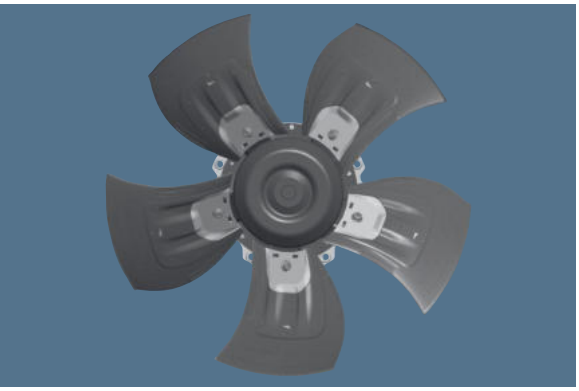
EC axial fans - HyBlade®

Ø 630



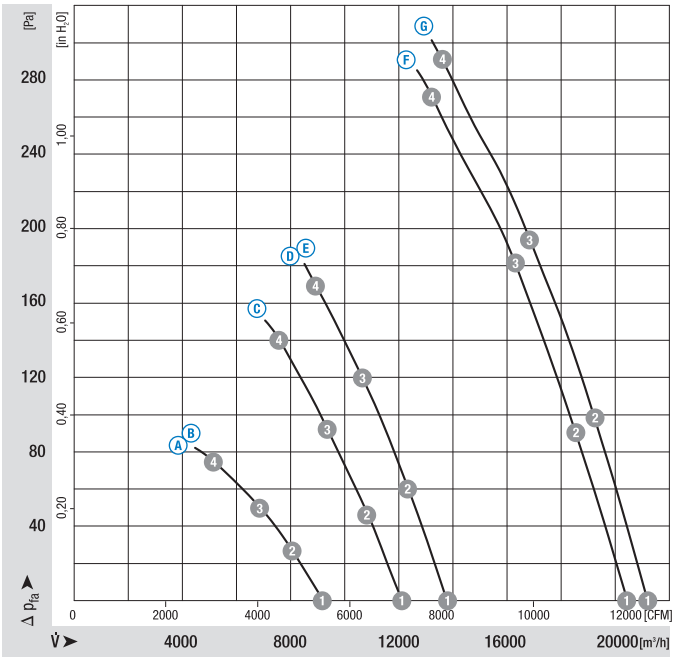
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic
  Blades (5): Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Pressed-on round sheet steel plate; Ⓕ Ⓖ Insertion part made of sheet aluminium; Both versions extrusion-coated in PP plastics
  Rotor: Coated in black
  Electronics enclosure: Die-cast aluminium, Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ coated in black additionally
- **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 630**	M3G 084-GF	0°	Ⓐ	1~ 100-130	50/60	800	0,28	2,40	75	-25..+60	6,3	p. 36 / K1)
***3G 630**	M3G 084-GF	0°	Ⓑ	1~ 200-277	50/60	800	0,28	1,20	75	-25..+60	6,3	p. 36 / K1)
***3G 630**	M3G 112-GA	-5°	Ⓒ	1~ 200-277	50/60	1000	0,72	3,20	140	-25..+60	9,3	p. 37 / L3)
***3G 630**	M3G 112-IA	-5°	Ⓓ	3~ 200-240	50/60	1140	0,97	3,20	170	-25..+60	11,3	p. 39 / K3)
***3G 630**	M3G 112-IA	-5°	Ⓔ	3~ 380-480	50/60	1140	0,97	1,60	170	-25..+60	11,3	p. 39 / K3)
***3G 630**	M3G 150-IF	0°	Ⓕ	3~ 200-240	50/60	1450	2,95	8,90	270	-25..+60	24,4	p. 38 / L5)
***3G 630**	M3G 150-IF	0°	Ⓖ	3~ 380-480	50/60	1510	3,20	5,00	290	-25..+65	24,4	p. 38 / L5)

subject to alterations

(1) Nominal data in operating point with maximum load and 115 VAC or 230 VAC or 400 VAC

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!

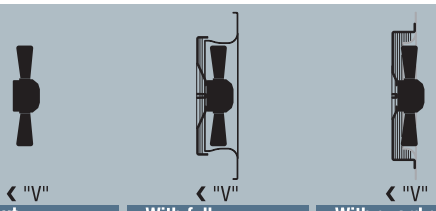
For detailed information see page 40 ff.

