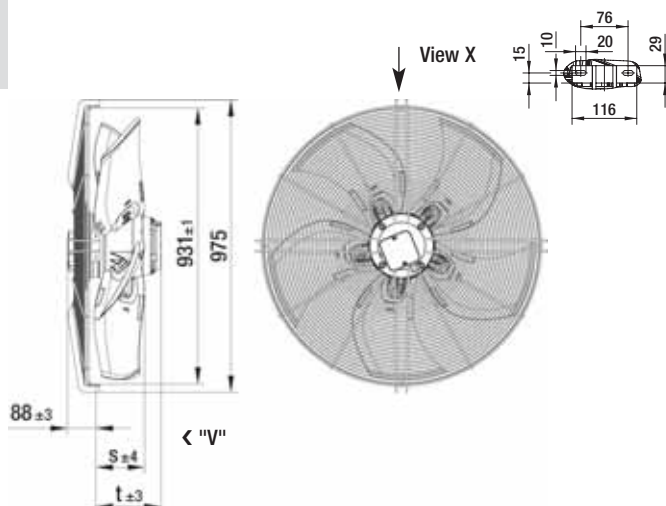


< "V"

Type	Mass [kg]
W6D 910-G001 -01	42.0
W6D 910-GK01 -01	47.0
W6D 910-GL01 -01	47.0
W6D 910-GP01 -01	50.0
W6D 910-GQ01 -01	50.0
W6D 910-GR01 -01	50.0
W8D 910-GN07 -01	42.0
W8D 910-GJ03 -01	47.0
WZD 910-GM03 -01	42.0
WZD 910-GN05 -01	42.0



With guard grille for full nozzle

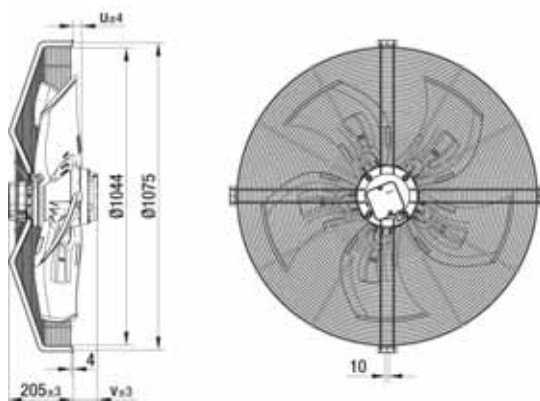


< "V"

Type	Mass [kg]	s	t
S6D 910-C001 -01	33.0	134.0	163.0
S6D 910-CK01 -01	38.0	139.0	188.0
S6D 910-CL01 -01	38.0	134.0	188.0
S6D 910-CP01 -01	41.0	143.0	208.0
S6D 910-CQ01 -01	41.0	139.0	208.0
S6D 910-CR01 -01	41.0	134.0	208.0
S8D 910-CN07 -01	33.0	139.0	163.0
S8D 910-CJ03 -01	38.0	143.0	188.0
SZD 910-CM03 -01	33.0	143.0	163.0
SZD 910-CN05 -01	33.0	139.0	163.0



With guard grille for short nozzle



< "V"

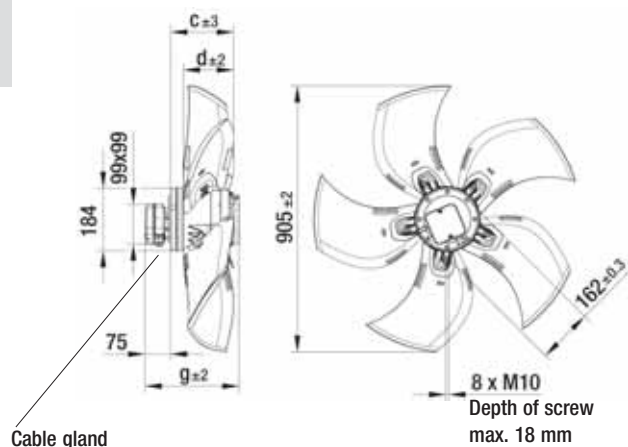
Type	Mass [kg]	u	v
S6D 910-A001 -01	35.0	17.0	46.0
S6D 910-AK01 -01	40.0	22.0	71.0
S6D 910-AL01 -01	40.0	17.0	71.0
S6D 910-AP01 -01	43.0	26.0	91.0
S6D 910-AQ01 -01	43.0	22.0	91.0
S6D 910-AR01 -01	43.0	17.0	91.0
S8D 910-AN07 -01	35.0	22.0	46.0
S8D 910-AJ03 -01	40.0	26.0	71.0
SZD 910-CM03 -01	35.0	26.0	46.0
SZD 910-CN05 -01	35.0	22.0	46.0

