

Spare parts catalogue

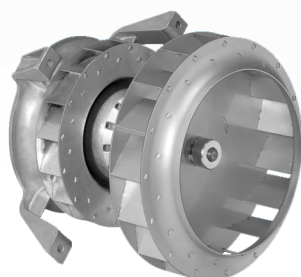
ebm-papst Benelux

Edition 2025-11

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ebm**papst**

engineering a better life



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Spare parts catalogue

ebm-papst Benelux

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Information

Spare parts

Accessories

About ebm-papst

As technological leader for ventilation and drive engineering, ebm-papst is in demand as an engineering partner in many industries. With over 15,000 different products, we provide the right solution for just about any challenge. Our fans and drives are reliable, quiet and energy-efficient.

Six reasons that make us the ideal partner:

Our systems expertise.

You want the best solution for every project. The interrelationships between ventilation and drive engineering must thus be considered as a whole.

And that's what we do – with motor technology that sets standards, sophisticated electronics and aerodynamic designs – all from a single source and perfectly matched. These system solutions release unique synergies worldwide. And in particular – they relieve you of a lot of work, so that you can concentrate on your core competency.

The ebm-papst spirit of invention.

In addition to our wide range of products, we are always able to develop customized solutions for you. A diversified team of 600 engineers and technicians works at our three locations in Germany: Mulfingen, Landshut and St. Georgen.

Contact us to discuss your next project.

Our lead in technology.

As pioneer and trail-blazer for developing highly efficient EC technology, we are way ahead of other motor manufacturers. Almost all our products are also available with GreenTech EC technology. The list of benefits is long: higher efficiency, maintenance-free, longer service life, sound reduction, intelligent control characteristics and unrivalled energy efficiency with savings of up to 80 % compared to conventional AC technology. Let our technology be your competitive advantage as you lead in your industry.

Closeness to our customers.

ebm-papst has 25 production locations worldwide (including facilities in Germany, China and the USA), together with 49 sales offices, each of which has a dense network of sales representatives. You will always have a local contact, someone who speaks your language and knows your market.

Our standard of quality.

Of course you can rely on the highest standards of quality with our products. Our quality management is uncompromising, at every step in every process. This is underscored by our certification according to international standards including DIN EN ISO 9001, TS declaration of conformity and DIN EN ISO 14001.

Our sustainable approach.

Assuming responsibility for the environment, for our employees and for society is an integral part of our corporate philosophy. We develop products with an eye to maximum environmental compatibility, in particular resource-preserving production methods. We promote environmental awareness among our young staff and are actively involved in sports, culture and education. That's what makes us a leading company – and an ideal partner for you.

Engineering a better life. *A promise we stand by.*

We drive innovation: Our sustainable and digital solutions help customers reduce emissions. We also focus on resource-efficient manufacturing of our products. The solutions themselves help reduce the carbon footprint of our customers' applications – day after day. In this way, our sustainable and intelligent solutions ensure a better climate – for people, their applications and our environment. It's how we work towards a better future.

In all that we do, we strive to live up to this claim.

Sustainability.

By 2025, we aim to be carbon neutral globally in terms of our direct and indirect emissions within our own business.

We have been thinking sustainably since the company was founded: This means that every product we make has to outperform the one before, both economically and ecologically. And that also makes our customers' applications more sustainable, too.

Digitalization.

From the first integrated electronics before the turn of the millennium to today's networked solutions: We bring digital added value to your applications.

From demand-driven operations to remote monitoring and predictive maintenance to data-driven buildings with AI – together we will find the solution that lowers costs, saves energy and reduces emissions.

Innovation.

We founded the company with a belief in an engine that was ahead of its time. Later, the development of EC technology was equally groundbreaking.

Innovation has always been the driving force behind our success. This is underpinned by consistently high levels of investment in Research & Development – and that worldwide. This technological progress helps our customers to make their applications better and better. This is how we live technology leadership.

General information and *terms of delivery*

General information

Images used in this catalogue are an indication of the products described and may not be photographs of the actual product.

The technical drawings (with dimensions) do match the described product of the page.

The prices printed were current on the day of production of this catalogue. We reserve the right to alter prices at any time without prior notice. The price on our invoice is final.

All orders are shipped ex works.

Our general terms and conditions apply to all our price quotes, orders, etc.

