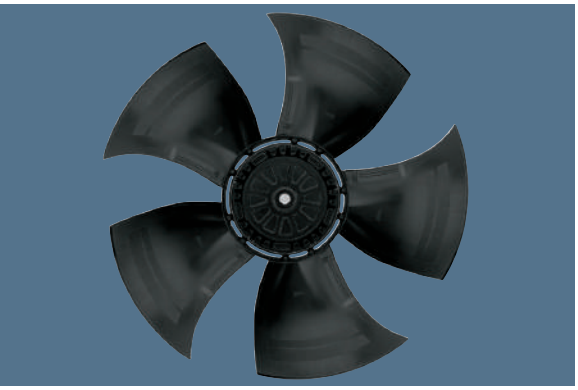
ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

AC axial fans - HyBlade®

Ø 500



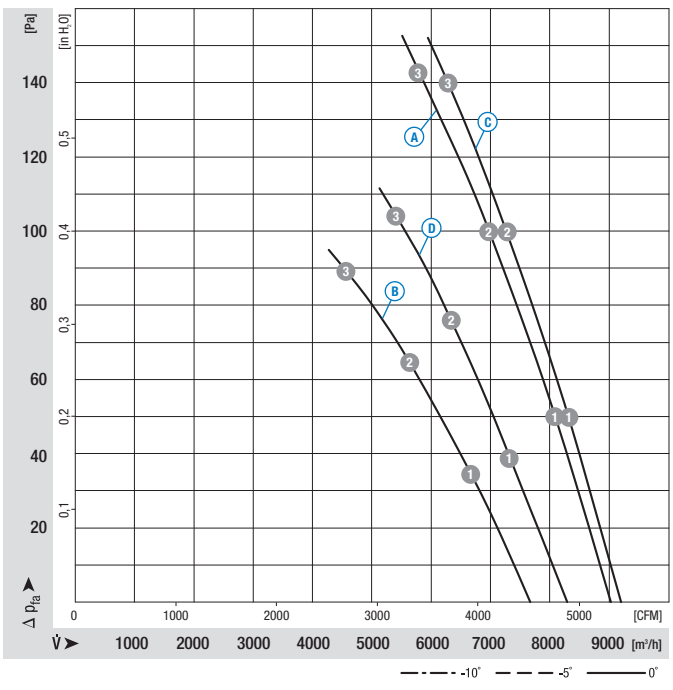
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades: Pressed-on round sheet steel plate, extrusion-coated in PP plastics
  Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Design with thermal overload protector

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. 34
***4D 500**	M4D 110-EF	0°	Ⓐ	3~ 400 Δ	50	1340	0,71	1,40	—	140	-40..+60	F1b)/F2b)
			Ⓑ	3~ 400 Y	50	1060	0,48	0,80	—	87	-40..+60	
***4D 500**	M4D 110-GF	0°	Ⓒ	3~ 400 Δ	50	1390	0,72	1,41	—	140	-40..+65	F1b)/F2b)
			Ⓓ	3~ 400 Y	50	1180	0,55	0,95	—	100	-40..+65	
***6D 500**	M6D 110-EF	0°	Ⓔ	3~ 400 Δ	50	930	0,27	0,69	—	75	-40..+65	F1b)/F2b)
			Ⓕ	3~ 400 Y	50	800	0,19	0,40	—	55	-40..+65	
***8D 500**	M8D 110-EF	0°	Ⓖ	3~ 400 Δ	50	680	0,15	0,40	—	40	-40..+65	F1b)/F2b)
			Ⓗ	3~ 400 Y	50	560	0,09	0,18	—	28	-40..+65	

subject to alterations

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

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: Lw_A as per ISO 13347, Lp_A measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

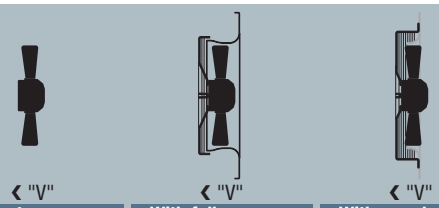
For detailed information see page 36 ff.

