ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

ErP2015 EXCEEDS THE NORM

EC axial fans - HyBlade®

Ø 400

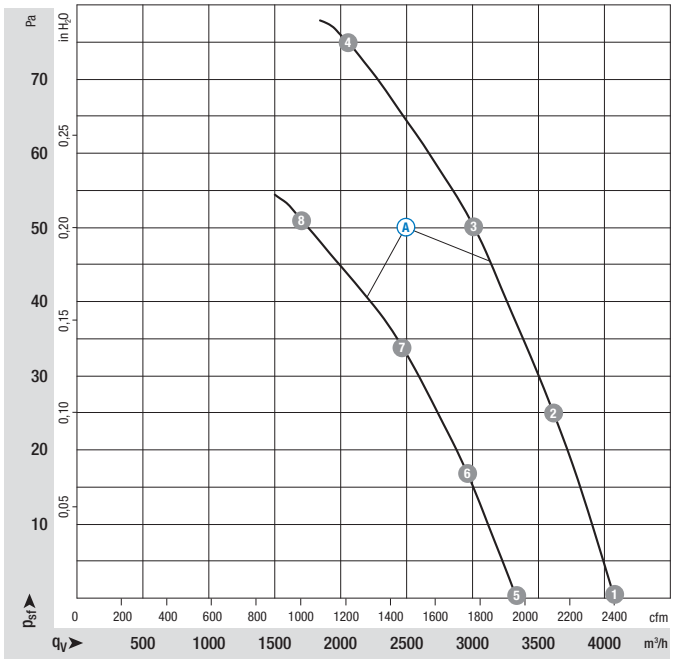
- **Material:** Guard grille: Steel, phosphated and coated in black plastic (RAL9005)
  Wall ring: Sheet steel, pre-galvanised and coated in black plastic (RAL9005)
  Blades: Plastic PP
  Rotor: Ⓐ Ⓑ Surface passivated; Ⓒ Surface coated in black
  Electronics enclosure: Die-cast aluminium
- **Number of blades:** 5
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** Ⓐ Ⓑ IP 54; Ⓒ IP 54 (acc. to EN 60529)
- **Insulation class:** "B"
- **Mounting position:** Ⓐ Ⓑ Any; Ⓒ Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Ⓐ Ⓑ None, open rotor; Ⓒ Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage range	Frequency	Speed/rpm(1)	Max. input power(1)	Max. current draw(1)	Max. back pressure	Perm. amb. temp.	Mass without attachments	2-stages / 0-10 V	Technical features and electr. connection
Type	**Motor**		**VAC**	**Hz**	**rpm**	**W**	**A**	**Pa**	**°C**	**kg**		
***3G 400**	M3G 074-CF	Ⓐ	1~ 200-240	50/60	1080	140	1,15	75	-25..+60	2,3	2 Speed stages	p. 56 / H3)
***3G 400**	M3G 074-CF	Ⓑ	1~ 200-240	50/60	1080	140	1,15	75	-25..+60	2,3	Speed-controlled	p. 57 / H4)
***3G 400**	M3G 084-FA	Ⓒ	1~ 200-277	50/60	1630	400	2,60	160	-25..+60	4,7	Speed-controlled	p. 58 / K1)

subject to alterations

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

Curves (2 Speed stages)



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: L_{WA} as per ISO 13347, L_{pA} 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!

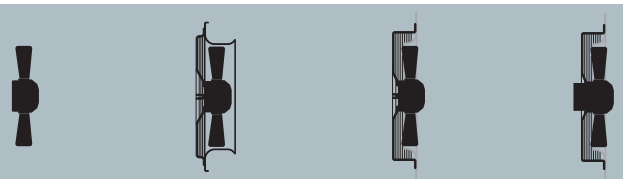
For detailed information see page 62 ff.

		n rpm	P_e W	I A	L_{WA} dB(A)
Ⓐ	1	1135	116	0,97	69
Ⓐ	2	1115	126	1,05	67
Ⓐ	3	1100	131	1,07	64
Ⓐ	4	1080	140	1,15	67
Ⓐ	5	930	64	0,60	65
Ⓐ	6	915	69	0,61	63
Ⓐ	7	905	73	0,64	59
Ⓐ	8	890	78	0,69	63

ebmpapst

- **Technical features:** See electrical connections p. 60 ff.
- **EMC:** Inerference immunity acc. to EN 61000-6-2 (industrial environment)
  Harmonics acc. to EN 61000-3-2/3
  Interference emission acc. to EN 61000-6-3 (household environment)
  On account of the installation conditions, ferritic damping in the connection line may be required for the application.
- **Leakage current:** < 3,5 mA Ⓐ Ⓑ acc. to EN 60335-1; Ⓒ acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Terminal box design:** Electrical connection via terminal strip
- **Protection class:** I; Ⓒ acc. to EN 61800-5-1
- **Product conforming to standards:** Ⓐ Ⓑ EN 60335-1; Ⓒ EN 61800-5-1; CE
- **Approvals:** Ⓐ Ⓑ VDE, cURus on request; Ⓒ CSA; UL

