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МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

EC axial fans - HyBlade®

Ø 800

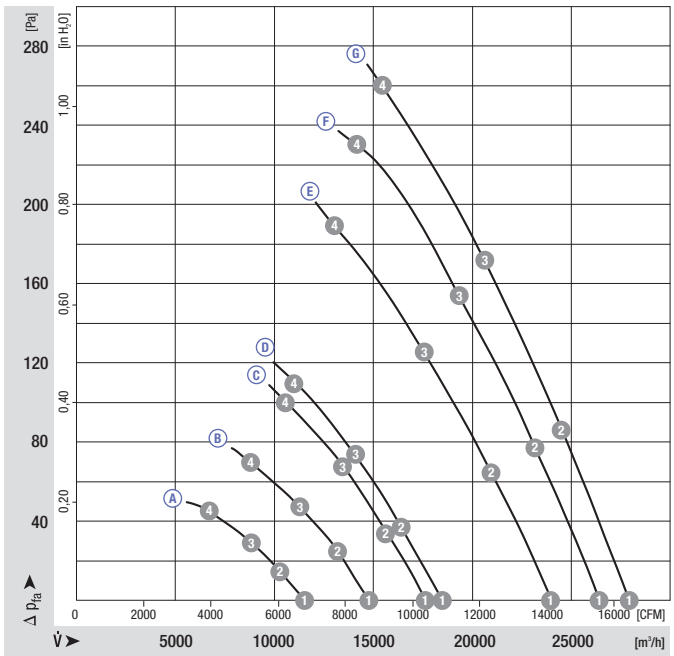
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades (5): Ⓐ Ⓑ Ⓒ Ⓓ Pressed-on round sheet steel plate; Ⓔ Ⓕ Ⓖ Insertion part made of sheet aluminium; Both versions extrusion-coated in PP plastics
  Rotor: Coated in black
  Electronics enclosure: Die-cast aluminium, coated in black
- **Direction of rotation:** 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 800**	M3G 112-EA	0°	Ⓐ	1~ 200-277	50/60	470	0,22	1,00	45	-25..+60	8,0	p. 36 / K1)
***3G 800**	M3G 112-GA	0°	Ⓑ	1~ 200-277	50/60	600	0,44	1,90	70	-25..+60	10,0	p. 36 / K1)
***3G 800**	M3G 112-IA	0°	Ⓒ	1~ 200-277	50/60	710	0,73	3,20	100	-25..+60	12,1	p. 37 / L3)
***3G 800**	M3G 112-IA	0°	Ⓓ	3~ 380-480	50/60	735	0,84	1,40	110	-25..+60	12,1	p. 39 / K3)
***3G 800**	M3G 150-GF	0°	Ⓔ	3~ 380-480	50/60	925	1,85	2,85	190	-25..+60	23,0	p. 38 / L5)
***3G 800**	M3G 150-IF	0°	Ⓕ	3~ 380-480	50/60	1020	2,56	3,90	230	-25..+60	25,9	p. 38 / L5)
***3G 800**	M3G 150-NA	0°	Ⓖ	3~ 380-480	50/60	1090	2,86	4,50	260	-25..+65	30,4	p. 38 / L5)

subject to alterations

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

Curves

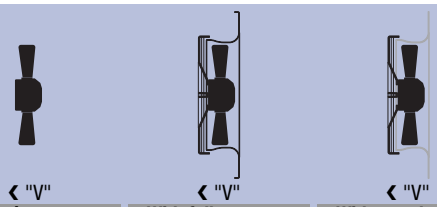


	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓐ 1	470	0,14	0,85	59
Ⓐ 2	470	0,17	0,99	57
Ⓐ 3	470	0,19	0,95	54
Ⓐ 4	470	0,22	1,00	59
Ⓑ 1	600	0,29	1,27	64
Ⓑ 2	600	0,34	1,51	61
Ⓑ 3	600	0,38	1,69	59
Ⓑ 4	600	0,44	1,90	65
Ⓒ 1	710	0,45	2,08	69
Ⓒ 2	710	0,55	2,49	66
Ⓒ 3	710	0,63	2,84	64
Ⓒ 4	710	0,73	3,20	70
Ⓓ 1	735	0,52	0,88	70
Ⓓ 2	735	0,62	1,02	66
Ⓓ 3	735	0,72	1,18	64
Ⓓ 4	735	0,84	1,40	70

