ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

EC axial fans - HyBlade®

Ø 710

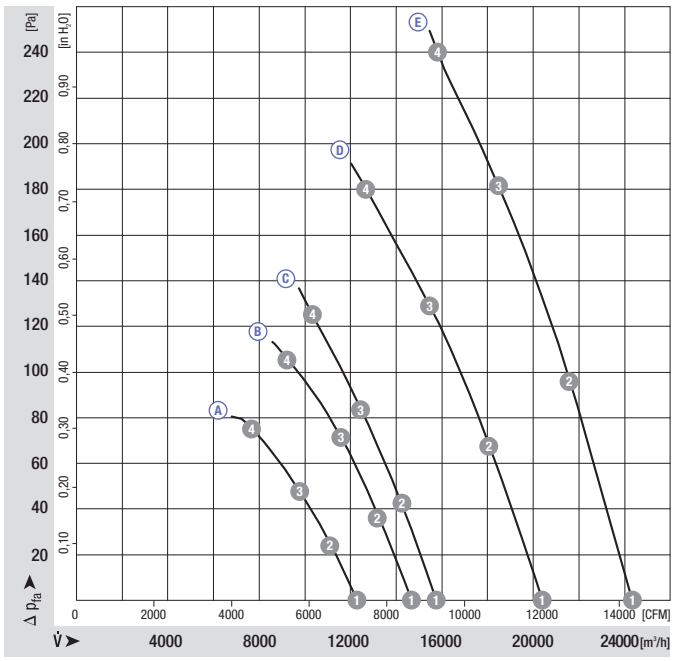
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades: Insertion part made of sheet aluminium, extrusion-coated in PP plastics
  Rotor: Coated in black
  Electronics enclosure: Die-cast aluminium, coated in black
- **Number of blades:** 5
- **Direction of rotation:** Ⓐ Ⓑ Ⓒ counter-clockwise, Ⓓ Ⓔ clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** Ⓐ Ⓑ Ⓒ "B" ("F" applying to the main components as per EN), Ⓓ Ⓔ "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		Blade angle	Curve	Nominal voltage range	Frequency	Speed/rpm(1)	Max. power input(1)	Max. current draw(1)	Max. operative range	Perm. amb. temp.	Mass without attachments	Technical features and electr. connections
Type	**Motor**			**VAC**	**Hz**	**rpm**	**kW**	**A**	**Pa**	**°C**	**kg**	
***3G 710**	M3G 112-GA	0°	Ⓐ	1~ 200-277	50/60	710	0,46	2,00	75	-25..+60	10,0	p. 36 / K1)
***3G 710**	M3G 112-IA	0°	Ⓑ	1~ 200-277	50/60	830	0,70	3,10	105	-25..+60	12,0	p. 37 / L3)
***3G 710**	M3G 112-IA	0°	Ⓒ	3~ 380-480	50/60	900	0,93	1,50	125	-25..+60	12,0	p. 39 / K3)
***3G 710**	M3G 150-FF	0°	Ⓓ	3~ 380-480	50/60	1030	1,72	2,70	180	-25..+65	21,3	p. 38 / L5)
***3G 710**	M3G 150-IF	0°	Ⓔ	3~ 380-480	50/60	1250	2,80	4,40	240	-25..+60	25,3	p. 38 / L5)

subject to alterations

(1) Nominal data in operating point with maximum load and 230 VAC or 400 VAC

Curves

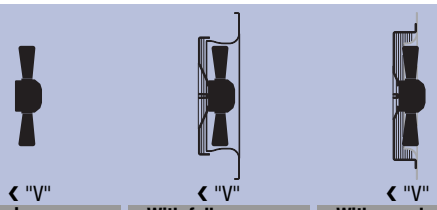


	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓐ 1	710	0,28	1,24	65
Ⓐ 2	710	0,34	1,51	64
Ⓐ 3	710	0,40	1,74	64
Ⓐ 4	710	0,46	2,00	72
Ⓑ 1	830	0,45	2,08	69
Ⓑ 2	830	0,55	2,49	67
Ⓑ 3	830	0,64	2,86	68
Ⓑ 4	830	0,70	3,10	76
Ⓒ 1	900	0,59	0,96	70
Ⓒ 2	900	0,70	1,12	69
Ⓒ 3	900	0,81	1,30	70
Ⓒ 4	900	0,93	1,50	77
Ⓓ 1	1030	1,31	2,00	74
Ⓓ 2	1030	1,46	2,22	73
Ⓓ 3	1030	1,61	2,45	74
Ⓓ 4	1030	1,72	2,70	79
Ⓔ 1	1250	2,15	3,30	79
Ⓔ 2	1250	2,44	3,71	79
Ⓔ 3	1250	2,67	4,06	79
Ⓔ 4	1250	2,80	4,40	83