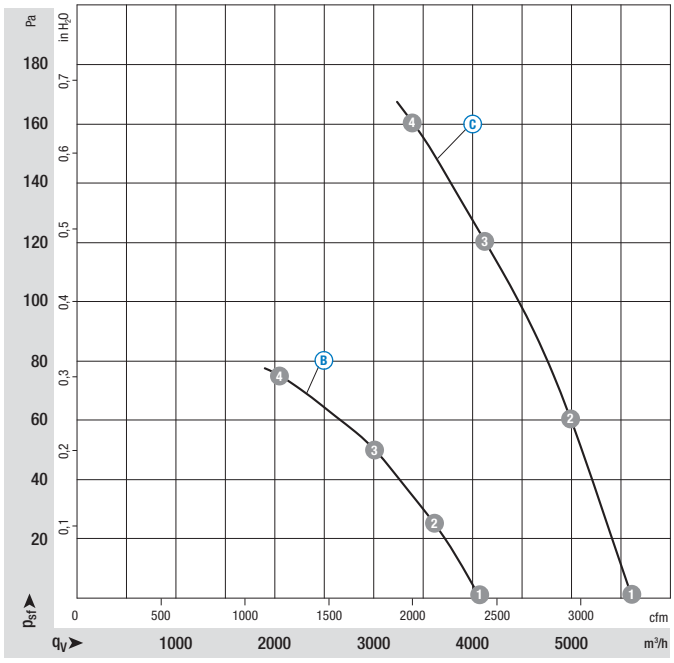
Direction of air flow



	❮ "V" Without attachments	❮ "V" With full round nozzle	❮ "V" With guard grille for short nozzle	❮ "V" With guard grille for short nozzle and mounted terminal box
"V"	A3G 400-AN04 -01	W3G 400-CN04 -30	S3G 400-AN04 -30	S3G 400-AN04 -50*
"V"	A3G 400-AN04 -03	W3G 400-CN04 -32	S3G 400-AN04 -32	S3G 400-AN04 -52*
"V"	A3G 400-AC22 -51	W3G 400-CC22 -51	S3G 400-LC22 -51	S3G 400-LC22 -59*

Direction of air flow "A" on request *Terminal box design: Electrical connection via terminal strip

Curves (Speed-controlled)



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: L_{WA} as per ISO 13347, L_{pA} measured at 1 m distance to fan axis

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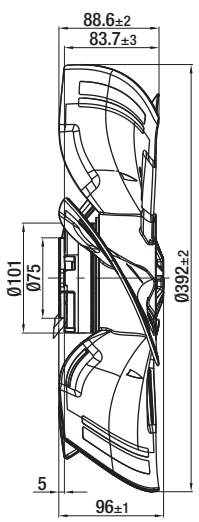
Ⓑ	2	1115	126	1,05	67
Ⓑ	3	1100	131	1,07	64
Ⓑ	4	1080	140	1,15	67
Ⓒ	1	1660	350	2,24	78
Ⓒ	2	1645	380	2,43	76
Ⓒ	3	1635	391	2,50	72
Ⓒ	4	1630	400	2,60	74

EC axial fans - HyBlade®

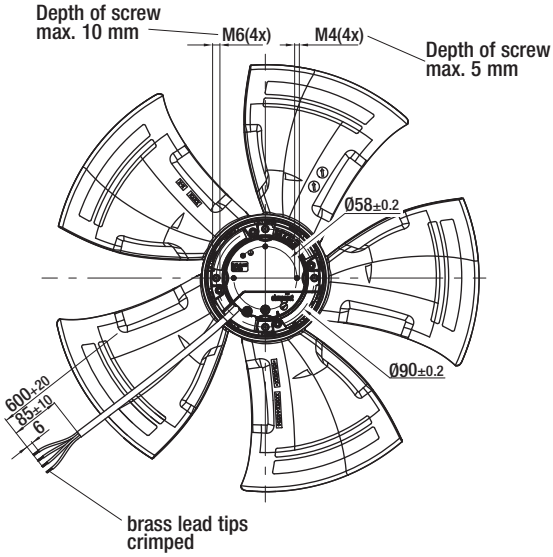
Ø 400 with motor M3G 074, 2 Speed stages, drawings for direction of air flow "V"

