

# EC axial fans mains-powered

S series, Ø 315



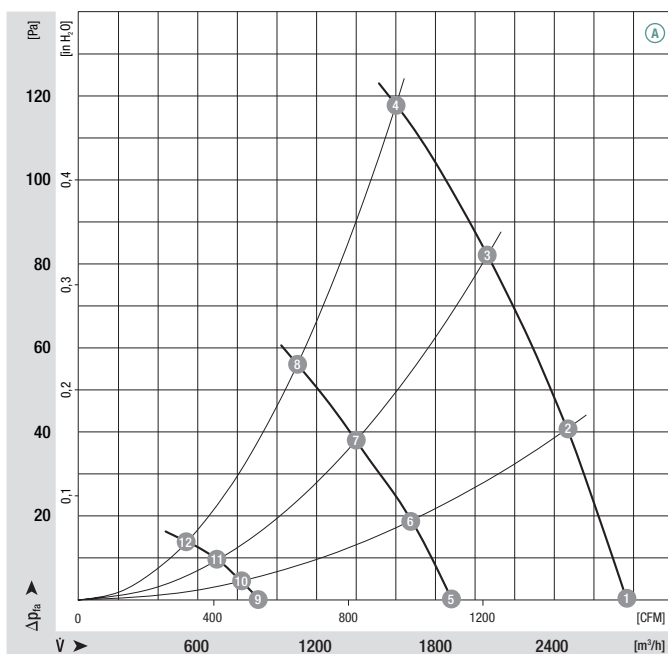
- **Material:** Guard grille: Steel, phosphated and coated in black  
Wall ring: Sheet steel, pre-galvanised and coated in black  
Blades: Sheet steel, coated in black  
Rotor: Coated in black  
Electronics enclosure: Die-cast aluminium, coated in black
- **Number of blades:** 5
- **Direction of rotation:** Dir. of air flow "V" counter-clockwise, "A" clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on bottom (rotor on top on request)
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input <sup>(1)</sup>	Max. current draw <sup>(1)</sup>	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	Motor	VAC	Hz	rpm	W	A	Pa	°C	kg	p. 423	
*3G 315	M3G074-CF	(A) 1~ 100-130	50/60	1670	160	2.10	110	-25 to +60	2.9	J1)	
*3G 315	M3G074-CF	(B) 1~ 200-277	50/60	1660	170	1.30	130	-25 to +60	2.9	J1)	

subject to alterations

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

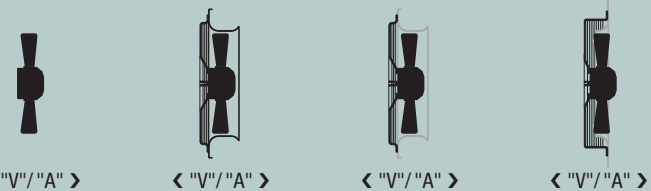
## Curves



	n [rpm]	P <sub>1</sub> [W]	I [A]	Lp <sub>A</sub> [dB(A)]	η <sub>HL</sub> [%]
(A) 1	1670	109	1.40	63	—
(A) 2	1660	118	1.50	62	53
(A) 3	1630	126	1.60	62	60
(A) 4	1610	138	1.80	60	55
(A) 5	1130	38	0.60	53	—
(A) 6	1120	42	0.60	52	48
(A) 7	1120	45	0.60	52	54
(A) 8	1110	49	0.70	50	50
(A) 9	560	8	0.10	32	—
(A) 10	560	9	0.20	31	25
(A) 11	560	9	0.20	31	33
(A) 12	560	10	0.20	29	30

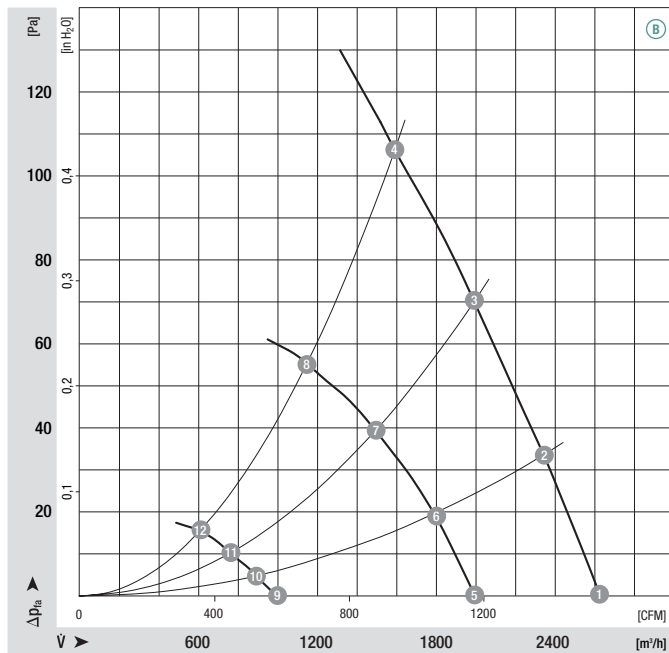
- **Technical features:**
  - PFC (passive)
  - Control input 0-10 VDC / PWM
  - Output 10 VDC max. 1.1 mA
  - Tach output
  - Over-temperature protected electronics / motor
- **EMC:** Interference emission acc. to EN 61000-6-3  
Interference immunity acc. to EN 61000-6-2  
Harmonics acc. to EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 60950-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, EN 61800-5-1, EN 60950-1, CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for