ebmpapst

- **Technical features:** See electrical connections p. 36 ff.
- **EMC:** Ⓒ Ⓓ Ⓔ Interference emission acc. to EN 61000-6-3
  Ⓐ Ⓑ Interference emission acc. to EN 61000-6-4
  Interference immunity acc. to EN 61000-6-2
  Harmonics acc. to EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Ⓐ Ⓑ Ⓒ Variable
- **Optional terminal box design:** Ⓐ Ⓑ Ⓒ Electrical connection via terminal strip, see p. 34
- **Terminal box:** Ⓓ Ⓔ Electrical connection via terminal strip
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standards:** CE
- **Approvals:** VDE, CCC, GOST are applied for; UL, CSA on request

Direction of air flow



	Without attachments	With full square nozzle	With guard grille for short nozzle
"V"	A3G 710-AN48 -21*	W3G 710-GN48 -21	S3G 710-AN48 -21
"V"	A3G 710-AO85 -21*	W3G 710-GO85 -21	S3G 710-AO85 -21
"V"	A3G 710-AO81 -01*	W3G 710-GO81 -01	S3G 710-AO81 -01
"V"	A3G 710-AS30 -01	W3G 710-GS30 -01	S3G 710-AS30 -01
"V"	A3G 710-AU21 -01	W3G 710-GU21 -01	S3G 710-AU21 -01

*Optional terminal box design: Electrical connection via terminal strip, see p. 34

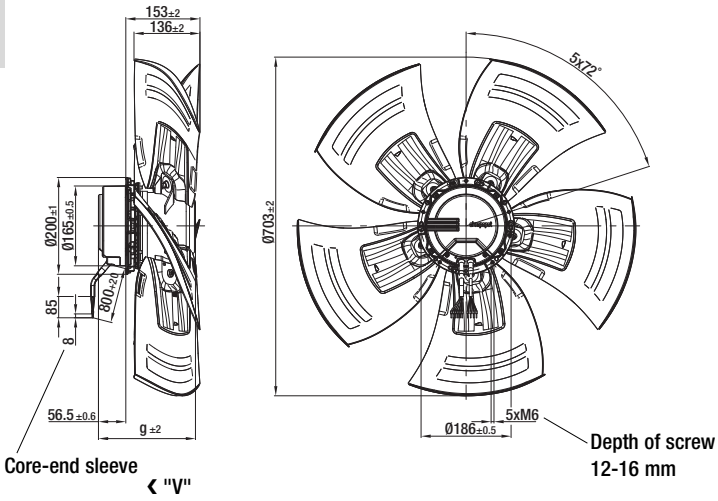
ВЕНТИЛЯТОРЫ.RU
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ
zakaz@ventilatorry.ru

EC axial fans - HyBlade®

Ø 710 with motor M3G112, drawings for direction of air flow "V"

Without attachments

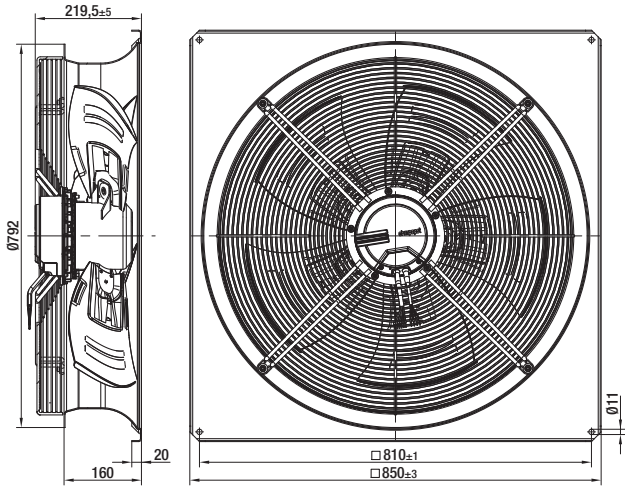
Type	Mass [kg]	g
A3G 710-AN48 -21	10,0	180,5
A3G 710-A085 -21	12,0	200,5
A3G 710-A081 -01	12,0	200,5



‹ "V"