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 full nozzle
"V"	A3G 800-AM67 -21*	W3G 800-GM67 -21	S3G 800-BM67 -21
"V"	A3G 800-AN36 -21*	W3G 800-GN36 -21	S3G 800-BN36 -21
"V"	A3G 800-AO81 -21*	W3G 800-GO81 -21	S3G 800-BO81 -21
"V"	A3G 800-AO84 -01*	W3G 800-GO84 -01	S3G 800-BO84 -01
"V"	A3G 800-AT21 -01	W3G 800-GT21 -01	S3G 800-BT21 -01
"V"	A3G 800-AU25 -01	W3G 800-GU25 -01	S3G 800-BU25 -01
"V"	A3G 800-AV01 -01	W3G 800-GV01 -01	S3G 800-BV01 -01

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

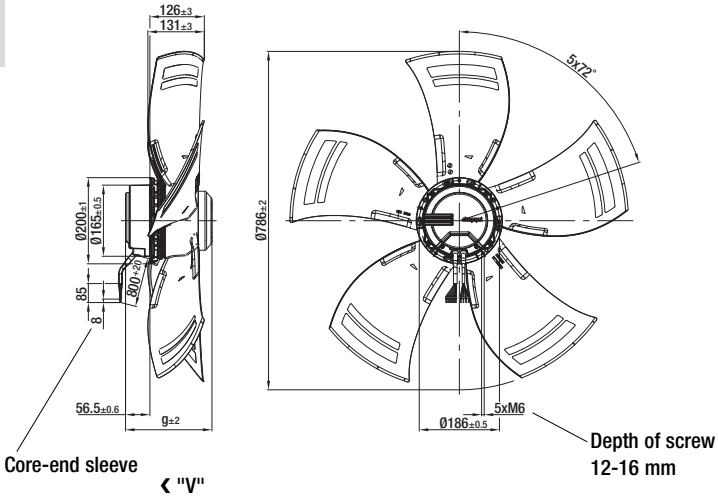
		n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓔ	1	925	1,18	1,81	72
Ⓔ	2	925	1,39	2,12	72
Ⓔ	3	925	1,59	2,42	74
Ⓔ	4	925	1,85	2,85	80
Ⓕ	1	1020	1,62	2,47	75
Ⓕ	2	1020	1,88	2,88	75
Ⓕ	3	1020	2,15	3,29	77
Ⓕ	4	1020	2,56	3,90	85
Ⓖ	1	1090	1,87	2,84	76
Ⓖ	2	1090	2,18	3,32	76
Ⓖ	3	1090	2,50	3,81	78
Ⓖ	4	1090	2,86	4,50	85

EC axial fans - HyBlade®

Ø 800 with motor M3G112, drawings for direction of air flow "V"

Without attachments

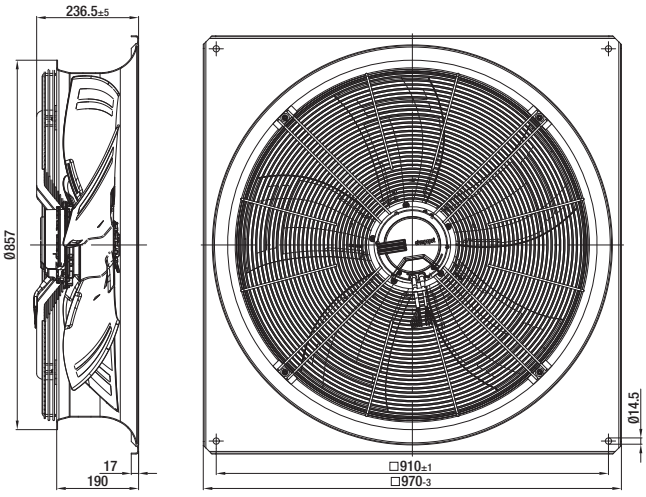
Type	Mass [kg]	g
A3G 800-AM67 -21	8,0	160,5
A3G 800-AN36 -21	10,0	180,5
A3G 800-A081 -21	12,1	200,5
A3G 800-A084 -01	12,1	200,5



❮ "V"

With full square nozzle

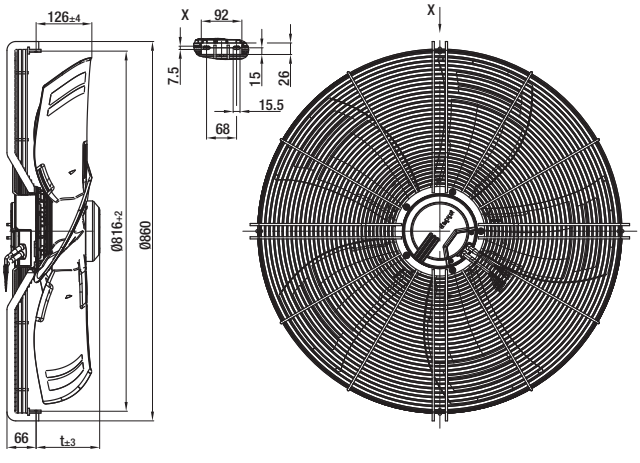
Type	Mass [kg]
W3G 800-GM67 -21	29,2
W3G 800-GN36 -21	31,2
W3G 800-G081 -21	33,3
W3G 800-G084 -01	33,3