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓐ ①	1375	0,60	1,30	72
Ⓐ ②	1360	0,66	1,34	71
Ⓐ ③	1340	0,71	1,40	71
Ⓑ ①	1135	0,43	0,71	68
Ⓑ ②	1095	0,46	0,76	66
Ⓑ ③	1060	0,48	0,80	65
Ⓒ ①	1410	0,60	1,28	72
Ⓒ ②	1400	0,66	1,34	71
Ⓒ ③	1390	0,72	1,41	71
Ⓓ ①	1245	0,48	0,78	70
Ⓓ ②	1215	0,52	0,84	68
Ⓓ ③	1180	0,55	0,95	68

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- **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)

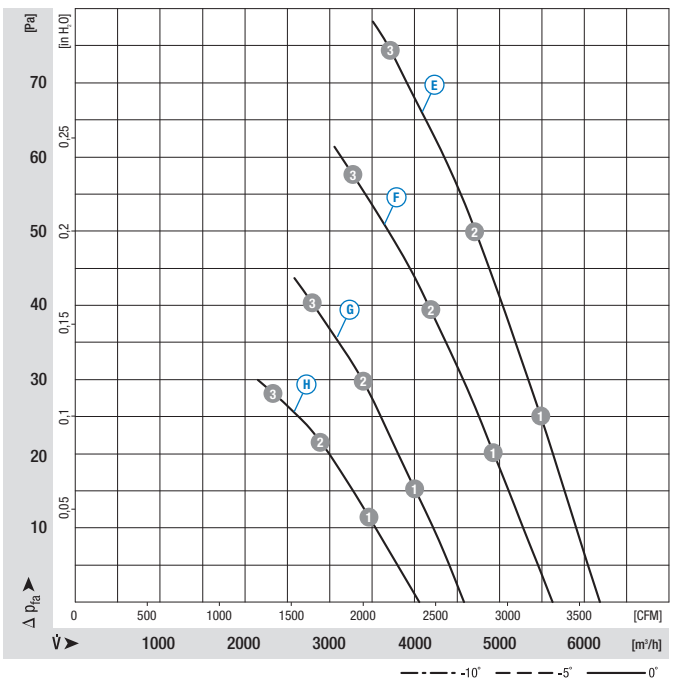
Direction of air flow



	Without attachments	With full square nozzle	With guard grille for short nozzle
"V"	A4D 500-AJ03 -01	W4D 500-GJ03 -01	S4D 500-AJ03 -01
"V"	A4D 500-AM03 -01	W4D 500-GM03 -01	S4D 500-AM03 -01
"V"	A6D 500-AJ03 -01	W6D 500-GJ03 -01	S6D 500-AJ03 -01
"V"	A8D 500-AJ03 -01	W8D 500-GJ03 -01	S8D 500-AJ03 -01

Direction of air flow "A" on request

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: Lw_A as per ISO 13347, Lp_A measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

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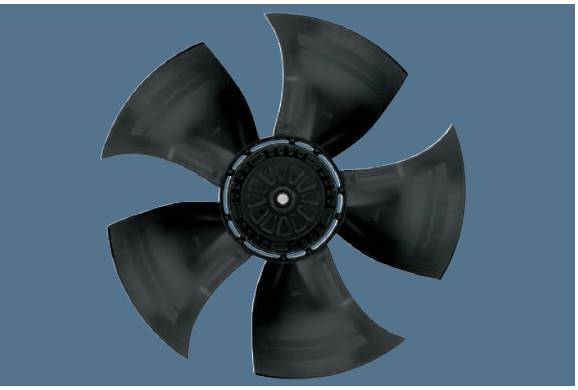
For detailed information see page 36 ff.

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
E 1	945	0,23	0,65	64
E 2	935	0,25	0,66	62
E 3	930	0,27	0,69	63
F 1	850	0,16	0,29	62
F 2	830	0,17	0,30	59
F 3	800	0,19	0,40	59
G 1	700	0,13	0,37	58
G 2	695	0,13	0,38	55
G 3	680	0,15	0,40	54
H 1	610	0,08	0,16	55
H 2	590	0,08	0,16	51
H 3	560	0,09	0,18	50

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AC axial fans - HyBlade®

Ø 500



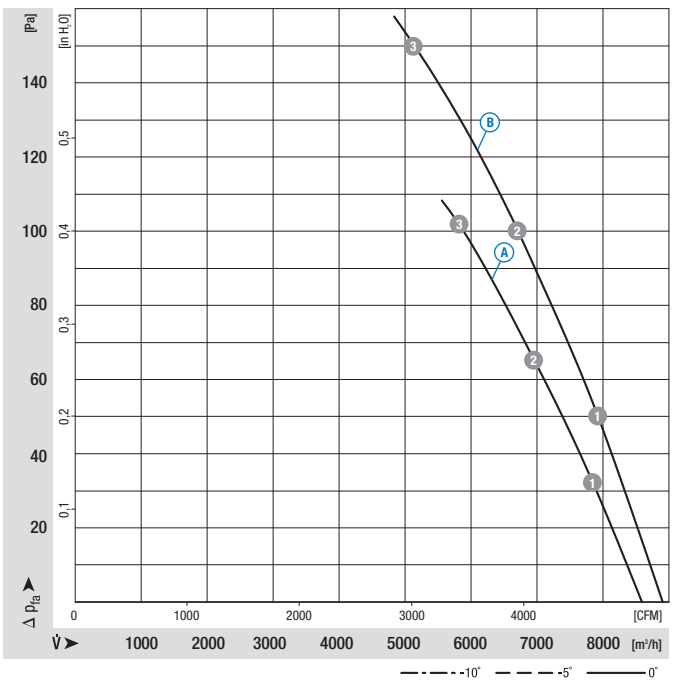
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades: Pressed-on round sheet steel plate, extrusion-coated in PP plastics
  Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Design with thermal overload protector