Without attachments

Type	Mass kg
A3G 400-AN04 -01	2,3



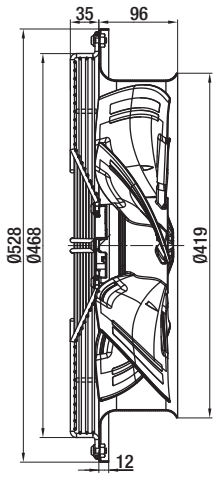
‹ "V"



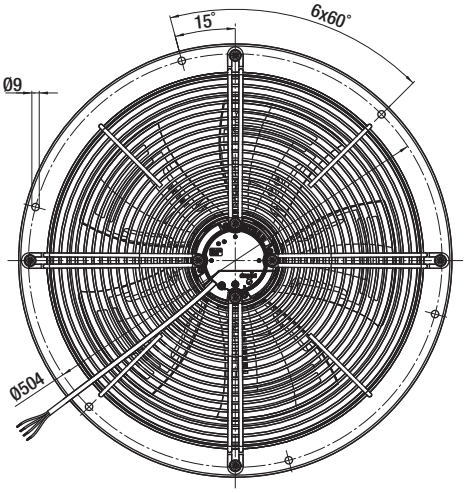
Internal diameter of the wall ring at least 400 mm

With full round nozzle

Type	Mass kg
W3G 400-CN04 -30	6,1

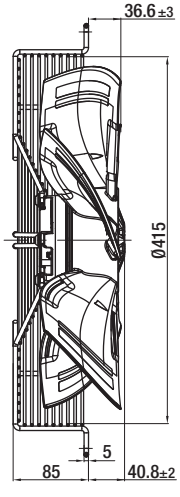


‹ "V"

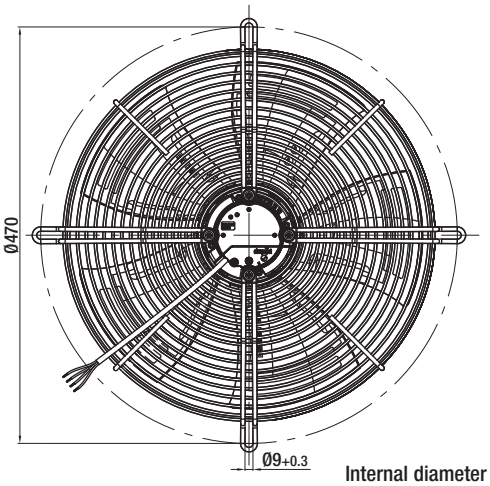


With guard grille for short nozzle

Type	Mass kg
S3G 400-AN04 -30	4,10
S3G 400-AN04 -50*	4,25



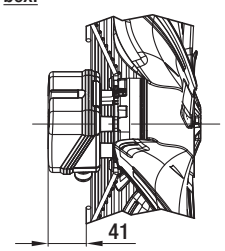
‹ "V"

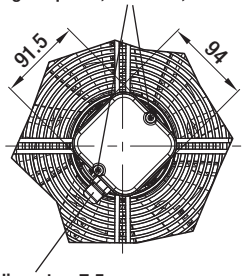


Internal diameter of the wall ring at least 400 mm

*Type with terminal box:

Tightening torque: 0,8 Nm ± 0,15 Nm





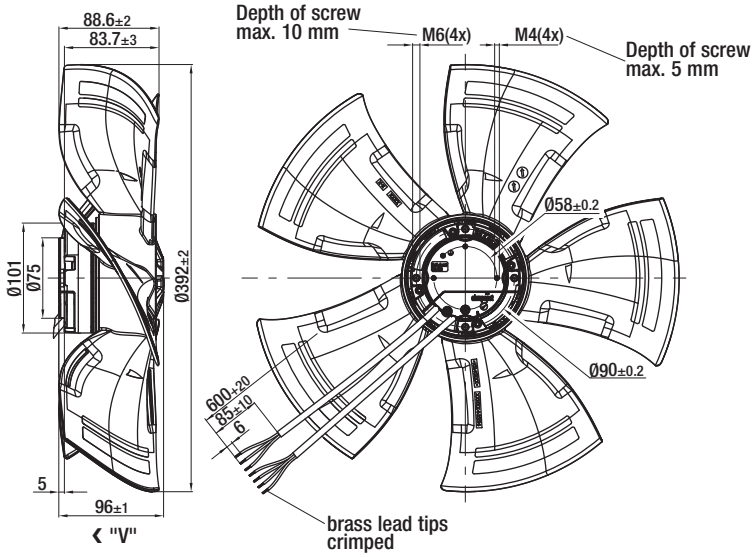
Cable diameter: 7,5 mm
Tightening torque: 2,0 Nm ± 0,3 Nm

