ВЕНТИЛЯТОРЫ.RU
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ
zakaz@ventilatorry.ru

ErP2015 EXCEEDS THE NORM

EC axial fans – HyBlade®

Ø 250, including compact fan

- **Material:** Guard grille: Steel, coated with black plastic (RAL 9005)
  Fan housing: Sheet steel, galvanized and coated with black plastic (RAL 9005)
  Compact fan housing: Die-cast aluminum
  Blades: PP plastic
  Rotor: Thick-film passivated
  Electronics housing: Die-cast aluminum
- **Number of blades:** 7
- **Direction of rotation:** Counterclockwise viewed toward rotor
- **Degree of protection:** IP54(2)
- **Insulation class:** "B"
- **Installation position:** Any
- **Condensation drain holes:** None, open rotor
- **Mode:** Continuous operation (S1)
- **Mounting:** Maintenance-free ball bearings

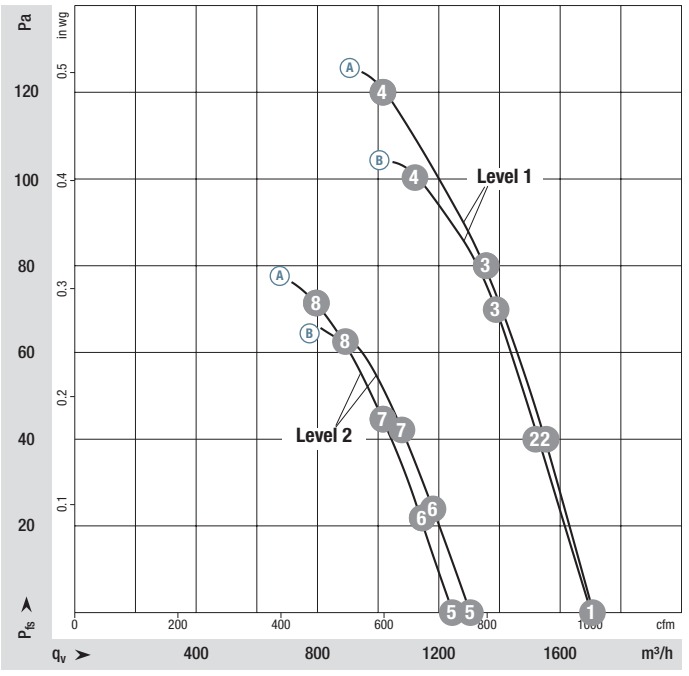
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed(1)	Max. input power(1)	Max. input current(1)	Max. back pressure	Perm. ambient temp.	2-speed / 0-10 V	Techn. features and connection diagram
			VAC	Hz	rpm	W	A	Pa	°C		
*3G 250 (2)	M3G 055-CF	A	1~200-240	50/60	2330	83	0,72	120	-25..+60	2 speed levels	P. 128 / H3)
*3G 250 (2)	M3G 055-CF	B	1~200-240	50/60	2330	83	0,72	100	-25..+60	2 speed levels	P. 128 / H3)
*3G 250 (2)	M3G 055-CF	C	1~200-240	50/60	2330	83	0,72	120	-25..+60	Open-loop speed control	P. 129 / H4)
*3G 250 (2)	M3G 055-CF	D	1~200-240	50/60	2330	83	0,72	100	-25..+60	Open-loop speed control	P. 129 / H4)

Subject to change

(1) Nominal data at operating point with maximum load and 230 VAC (2) Not suitable for constant outdoor use, special version available on request.