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. 34
***4E 500**	M4E 110-EF	0°	Ⓐ	1~ 230	50	1225	0,60	2,62	10,0 / 400	100	-40..+55	A2b)
***4E 500**	M4E 110-GF	0°	Ⓑ	1~ 230	50	1300	0,68	3,00	12,0 / 450	150	-40..+65	A2b)
***6E 500**	M6E 110-EF	0°	Ⓒ	1~ 230	50	915	0,27	1,18	8,0 / 400	70	-40..+65	A2b)
***8E 500**	M8E 110-EF	0°	Ⓓ	1~ 230	50	665	0,13	0,59	3,0 / 400	35	-40..+65	A2b)

subject to alterations

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

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: Lw_A as per ISO 13347, Lp_A measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

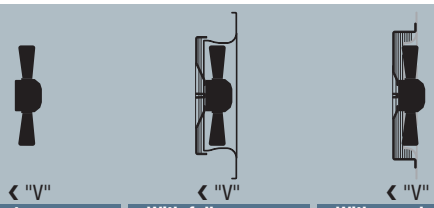
For detailed information see page 36 ff.

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓐ ①	1295	0,53	2,30	71
Ⓐ ②	1270	0,56	2,44	69
Ⓐ ③	1225	0,60	2,62	68
Ⓑ ①	1355	0,57	2,50	72
Ⓑ ②	1330	0,62	2,73	70
Ⓑ ③	1300	0,68	3,00	72

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- **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)

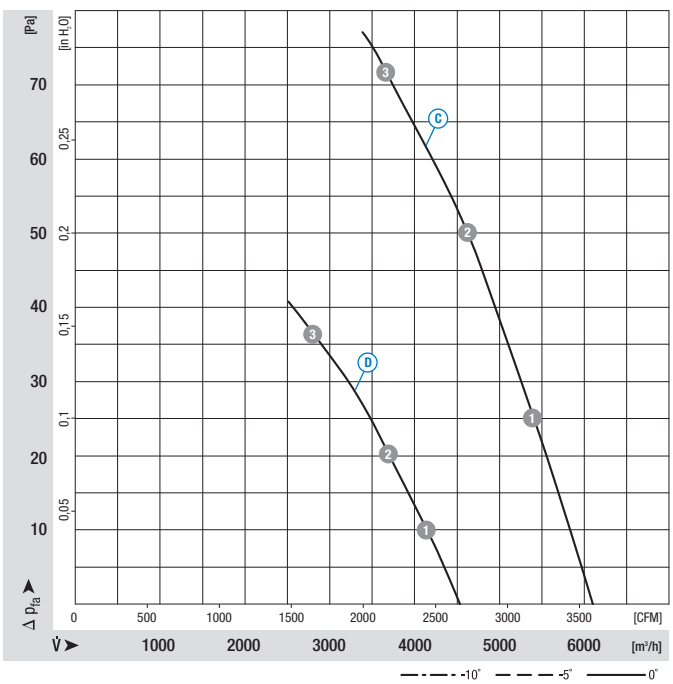
Direction of air flow



	Without attachments	With full square nozzle	With guard grille for short nozzle
"V"	A4E 500-AJ01 -01	W4E 500-GJ01 -01	S4E 500-AJ01 -01
"V"	A4E 500-AM03 -01	W4E 500-GM03 -01	S4E 500-AM03 -01
"V"	A6E 500-AJ03 -01	W6E 500-GJ03 -01	S6E 500-AJ03 -01
"V"	A8E 500-AJ03 -01	W8E 500-GJ03 -01	S8E 500-AJ03 -01

Direction of air flow "A" on request

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: Lw_A as per ISO 13347, Lp_A measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

For detailed information see page 36 ff.