AC axial fans

S series, Ø 910, drawings for direction of air flow "A"



Without attachments

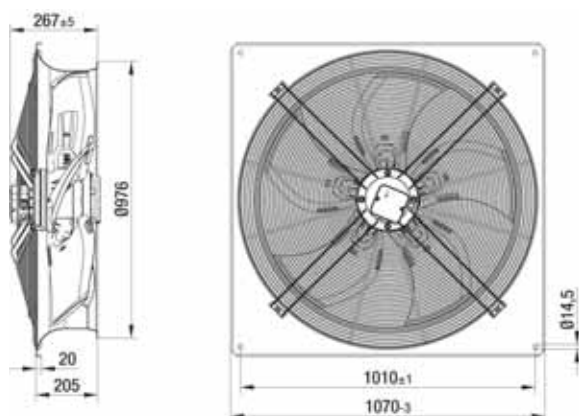


"A" >

Type	Mass [kg]	c	d	g
A6D 910-A001 -02	22.0	145.0	104.0	251.0
A6D 910-AK01 -02	27.0	154.0	115.0	276.0
A6D 910-AL01 -02	27.0	145.0	104.0	276.0
A6D 910-AP01 -02	30.0	157.0	123.0	296.0
A6D 910-AQ01 -02	30.0	154.0	115.0	296.0
A6D 910-AR01 -02	30.0	145.0	104.0	296.0
A8D 910-AN07 -02	22.0	154.0	115.0	251.0
A8D 910-AJ03 -02	27.0	157.0	123.0	276.0
AZD 910-AM03 -02	22.0	157.0	123.0	251.0
AZD 910-AN05 -02	22.0	154.0	115.0	251.0



With full square nozzle

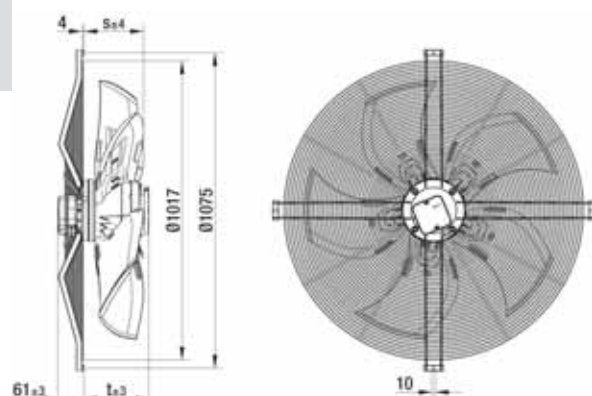


"A" >

Type	Mass [kg]
W6D 910-D001 -02	43.5
W6D 910-DK01 -02	48.5
W6D 910-DL01 -02	48.5
W6D 910-DP01 -02	51.5
W6D 910-DQ01 -02	51.5
W6D 910-DR01 -02	51.5
W8D 910-DN07 -02	43.5
W8D 910-DJ03 -02	48.5
WZD 910-DM03 -02	43.5
WZD 910-DN05 -02	43.5



With guard grille for full nozzle



"A" >

Type	Mass [kg]	s	t
S6D 910-B001 -02	34.0	159.0	195.0
S6D 910-BK01 -02	39.0	168.0	215.0
S6D 910-BL01 -02	39.0	159.0	215.0
S6D 910-BP01 -02	42.0	171.0	235.0
S6D 910-BQ01 -02	42.0	168.0	235.0
S6D 910-BR01 -02	42.0	159.0	235.0
S8D 910-BN07 -02	34.0	168.0	195.0
S8D 910-BJ03 -02	39.0	171.0	215.0
SZD 910-BM03 -02	34.0	171.0	195.0
SZD 910-BN05 -02	34.0	168.0	195.0