Curves:
2 speed levels



		n rpm	Ped W	I A	LWA dB(A)
A 1	Level 1	2480	70	0,63	71
A 2	Level 1	2425	79	0,67	70
A 3	Level 1	2385	84	0,71	71
A 4	Level 1	2330	83	0,72	74
A 5	Level 2	1860	30	0,30	62
A 6	Level 2	1840	33	0,32	63
A 7	Level 2	1820	36	0,35	63
A 8	Level 2	1805	39	0,37	67
B 1	Level 1	2465	67	0,59	69
B 2	Level 1	2410	75	0,65	69
B 3	Level 1	2375	81	0,68	68
B 4	Level 1	2330	83	0,72	69
B 5	Level 2	1930	32	0,32	61
B 6	Level 2	1910	36	0,34	61
B 7	Level 2	1890	39	0,37	61
B 8	Level 2	1865	41	0,41	63

Air performance measured according to: ISO 5801, installation category A, in ebm-papst full nozzle without contact protection. Intake-side sound level: Lw_A according to ISO 13347, Lp_A measured at 1 m distance from fan axis. The values given are only applicable under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked in installed condition. See Page 136 ff for detailed information.

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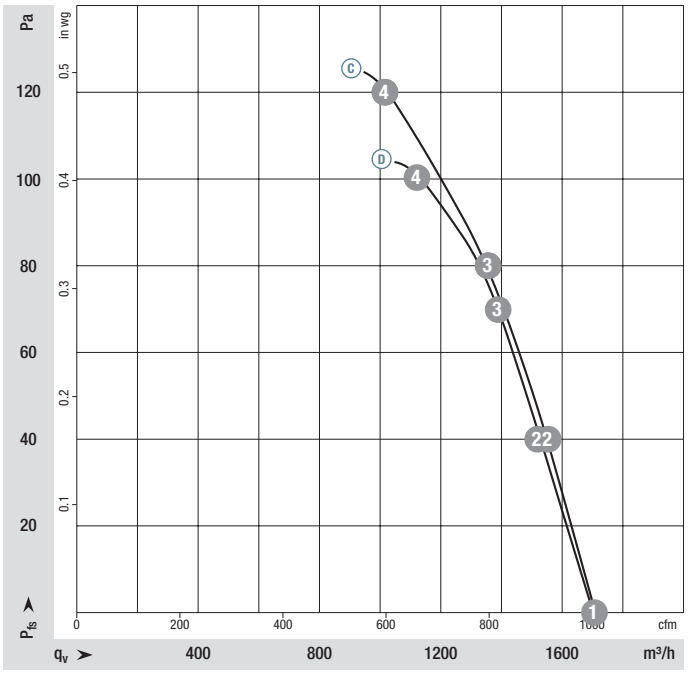
- **Technical features:** See connection diagram P. 128 f.
- **EMC:** Immunity to interference according to EN 61000-6-2 (industrial environment)
  Circuit feedback according to EN 61000-3-2/3
  Interference emission according to EN 61000-6-4 (industrial environment)
  Radio interference is to be checked in the complete unit.
- **Touch current:** <= 3,5 mA according to IEC 60990 (measuring circuit Fig. 4)
- **Cable exit:** Variable
- **Terminal box design:** electrical connection via terminal strip
- **Protection class:** I (with customer connection of protective earth)
- **Conformity with standards:** EN 60335-1, CE
- **Approvals:** VDE; cURus[3]

Airflow direction	❮ "V" without attach-ments-	Weight without attachments	❮ "V" with round full nozzle	Weight with round full nozzle	❮ "V" Compact fan [4]	Weight with full nozzle	❮ "V" with guard grille for short nozzle	Weight with guard grille for short nozzle	❮ "V" w. guard grille f. short nozzle a. top-mount. term. box	Weight with guard grille for short nozzle and top-mounted terminal box
		kg		kg		kg		kg		kg
"V"	A3G 250-AH07 -01[3]	1,3	W3G 250-CH07 -30[3]	2,6	---	---	S3G 250-AH07 -30[3]	2,0	S3G 250-AH07 -50	2,1
"V"	---	---	---	---	W3G 250-HH07 -01	2,1	---	---	---	---
"V"	A3G 250-AH07 -03[3]	1,3	W3G 250-CH07 -32[3]	2,6	---	---	S3G 250-AH07 -32[3]	2,0	S3G 250-AH07 -52	2,1
"V"	---	---	---	---	W3G 250-HH07 -03[3]	2,1	---	---	---	---