All rights reserved. Nothing from this publication (edition) may be multiplied, saved in an automatic data file, made public, in any shape or way, either electronic, mechanical by photocopy, recording or any other way, without prior written approval from ebm-papst Benelux BV.

Terms of delivery

Delivery:

DAP Beek en Donk.

To all our quotations and transactions the general conditions of sales and delivery for the metal- and electro technical industry FME CWM are applicable, as filled with the country-court at The Hague on 19th, October 1998 under number 119/1998. At request we will sent you a copy.

Transport:

On the basis of calculation before shipment of weight and size.

Handling costs:

An extra handling fee of € 30,00 to every order with a total value of less than € 250,00 and € 15,00 to every order with a total value of € 250,00 to € 500,00 (net, excl. VAT).

Payment:

Payable in advance (invoice will be faxed / mailed). When payable in advance goods will be ordered or sent after receipt of payment.



Contact information

ebm-papst Benelux

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Table of content - *Productoverview*

AC axial fans			
Type (click on type number to go to page)	Direction of Airflow	VAC	m3/h
W2E143AA0901	V	230	375
W2S130AA2501	V	115	325
W2S130BM0301	A	230	380
A2E200AF0202	A	230	740
W2E200CF0202	A	230	740
A2D250AA0201	V	400	1685
A2E250AE6501	V	230	1610
W2E250CE6502	A	230	870
W4S250CA0201	V	230	870
A2E300AC4702	A	230	1690
S4E300AS7230	V	230	1800
S4E300AS7231	A	230	1800
S4E350AN0230	V	230	3300
S4E400AP0204	A	230	4235
S4E450AP0101	V	230	5700

EC axial fans

Type (click on type number to go to page)	Direction of Airflow	VAC	m3/h
W1G200EC8725	V	230	460
W1G200EC9145	V	230	750
W3G300DN0253	A	230	3175
W3G450DL03H4	A	230	7355

AC hotair blowers

Type (click on type number to go to page)	VAC	m3/h
R2S150AA0829	230	190
R2E180AH0506	230	450

Subject to technical changes.

Table of content - *Productoverview*

AC centrifugal fans		
Type (click on type number to go to page)	VAC	m3/h
G2E085AA0101	230	85
G2E120AR7701	230	260
G2E140AE7701	230	380
G2E140AI2801	230	500
G2E160AY5091	230	595
R2E160AY4701	230	590
G2E180EH0301	230	755
D2E097BK8002	230	400
D2E133AM4701	230	710
D2E133DM4701	230	760
D2E146AP4722	230	970
D2E146HS9701	230	760
D2E146HT6702	230	1060
D4E200CA0202	230	2375
D4E225CC0121	230	2975
R2E180AS7705	230	555
R2E190AO2605	230	570
R2E190RA2605	230	540
R2E220RA3801	230	865
R2E225AT5105	230	825
R2E225BD9209	230	1210
R2E280AE5205	230	2110

EC centrifugal fans

Type (click on type number to go to page)	VAC	m3/h
D3G146LV0531	230	1155
D3G146LV1333	230	1155
D3G146HQ1334	230	1080
G3G160RF3103	230	560
G3G190RD4503	230	855
K3G133RA0103	230	280
8300100028	230	695
8300100183	230	975
8300100170	230	1310
8300100177	230	1430
K3G250AV29B2	230	3120
K3G310PT08J2	400	5280
K3G400RS03H2	230	5770

Subject to technical changes.

Table of content - *Productoverview*

AC axial compact fans				
Type (click on type number to go to page)	Type	Size (mm)	VAC	m3/h
9244014343	8880 N	80x80x38	230	30
9274014208	8550 N	80x80x38	230	50
9274014210	8556 N	80x80x38	230	50
9244014696	8556 N-696	80x80x38	230	50
9244014686	8526 VWR-686	80x80x38	24	47
9244014700	3656	92x92x38	230	75
9282708001	9956	119x119x25	230	117
9274014111	4850 N	119x119x38	230	100
9274014115	4550 N	119x119x38	230	145
9274014351	4650 N	119x119x38	230	160
9274014139	4656 N	119x119x38	230	160
9244014827	4850 ZW	119x119x38	230	98
9244014857	4856 Z-857	119x119x38	230	98
9244014840	4586 Z	119x119x38	230	115
9244014805	4650 ZW	119x119x38	230	160
9274014465	4650 N-465	119x119x38	230	158
9274014800	4656 Z	119x119x38	230	160
9274014804	4656 ZW	119x119x38	230	160
9274014147	4606 N	119x119x38	115	180
8315100206	AxiAci 120-IP20	119x119x38	195-265	175
9245012001	5656 S	135x135x38	230	235
W2S130AA0301		Ø150x55	230	340
W2E142BB0101		150x172x38	230	325
W2E143AB0901		Ø172x51	230	420
W2E200HK3801		225x225x80	230	885
W2E250HL0619		280x280x80	230	1835