EC axial fans - HyBlade®

Ø 400 with motor M3G 074, Speed-controlled, drawings for direction of air flow "V"

Without attachments

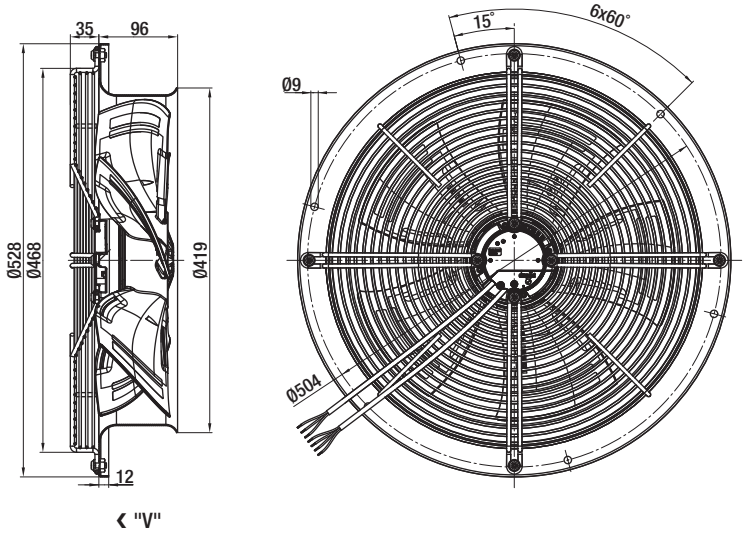
Type	Mass kg
A3G 400-AN04 -03	2,3



Internal diameter of the wall ring at least 400 mm

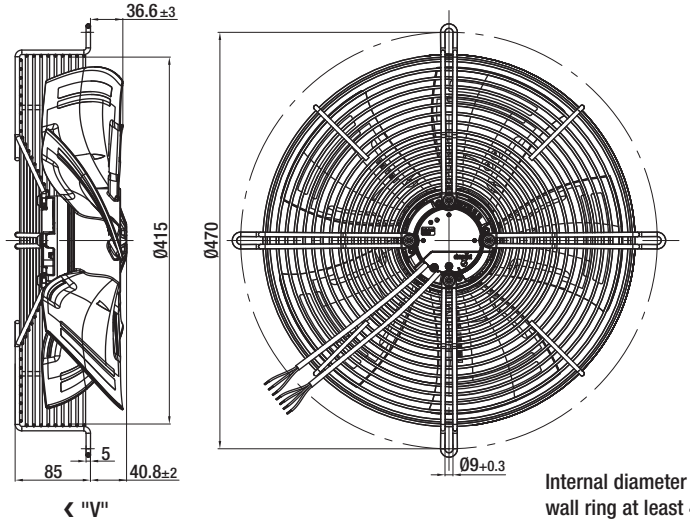
With full round nozzle

Type	Mass kg
W3G 400-CN04 -32	6,1



With guard grille for short nozzle

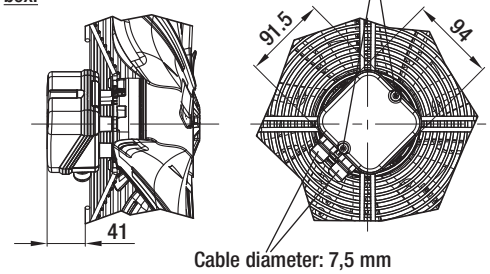
Type	Mass kg
S3G 400-AN04 -32	4,10
S3G 400-AN04 -52*	4,25



Internal diameter of the wall ring at least 400 mm

*Type with terminal box:

Tightening torque: 0,8 Nm ± 0,15 Nm



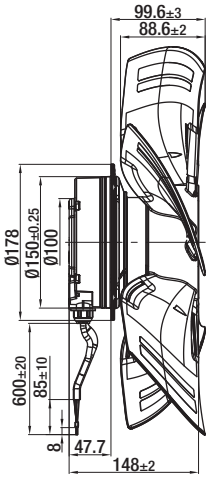
Cable diameter: 7,5 mm
Tightening torque: 2,0 Nm ± 0,3 Nm

