ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

AC axial fans - HyBlade®

Ø 710

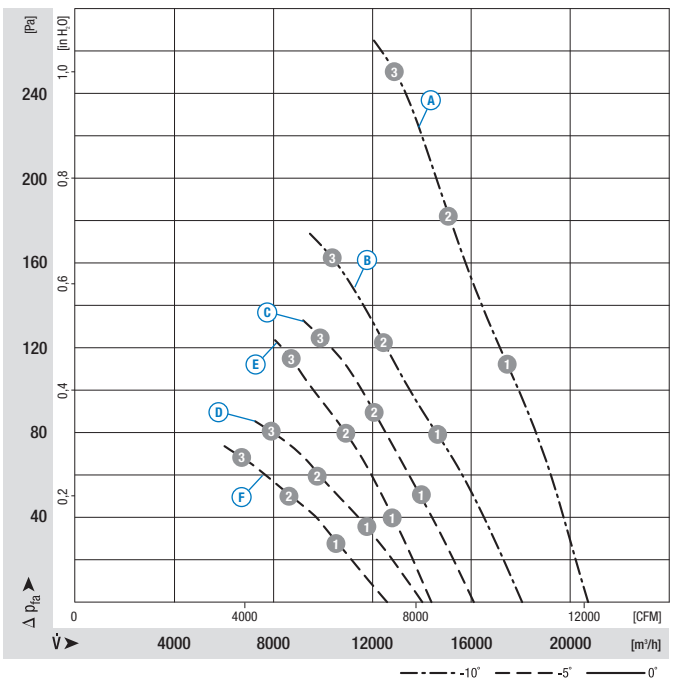
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades: Insertion part made of sheet aluminium, extrusion-coated in PP plastics
  Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Ⓔ Ⓕ Ⓖ counter-clockwise, Ⓐ Ⓑ Ⓒ Ⓓ 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 710**	M4D 138-LA	-10°	Ⓐ	3~ 400 Δ	50	1350	2,38	4,50	—	250	-40..+60	F1b)/F2b)
			Ⓑ	3~ 400 Y	50	1095	1,66	2,76	—	160	-40..+60	
***6D 710**	M6D 138-HF	-5°	Ⓒ	3~ 400 Δ	50	905	1,03	2,35	—	125	-40..+65	F1b)/F2b)
			Ⓓ	3~ 400 Y	50	730	0,69	1,34	—	80	-40..+65	
***6D 710**	M6D 110-IA	-5°	Ⓔ	3~ 400 Δ	50	880	0,84	1,74	—	115	-40..+50	F1b)/F2b)
			Ⓕ	3~ 400 Y	50	670	0,53	0,94	—	68	-40..+50	
***6E 710**	M6E 110-IA	-10°	Ⓖ	1~ 230	50	900	0,63	2,79	14,0 / 450	105	-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!

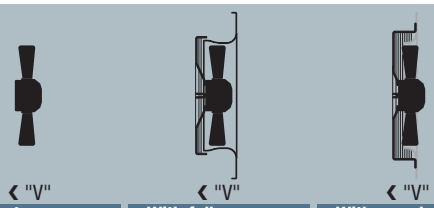
For detailed information see page 36 ff.

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓐ ①	1380	2,00	3,92	81
Ⓐ ②	1365	2,23	4,24	83
Ⓐ ③	1350	2,38	4,50	86
Ⓑ ①	1165	1,47	2,50	76
Ⓑ ②	1125	1,59	2,71	78
Ⓑ ③	1095	1,66	2,76	81
Ⓒ ①	925	0,86	2,18	69
Ⓒ ②	915	0,94	2,26	70
Ⓒ ③	905	1,03	2,35	73
Ⓓ ①	780	0,62	1,19	65
Ⓓ ②	755	0,66	1,27	65
Ⓓ ③	730	0,69	1,34	68
Ⓔ ①	915	0,63	1,52	70
Ⓔ ②	895	0,74	1,63	68
Ⓔ ③	880	0,84	1,74	71
Ⓕ ①	755	0,43	0,77	65
Ⓕ ②	710	0,48	0,85	63
Ⓕ ③	670	0,53	0,94	65

ebmpapst

- **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)