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓐ 1	800	0,18	1,64	65
Ⓐ 2	800	0,23	2,04	63
Ⓐ 3	800	0,27	2,34	63
Ⓐ 4	800	0,28	2,40	66
Ⓑ 1	800	0,18	0,82	65
Ⓑ 2	800	0,23	1,02	63
Ⓑ 3	800	0,27	1,17	63
Ⓑ 4	800	0,28	1,20	66
Ⓒ 1	1000	0,46	2,11	71
Ⓒ 2	1000	0,55	2,51	68
Ⓒ 3	1000	0,64	2,88	68
Ⓒ 4	1000	0,72	3,20	71
Ⓓ 1	1140	0,64	2,04	74
Ⓓ 2	1140	0,78	2,50	71
Ⓓ 3	1140	0,89	2,84	72
Ⓓ 4	1140	0,97	3,20	74

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- **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
- **Terminal box:** Ⓕ Ⓖ Electrical connection via terminal strip
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standards:** CE
- **Approvals:** Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ GOST; UL/CSA are applied for; CCC on request
  Ⓖ GOST, UL/CSA; CCC on request

Direction of air flow



	Without attachments	With full square nozzle	With guard grille for short nozzle
"V"	on request	W3G 630-GD10 -41	on request
"V"	A3G 630-AD03 -A1	W3G 630-GD03 -A1	S3G 630-AD03 -A1
"V"	A3G 630-AQ37 -21	W3G 630-GQ37 -21	S3G 630-AQ37 -21
"V"	on request	W3G 630-GR92 -11	on request
"V"	A3G 630-AR85 -01	W3G 630-GR85 -01	S3G 630-AR85 -01
"V"	on request	W3G 630-GU29 -11	on request
"V"	A3G 630-AU23 -01	W3G 630-GU23 -01	S3G 630-AU23 -01

Direction of air flow "A" on request

	n [rpm]	P_1 [kW]	I [A]	Lw_A [dB(A)]
Ⓔ 1	1140	0,64	1,02	74
Ⓔ 2	1140	0,78	1,25	71
Ⓔ 3	1140	0,89	1,42	72
Ⓔ 4	1140	0,97	1,60	74
Ⓕ 1	1450	2,24	6,80	81
Ⓕ 2	1450	2,45	7,50	80
Ⓕ 3	1450	2,67	8,20	80
Ⓕ 4	1450	2,95	8,90	84
Ⓖ 1	1510	2,49	3,77	81
Ⓖ 2	1510	2,74	4,18	81
Ⓖ 3	1510	2,94	4,47	81
Ⓖ 4	1510	3,20	5,00	85

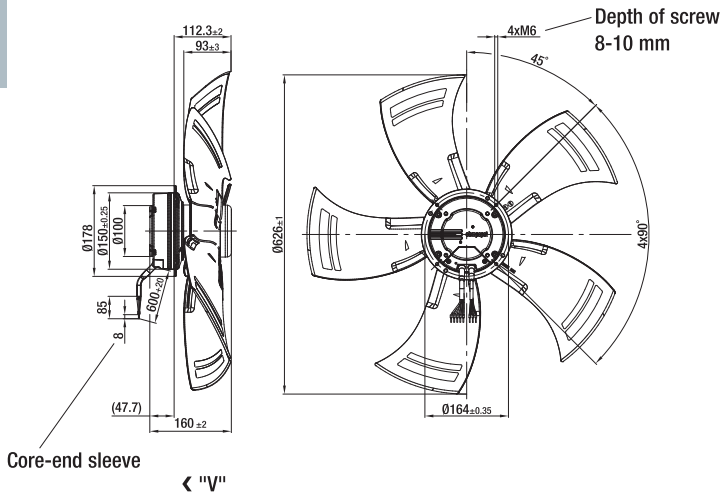
EC axial fans - HyBlade®

Ø 630 with motor M3G084, drawings for direction of air flow "V"



Without attachments

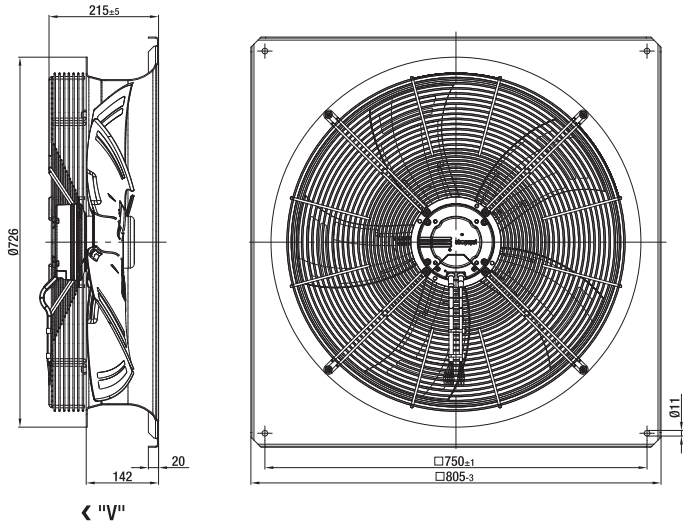
	Type	Mass [kg]
Ⓐ	on request	6,3
Ⓑ	A3G 630-AD03 -A1	6,3