❮ "V"

With guard grille for full nozzle

Type	Mass [kg]	t
S3G 800-BM67 -21	14,2	104,0
S3G 800-BN36 -21	16,2	124,0
S3G 800-B081 -21	18,3	144,0
S3G 800-B084 -01	18,3	144,0



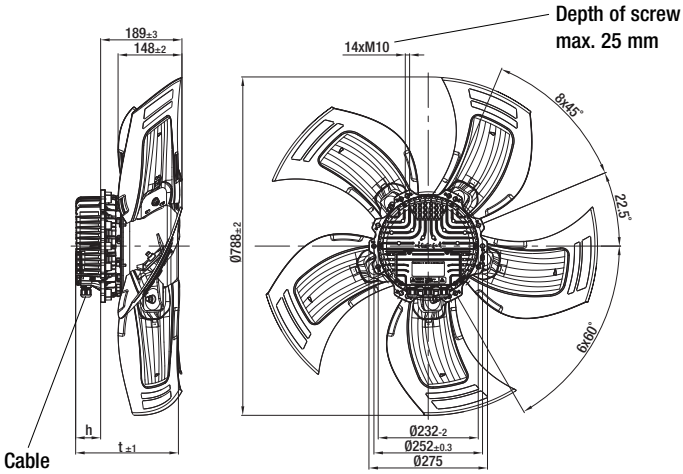
❮ "V"

EC axial fans - HyBlade®

Ø 800 with motor M3G150, drawings for direction of air flow "V"

Without attachments

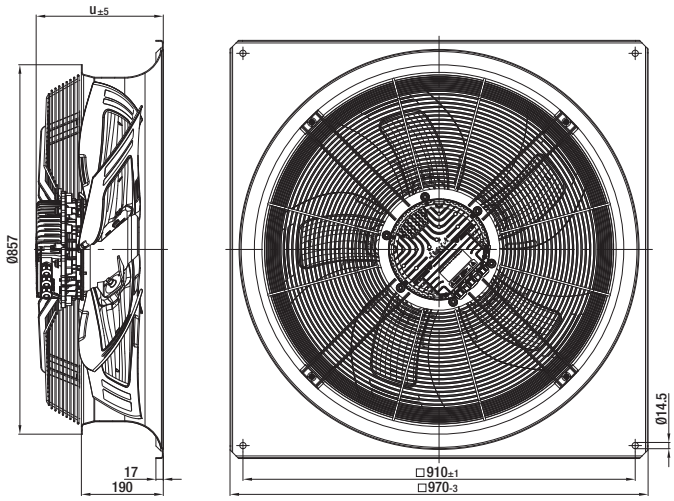
Type	Mass [kg]	g	h
A3G 800-AT21 -01	23,0	238,0	57,5
A3G 800-AU25 -01	25,9	250,5	70,0
A3G 800-AV01 -01	30,4	289,5	70,0



‹ "V"

With full square nozzle

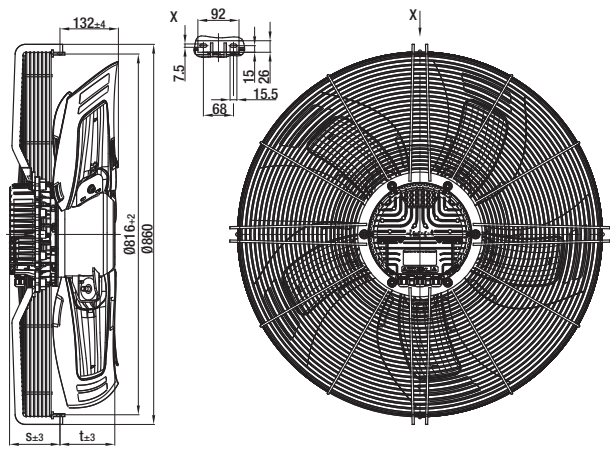
Type	Mass [kg]	u
W3G 800-GT21 -01	42,8	294,5
W3G 800-GU25 -01	45,7	307,0
W3G 800-GV01 -01	50,2	307,0



‹ "V"

With guard grille for full nozzle

Type	Mass [kg]	s	t
S3G 800-BT21 -01	30,8	114,0	124,0
S3G 800-BU25 -01	33,7	126,5	124,0
S3G 800-BV01 -01	38,2	126,5	163,0



‹ "V"