Direction of air flow



	< "V"/"A" > Without attachments	< "V"/"A" > With full round nozzle	< "V"/"A" > With guard grille for full nozzle	< "V"/"A" > With guard grille for short nozzle
"V"	A3G 315-AA76 -01	W3G 315-CA76 -01	S3G 315-BA76 -01	S3G 315-AA76 -01
"A"	A3G 315-AA76 -02	W3G 315-CA76 -02	S3G 315-BA76 -02	S3G 315-AA76 -02
"V"	A3G 315-AA58 -01	W3G 315-CA58 -01	S3G 315-BA58 -01	S3G 315-AA58 -01
"A"	A3G 315-AA58 -02	W3G 315-CA58 -02	S3G 315-BA58 -02	S3G 315-AA58 -02

**Curves**



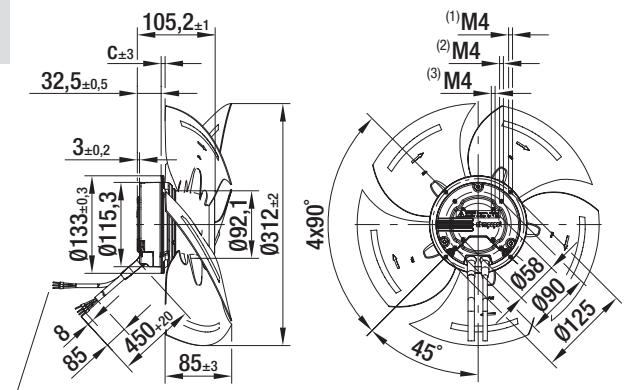
	n [rpm]	P <sub>1</sub> [W]	I [A]	Lp <sub>A</sub> [dB(A)]	η <sub>HL</sub> [%]
ⓑ 1	1660	110	0.80	62	—
ⓑ 2	1640	119	0.90	61	43
ⓑ 3	1625	125	0.90	62	52
ⓑ 4	1610	135	1.00	60	50
ⓑ 5	1250	50	1.00	55	—
ⓑ 6	1250	55	1.00	54	24
ⓑ 7	1220	55	1.00	54	40
ⓑ 8	1170	57	1.00	52	43
ⓑ 9	640	11	0.40	35	—
ⓑ 10	630	12	0.40	34	17
ⓑ 11	630	12	0.50	34	31
ⓑ 12	620	13	0.50	33	37

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S series, Ø 315, drawings of directions of air flow "V" and "A"



## Without attachments



Core-end sleeve  
 < "V"  
 "A" >

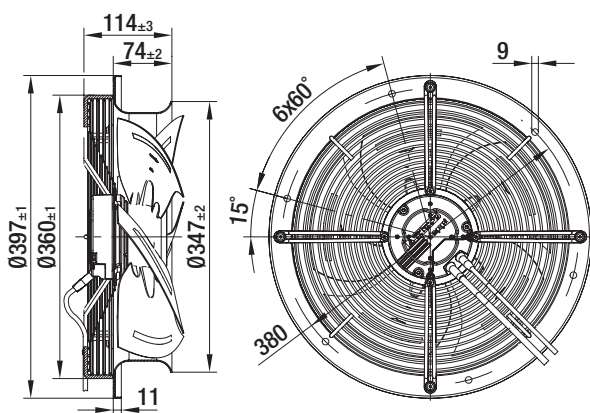
- (1) Depth of screw max. 8 mm (pilot hole for self-tapping thread)
- (2) Depth of screw max. 6 mm (pilot hole for self-tapping thread)
- (3) Depth of screw 8-10 mm

## Type

Type		c
A3G 315-AA76 -01	"V"	6.0
A3G 315-AA76 -02	"A"	-6.0
A3G 315-AA58 -01	"V"	6.0
A3G 315-AA58 -02	"A"	-6.0



## With full round nozzle



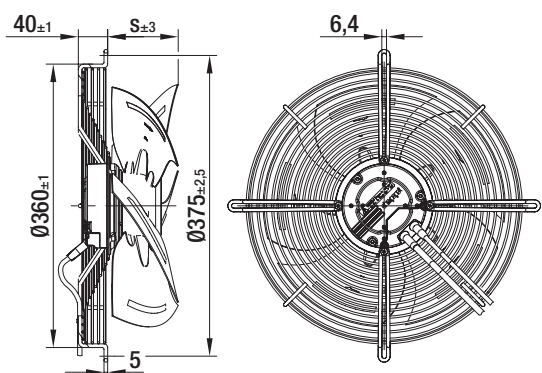
< "V"  
 "A" >

## Type

W3G 315-CA76 -01	"V"
W3G 315-CA76 -02	"A"
W3G 315-CA58 -01	"V"
W3G 315-CA58 -02	"A"



## With guard grille for full nozzle



< "V"  
 "A" >

## Type

Type		s
S3G 315-BA76 -01	"V"	91.0
S3G 315-BA76 -02	"A"	79.0
S3G 315-BA58 -01	"V"	91.0
S3G 315-BA58 -02	"A"	79.0

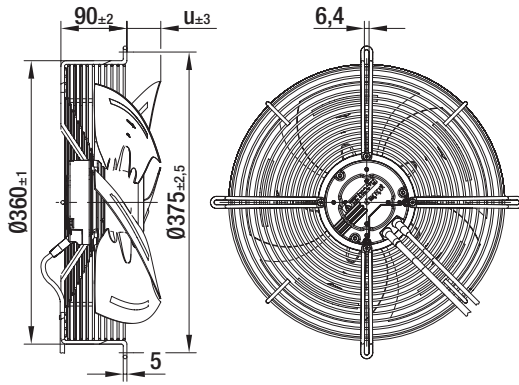


With guard grille for short nozzle

Type

u

S3G 315-AA76 -01	"V"	41.0
S3G 315-AA76 -02	"A"	29.0
S3G 315-AA58 -01	"V"	41.0
S3G 315-AA58 -02	"A"	29.0



< "V"  
"A" >

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