Internal diameter of the wall ring at least 634 mm

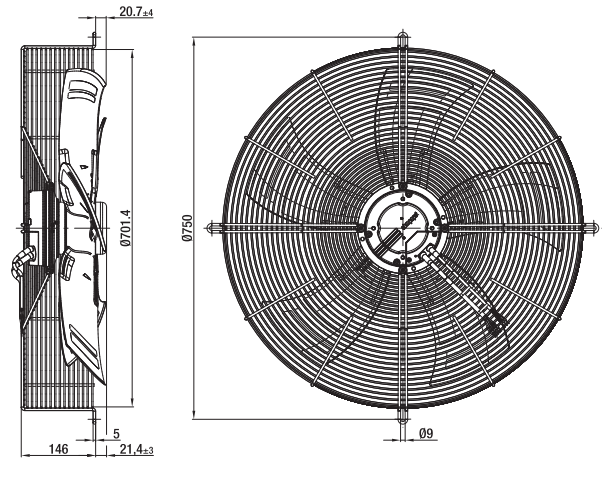
With full square nozzle

	Type	Mass [kg]
Ⓐ	W3G 630-GD10 -41	20,4
Ⓑ	W3G 630-GD03 -A1	20,4



With guard grille for short nozzle

	Type	Mass [kg]
Ⓐ	on request	10,6
Ⓑ	S3G 630-AD03 -A1	10,6



Internal diameter of the wall ring at least 634 mm

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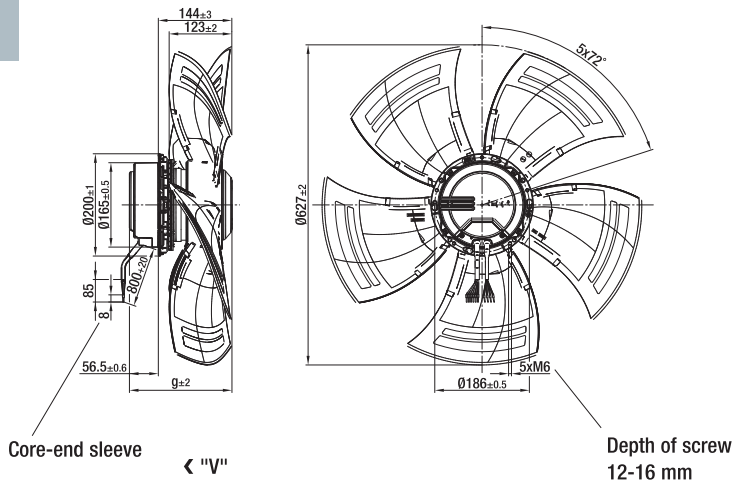
EC axial fans - HyBlade®

Ø 630 with motor M3G112, drawings for direction of air flow "V"



Without attachments

	Type	Mass [kg]	g
Ⓒ	A3G 630-AQ37 -21	9,3	180,5
Ⓓ	on request	11,3	200,5
Ⓔ	A3G 630-AR85 -01	11,3	200,5

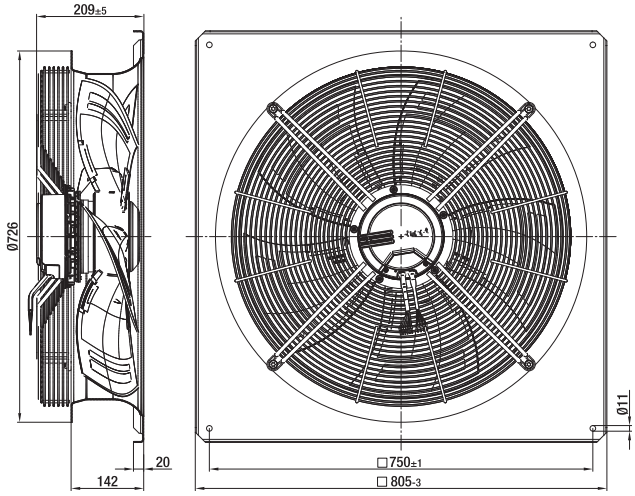


‹ "V"

Internal diameter of the wall ring at least 634 mm

With full square nozzle

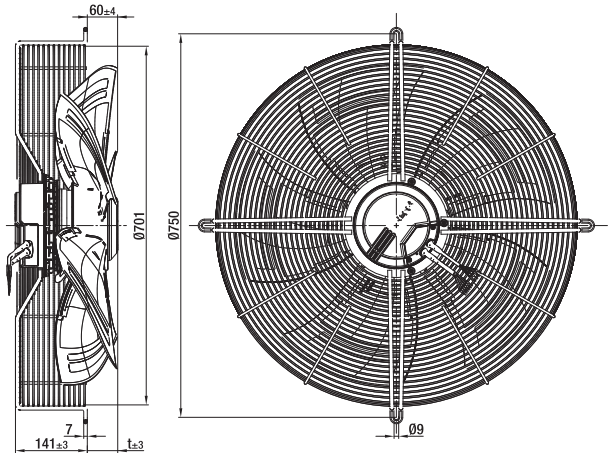
	Type	Mass [kg]
Ⓒ	W3G 630-GQ37 -21	24,3
Ⓓ	W3G 630-GR92 -11	26,3
Ⓔ	W3G 630-GR85 -01	26,3