Airflow direction "A" on request

(4) depending on installation and position

Curves: Open-loop speed control



		n rpm	P_{ed} W	I A	L_{WA} dB(A)
C	1	2480	70	0,63	71
C	2	2425	79	0,67	70
C	3	2385	84	0,71	71
C	4	2330	83	0,72	74
D	1	2465	67	0,59	69
D	2	2410	75	0,65	69
D	3	2375	81	0,68	68
D	4	2330	83	0,72	69

Air performance measured according to: ISO 5801, installation category A, in ebm-papst full nozzle without contact protection. Intake-side sound level: Lw_A according to ISO 13347, Lp_A measured at 1 m distance from fan axis. The values given are only applicable under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked in installed condition. See Page 136 ff for detailed information.

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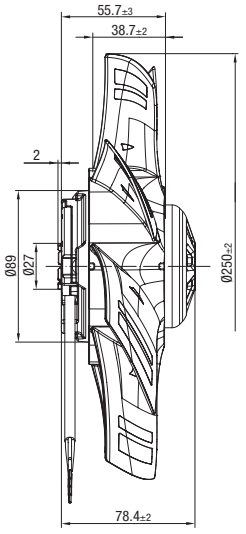
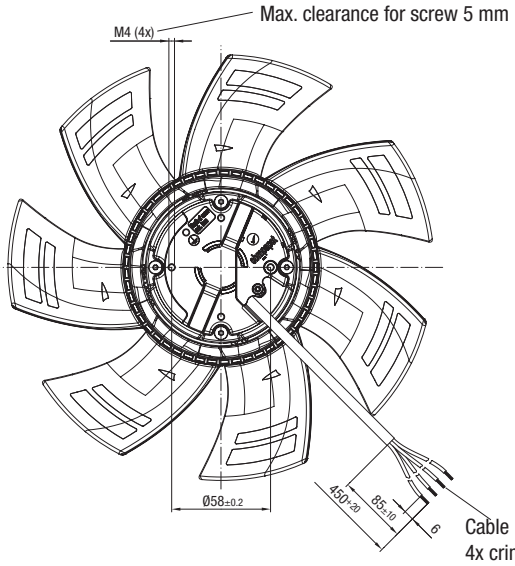
EC axial fans – HyBlade®

Ø 250 with motor M3G 055, 2 speed levels

A3G 250-AH07-01 (without attachments, airflow direction "V")