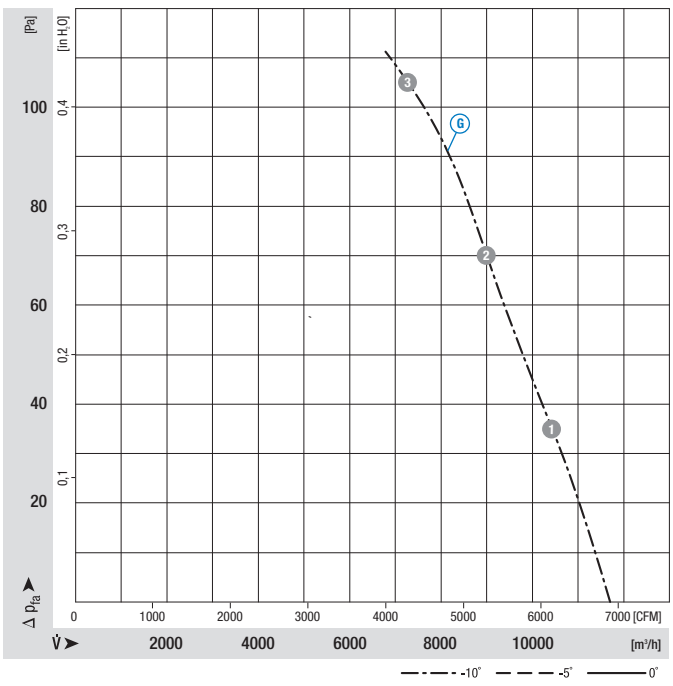
Direction of air flow



	Without attachments	With full square nozzle	With guard grille for short nozzle
"V"	A4D 710-AF01 -01	W4D 710-GF01 -01	S4D 710-AF01 -01
"V"	A6D 710-AH01 -01	W6D 710-GH01 -01	S6D 710-AH01 -01
"V"	A6D 710-AQ01 -01	W6D 710-GQ01 -01	S6D 710-AQ01 -01
"V"	A6E 710-AR03 -01	W6E 710-GR03 -01	S6E 710-AR03 -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

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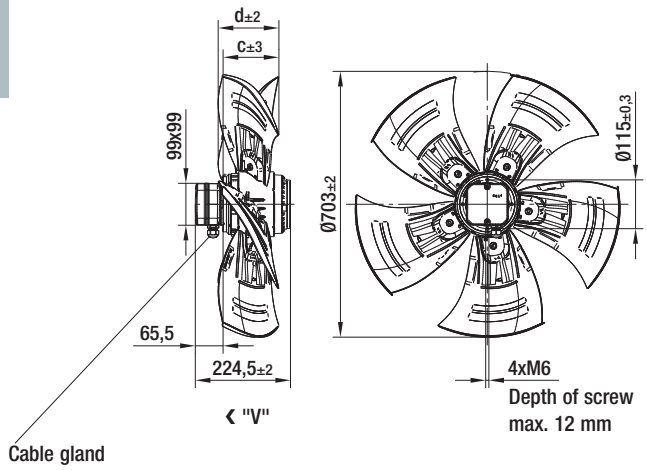
	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
G 1	935	0,50	2,24	73
G 2	920	0,56	2,51	73
G 3	900	0,63	2,79	77

AC axial fans - HyBlade®

Ø 710 with motor M**110, drawings for direction of air flow "V"

Without attachments

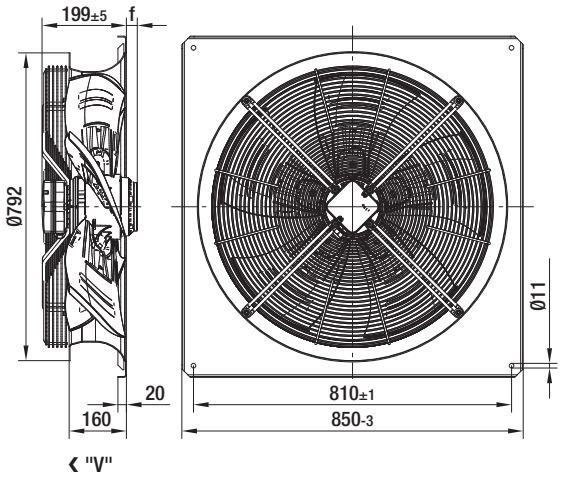
Type	Mass [kg]	c	d
A6D 710-AQ01 -01	14,0	118,0	113,0
A6E 710-AR03 -01	14,0	111,0	96,0