DC axial compact fans

Type (click on type number to go to page)	DC axial compact fans			
	Type	Size (mm)	VDC	m3/h
9291708001	412	40x40x20	12	10
9291708002	414	40x40x20	24	10
9292206172	612 NGMLE	60x60x25	12	25
9272206072	614 NH	60x60x25	24	43
9292206033	614 NHH	60x60x25	24	56
9292506125	8412 N	80x80x25	12	69
9292506126	8414 N	80x80x25	24	69
9292506124	8414 NH	80x80x25	24	79
9292506110	8414 NGH	80x80x25	24	79
9292506320	3414 NHH	92x92x25	24	102
9293505434	4412 FGML	119x119x25	12	114
9293505446	4412 FG	119x119x25	12	170
9293505405	4414 F	119x119x25	24	170
9293510702	4314 NNU	119x119x32	24	187
9293510560	4414 ML	119x119x38	24	168
9293510524	4414 HH	119x119x38	24	285
9294310103	4184 NX	119x119x38	24	168
9295410121	7114 N	150x38	24	308
9295414502	DV 6224	172x51	24	540

Subject to technical changes.

Table of content - *Productoverview*

Tangential fans

Type (click on type number to go to page)	Type	Motor	VAC	m3/h
55410.81610	QLZ06/1800	Right side	230	150

Q Motors

Type (click on type number to go to page)	VAC
M4Q045...	230
M4S068BF08...	230

Accessoires

Capacitors
Inlet rings
Finger guards
Finger guards compact fans
Filter fan guards
Connection cables
Speed controllers
Converters

Pricelist

Complete overview of all product prices

Subject to technical changes.



AC axial fans

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W2E143AA0901

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor open, coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP44
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally

Conformity with standards

- Norm: EN 60335-1; CE

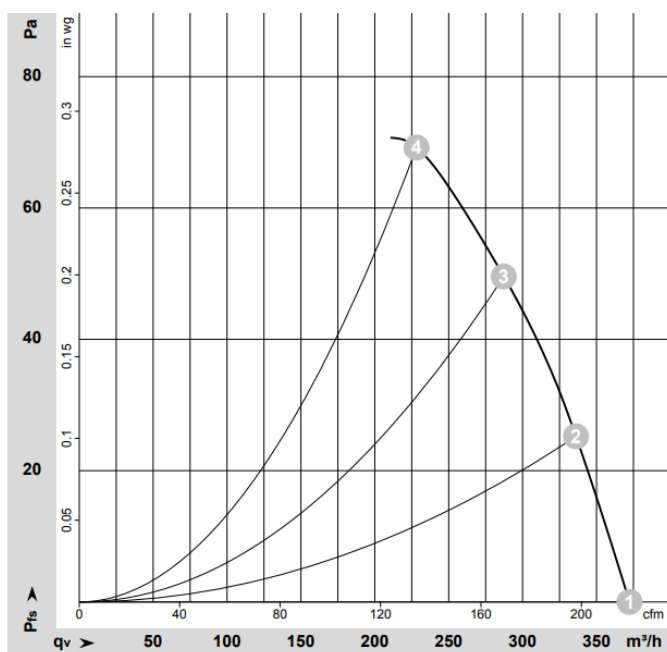
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W2E143AA0901	M2E052-BF	230	50	375	2800	24	0,12	-	55	70	-25..+70	1,0
		230	60	440	3300	26	0,11	-	60	90	-25..+70	