With full square nozzle

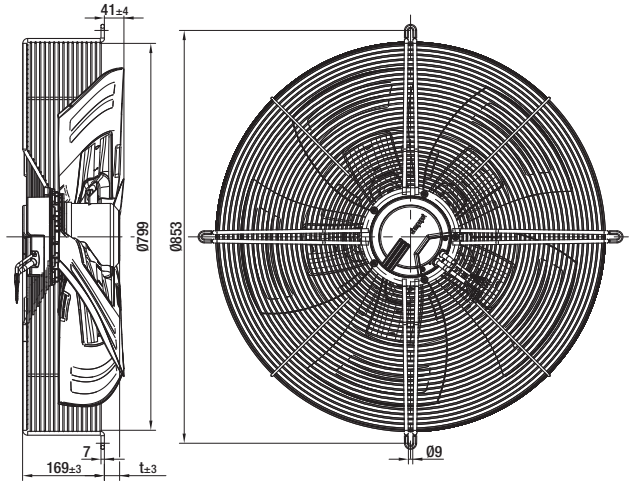
Type	Mass [kg]
W3G 710-GN48 -21	24,9
W3G 710-G085 -21	26,9
W3G 710-G081 -01	26,9



‹ "V"

With guard grille for short nozzle

Type	Mass [kg]	t
S3G 710-AN48 -21	16,8	11,5
S3G 710-A085 -21	18,8	31,5
S3G 710-A081 -01	18,8	31,5



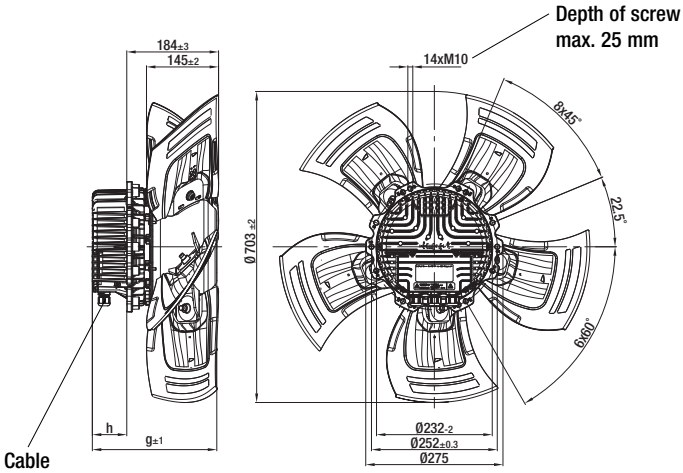
‹ "V"

EC axial fans - HyBlade®

Ø 710 with motor M3G150, drawings for direction of air flow "V"

Without attachments

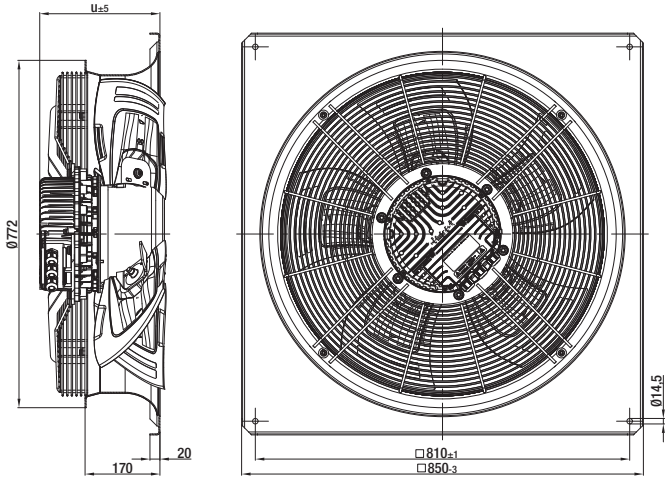
Type	Mass [kg]	g	h
A3G 710-AS30 -01	21,3	238,0	57,5
A3G 710-AU21 -01	25,3	250,5	70,0



‹ "V"

With full square nozzle

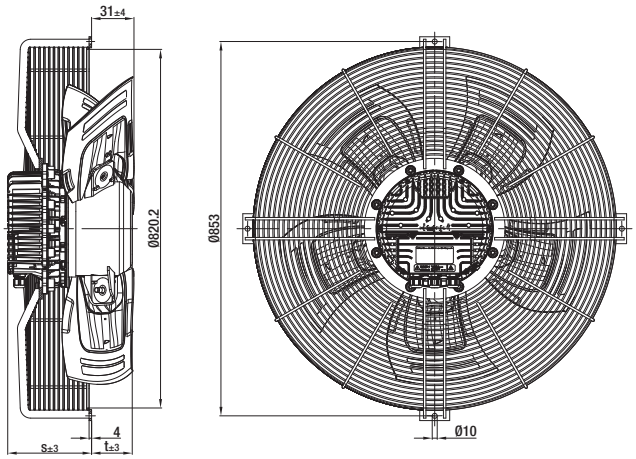
Type	Mass [kg]	u
W3G 710-GS30 -01	38,4	272,0
W3G 710-GU21 -01	42,4	284,5



‹ "V"

With guard grille for short nozzle

Type	Mass [kg]	s	t
S3G 710-AS30 -01	30,5	211,0	27,0
S3G 710-AU21 -01	34,5	223,5	27,0



‹ "V"