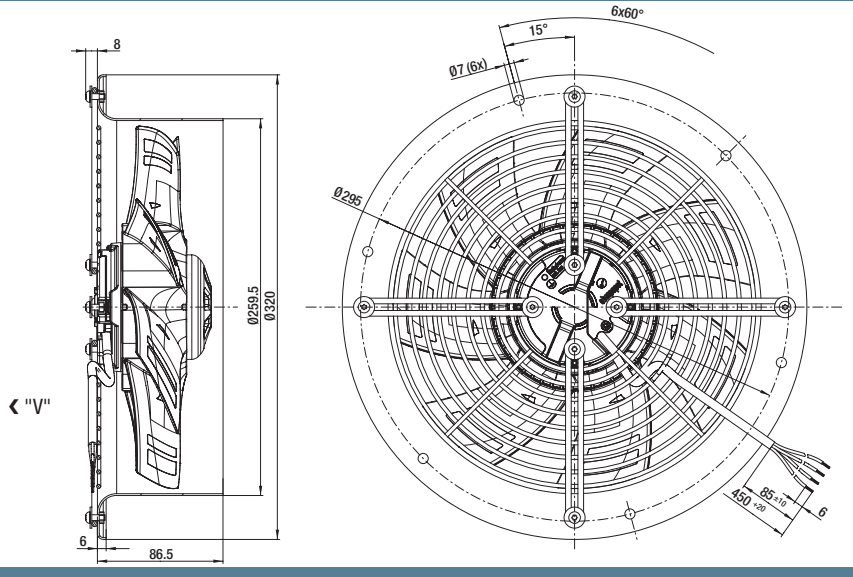




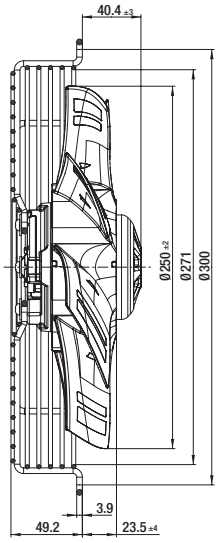
Inside diameter of fan housing min. 257 mm

Cable PVC 4G 0.5 mm², 4x crimped splices

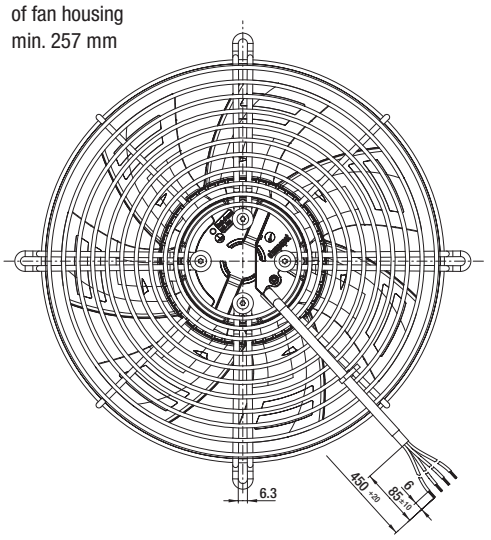
W3G 250-CH07-30 (with round full nozzle, airflow direction "V")



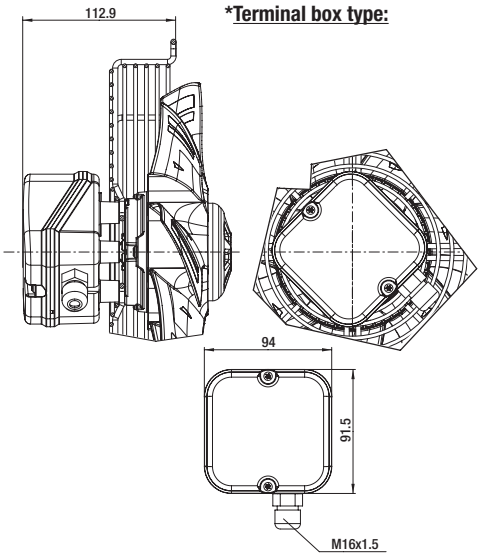
S3G 250-AH07-30 / S3G 250-AH07-50* (with guard grille for short nozzle, airflow direction "V")



Inside diameter of fan housing min. 257 mm



***Terminal box type:**



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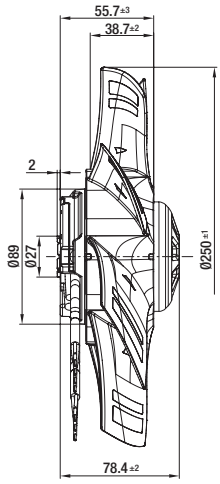
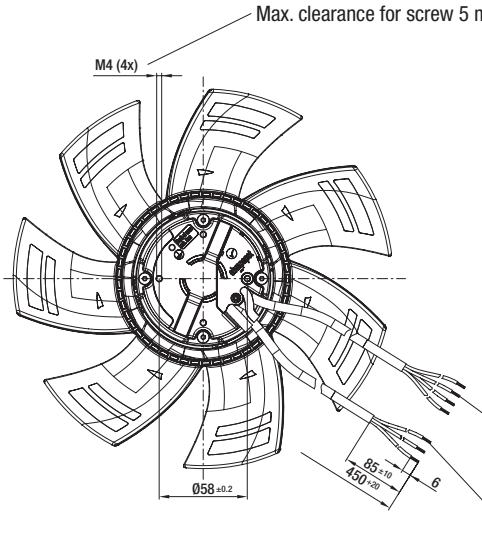
EC axial fans – HyBlade®