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
C 1	935	0,24	1,03	64
C 2	925	0,25	1,10	62
C 3	915	0,27	1,16	63
D 1	690	0,11	0,54	59
D 2	680	0,12	0,56	56
D 3	665	0,13	0,59	54

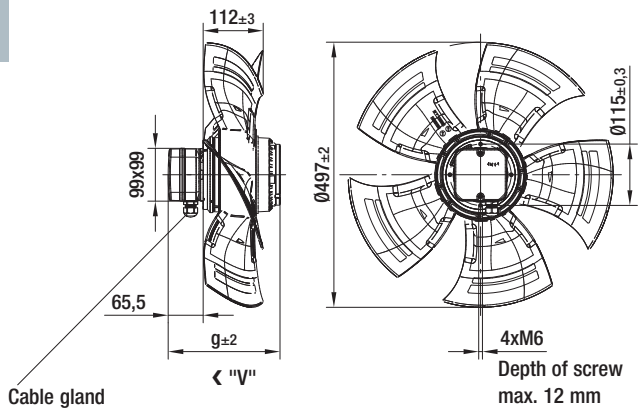
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zakaz@ventilatorry.ru

AC axial fans - HyBlade®

Ø 500 with motor M**110, drawings for direction of air flow "V"



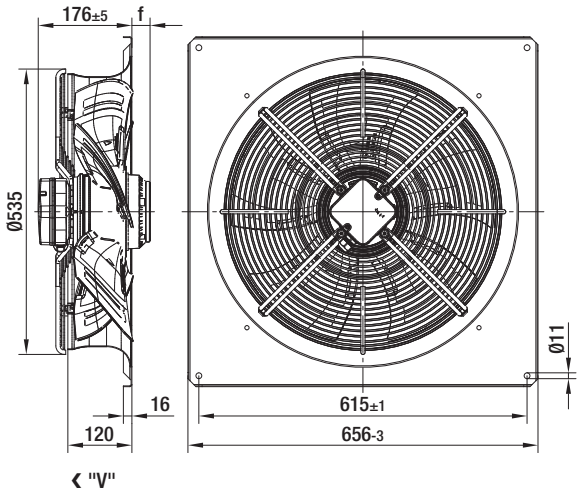
Without attachments



Type	Mass [kg]	g
A4D 500-AJ03 -01	8,5	189,5
A4D 500-AM03 -01	10,5	209,5
A6D 500-AJ03 -01	8,5	189,5
A8D 500-AJ03 -01	8,5	189,5
A4E 500-AJ01 -01	8,5	189,5
A4E 500-AM03 -01	10,5	209,5
A6E 500-AJ03 -01	8,5	189,5
A8E 500-AJ03 -01	8,5	189,5

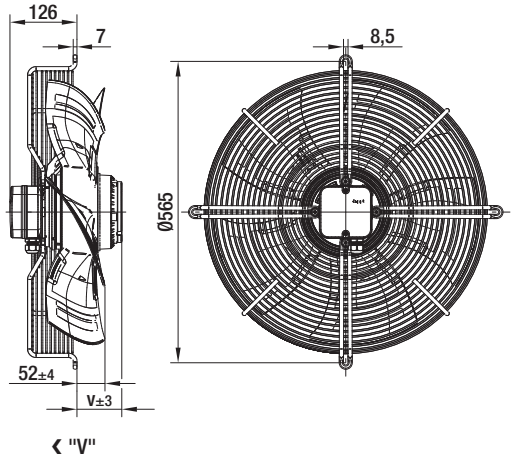
Internal diameter of the wall ring at least 503 mm

With full square nozzle



Type	Mass [kg]	f
W4D 500-GJ03 -01	16,0	13,5
W4D 500-GM03 -01	18,0	33,5
W6D 500-GJ03 -01	16,0	13,5
W8D 500-GJ03 -01	16,0	13,5
W4E 500-GJ01 -01	16,0	13,5
W4E 500-GM03 -01	18,0	33,5
W6E 500-GJ03 -01	16,0	13,5
W8E 500-GJ03 -01	16,0	13,5

With guard grille for short nozzle



Type	Mass [kg]	v
S4D 500-AJ03 -01	11,8	64,0
S4D 500-AM03 -01	13,8	84,0
S6D 500-AJ03 -01	11,8	64,0
S8D 500-AJ03 -01	11,8	64,0
S4E 500-AJ01 -01	11,8	64,0
S4E 500-AM03 -01	13,8	84,0
S6E 500-AJ03 -01	11,8	64,0
S8E 500-AJ03 -01	11,8	64,0

Internal diameter of the wall ring at least 503 mm