EC axial fans - HyBlade®

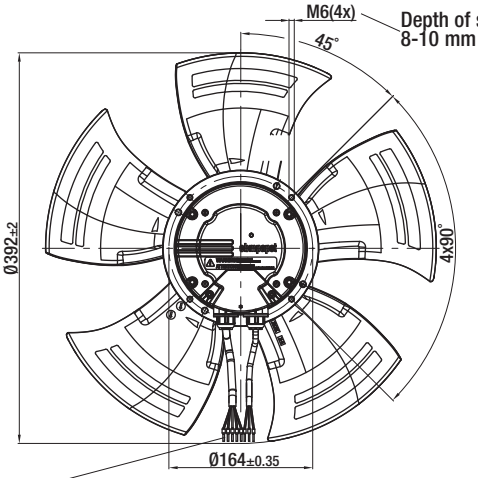
Ø 400 with motor M3G 084, Speed-controlled, drawings for direction of air flow "V"

Without attachments

Type	Mass kg
A3G 400-AC22 -51	4,7



"V"

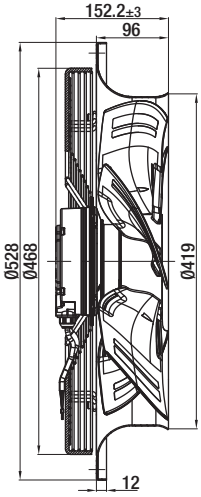


Core-end sleeve crimped

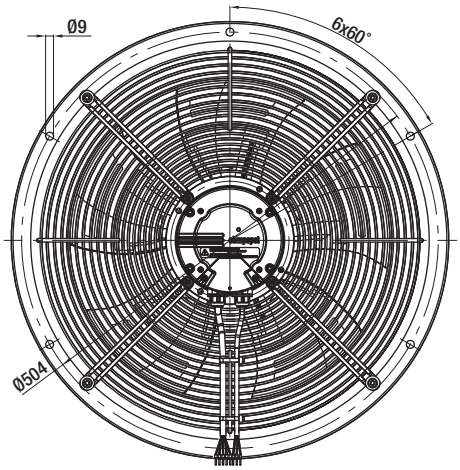
Internal diameter of the wall ring at least 400 mm

With full round nozzle

Type	Mass kg
W3G 400-CC22 -51	8,5

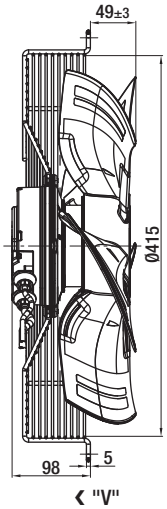


"V"

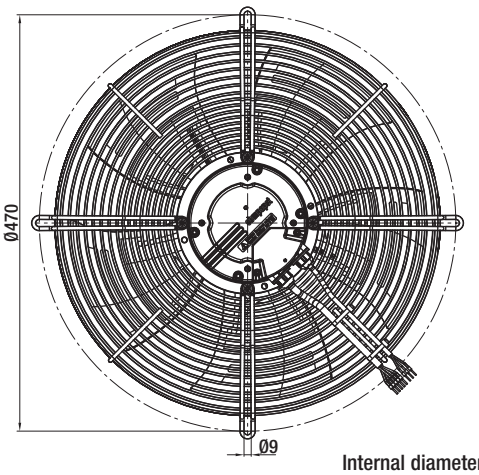


With guard grille for short nozzle

Type	Mass kg
S3G 400-LC22 -51	6,40
S3G 400-LC22 -59*	6,55



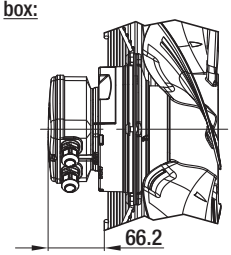
"V"

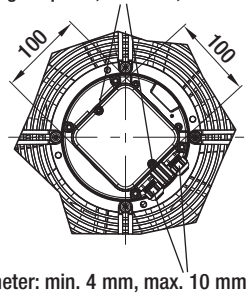


Internal diameter of the wall ring at least 400 mm

*Type with terminal box:

Tightening torque: 1,5 Nm ± 0,2 Nm





Cable diameter: min. 4 mm, max. 10 mm
Tightening torque: 2,5 Nm ± 0,4 Nm