Ø 250 with motor M3G 055, open-loop speed control

A3G 250-AH07-03 (without attachments, airflow direction "V")



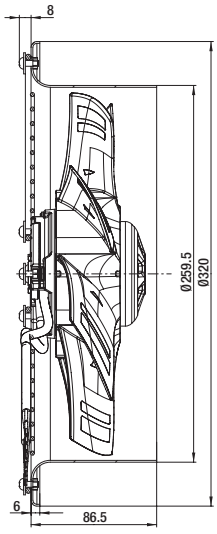


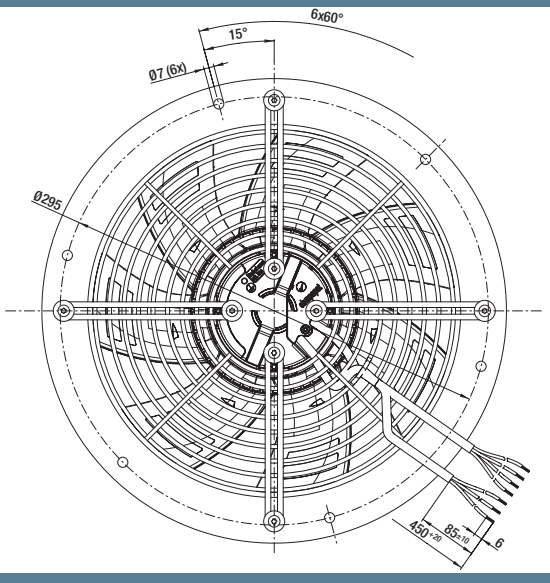
Inside diameter of fan housing min. 257 mm

Cable PVC 4X AWG22, 4x crimped splices

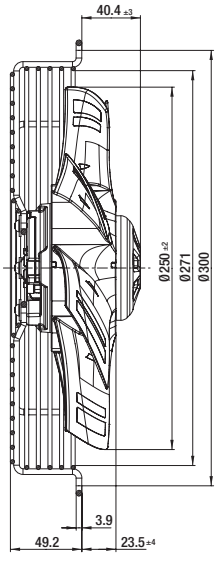
Cable PVC 3G AWG20, 3x crimped splices

W3G 250-CH07-32 (with round full nozzle, airflow direction "V")