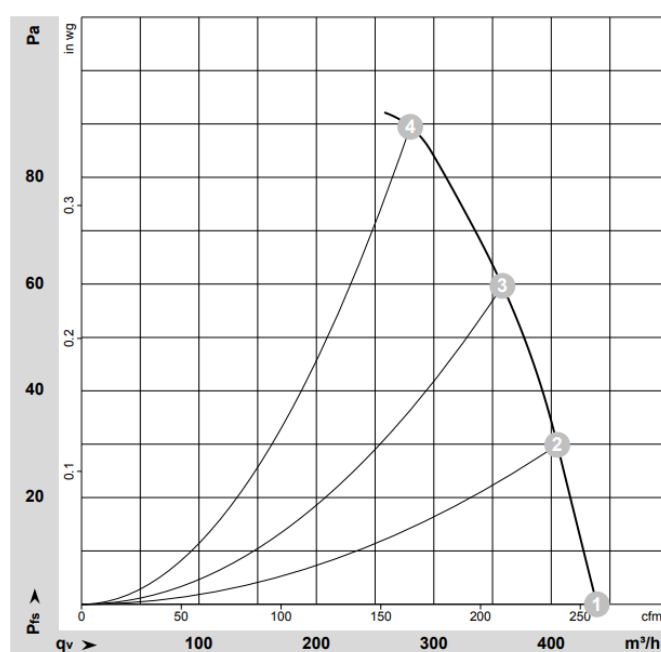
Subject to modification

[Pricelist](#)

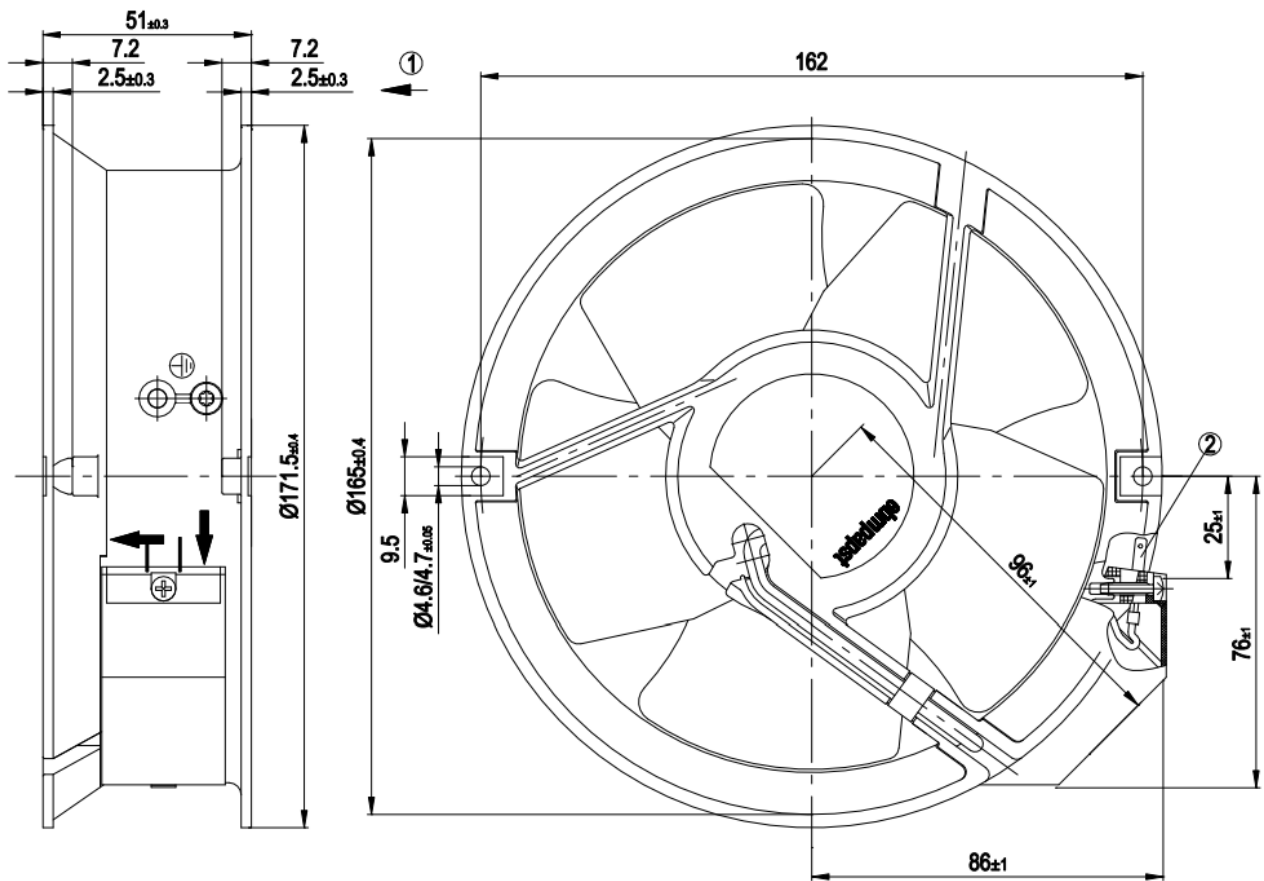
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