‹ "V"

With guard grille for short nozzle

	Type	Mass [kg]	t
Ⓒ	S3G 630-AQ37 -21	14,6	39,5
Ⓓ	on request	16,6	59,5
Ⓔ	S3G 630-AR85 -01	16,6	59,5



‹ "V"

Internal diameter of the wall ring at least 634 mm

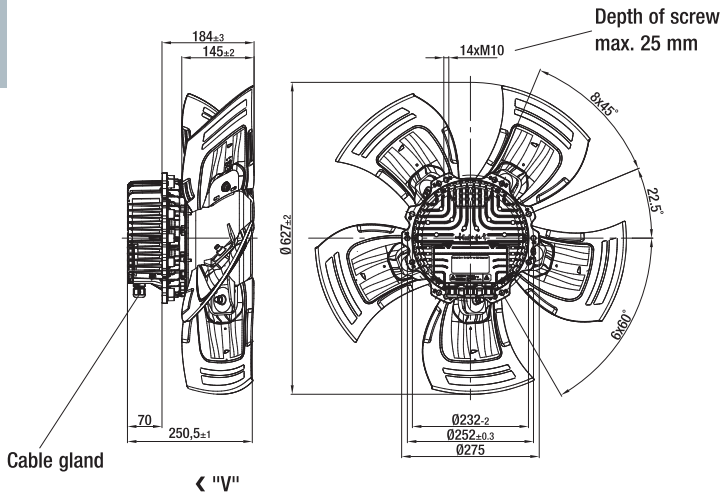
EC axial fans - HyBlade®

Ø 630 with motor M3G150, drawings for direction of air flow "V"



Without attachments

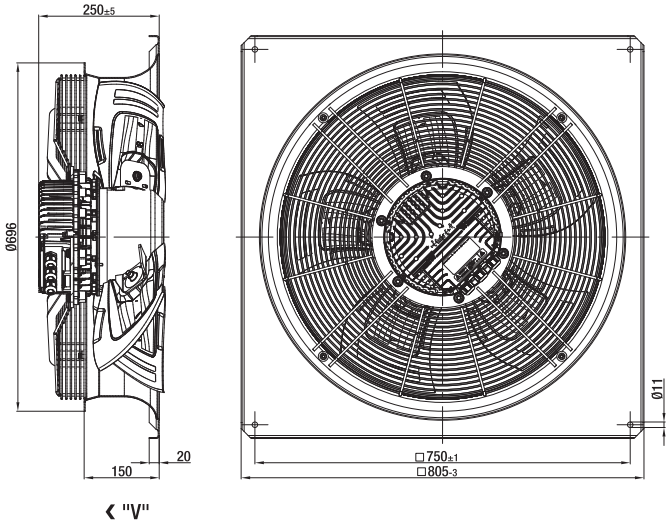
Type	Mass [kg]
Ⓕ on request	24,4
Ⓖ A3G 630-AU23 -01	24,4



Internal diameter of the wall ring at least 634 mm

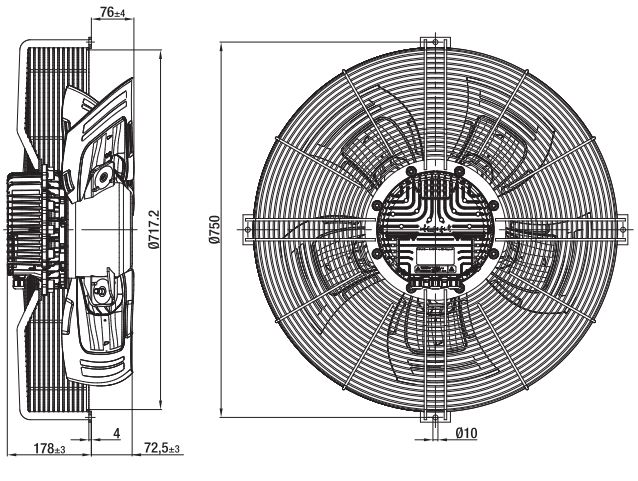
With full square nozzle

Type	Mass [kg]
Ⓕ W3G 630-GU29 -11	39,5
Ⓖ W3G 630-GU23 -01	39,5



With guard grille for short nozzle

Type	Mass [kg]
Ⓕ on request	31,5
Ⓖ S3G 630-AU23 -01	31,5



Internal diameter of the wall ring at least 634 mm

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