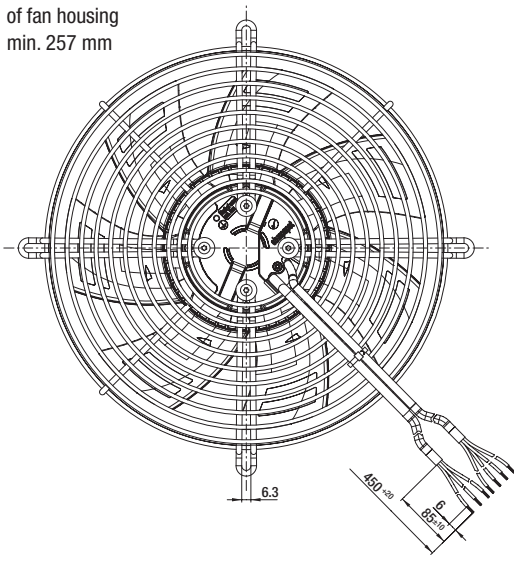




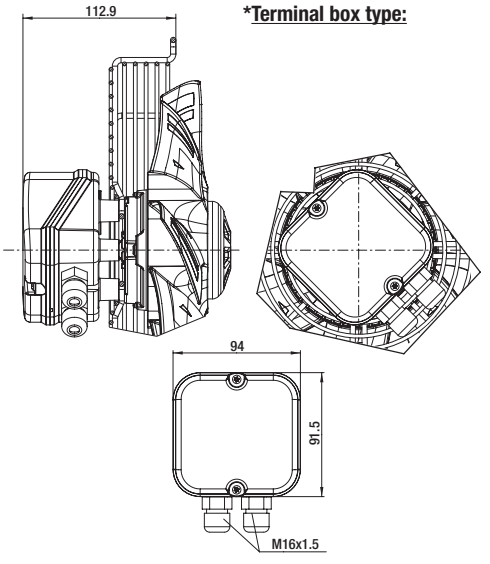
S3G 250-AH07-32 / S3G 250-AH07-52* (with guard grille for short nozzle, airflow direction "V")



Inside diameter of fan housing min. 257 mm



***Terminal box type:**



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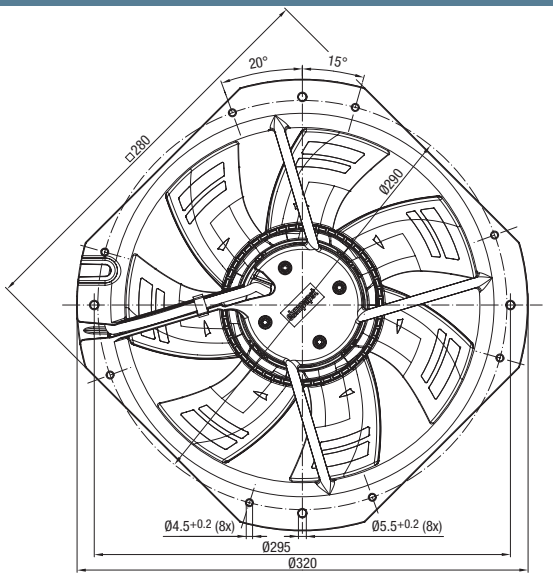
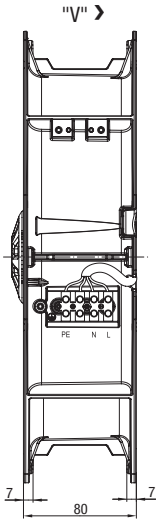
Ø 250 with motor M3G 055, 2 speed levels, compact

W3G 250-HH07-01 Compact fan (with full nozzle, airflow direction "V")





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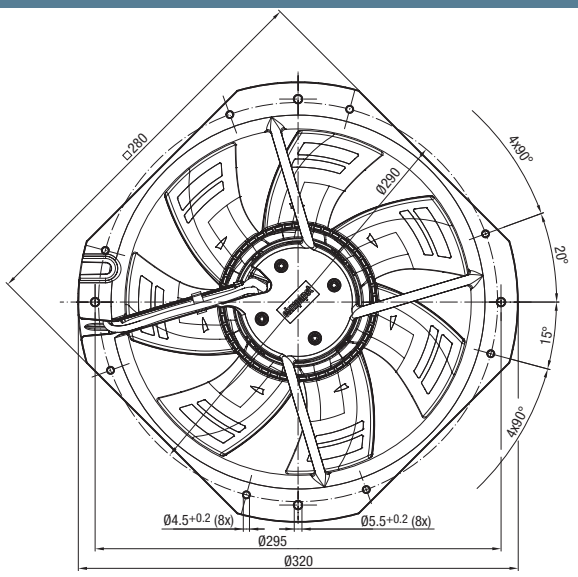
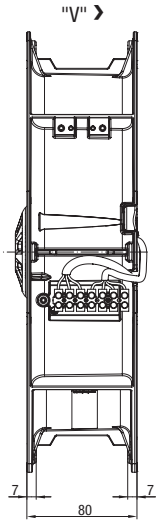
EC axial fans – HyBlade®

Ø 250 with motor M3G 055, open-loop speed control, compact

W3G 250-HH07-03 Compact fan (with full nozzle, airflow direction "V")