Internal diameter of the wall ring at least 710 mm

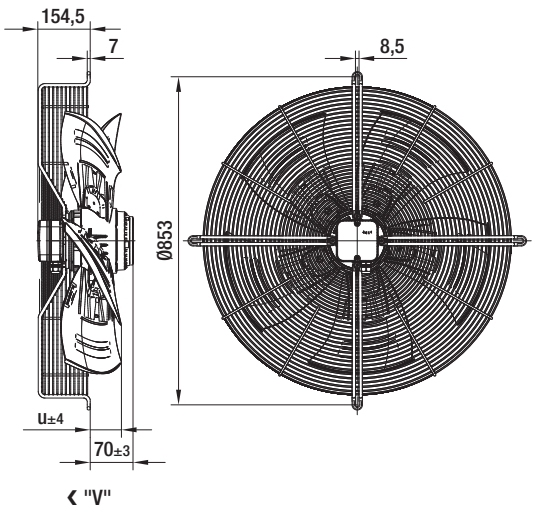
With full square nozzle

Type	Mass [kg]	f
W6D 710-GQ01 -01	29,9	25,5
W6E 710-GR03 -01	29,9	25,5



With guard grille for short nozzle

Type	Mass [kg]	u
S6D 710-AQ01 -01	20,5	29,0
S6E 710-AR03 -01	20,5	22,0



Internal diameter of the wall ring at least 710 mm

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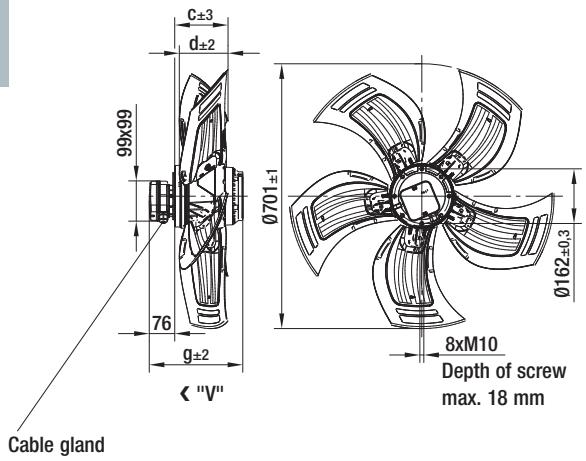
Ø 710 with motor M*D138, drawings for direction of air flow "V"

Without attachments

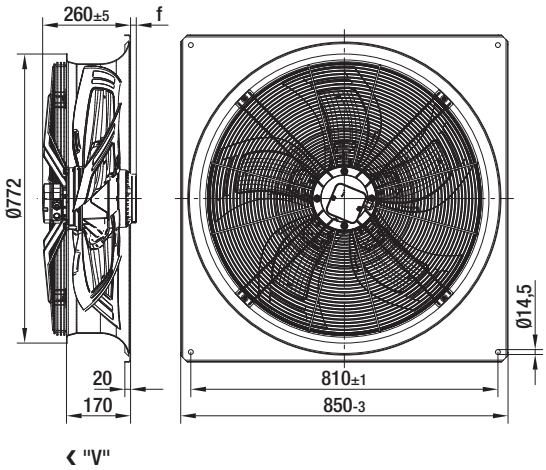
Type	Mass [kg]	c	d	g
A4D 710-AF01 -01	22,6	142,0	110,0	277,0
A6D 710-AH01 -01	18,8	148,0	126,0	252,0



Internal diameter of the wall ring at least 710 mm

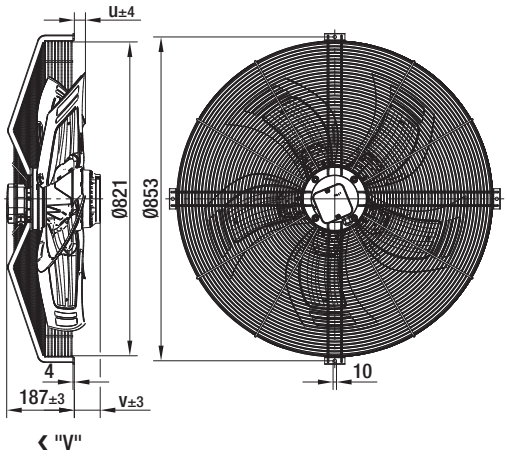
With full square nozzle

Type	Mass [kg]	f
W4D 710-GF01 -01	39,9	17,0
W6D 710-GH01 -01	36,7	---



With guard grille for short nozzle

Type	Mass [kg]	u	v
S4D 710-AF01 -01	30,5	31,0	90,0
S6D 710-AH01 -01	26,6	37,0	65,0



Internal diameter of the wall ring at least 710 mm