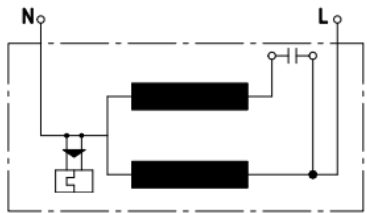


Drawing



- | | |
|---|---------------------------|
| 1 | Direction of air flow "V" |
| 2 | Flat plug 2.8 x 0.5 mm |

Connection illustration



W2S130AA2501

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor open, coated black
- Steelplate blades, coated black
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP20
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally

Conformity with standards

- Norm: EN 60335-1; CE

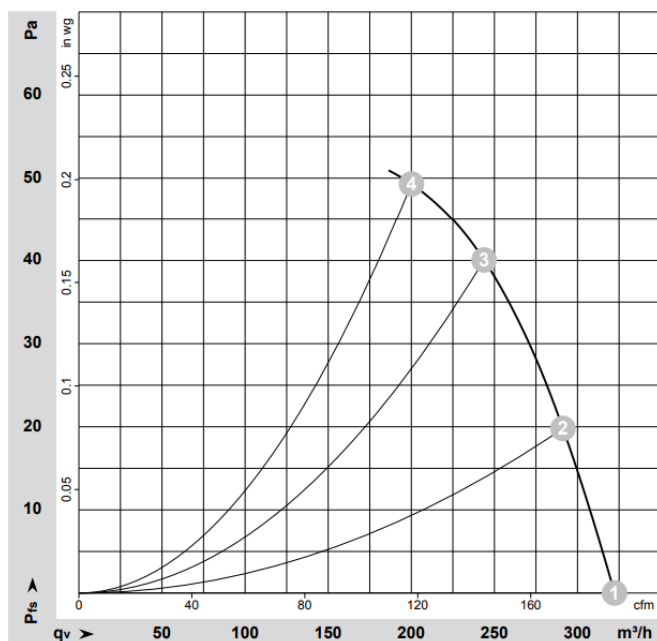
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Go to	Accessories
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Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W2S130AA2501	M2S052-CA	115	50	325	2800	41	0,56	-	49	80	-25..+50	1,1
		115	60	380	3250	38	0,47	-	53	120	-25..+70	

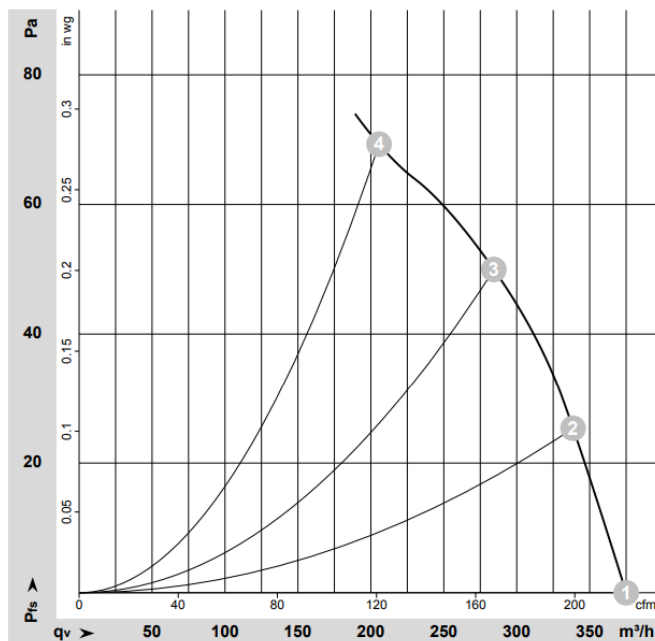
Subject to modification

[Pricelist](#)

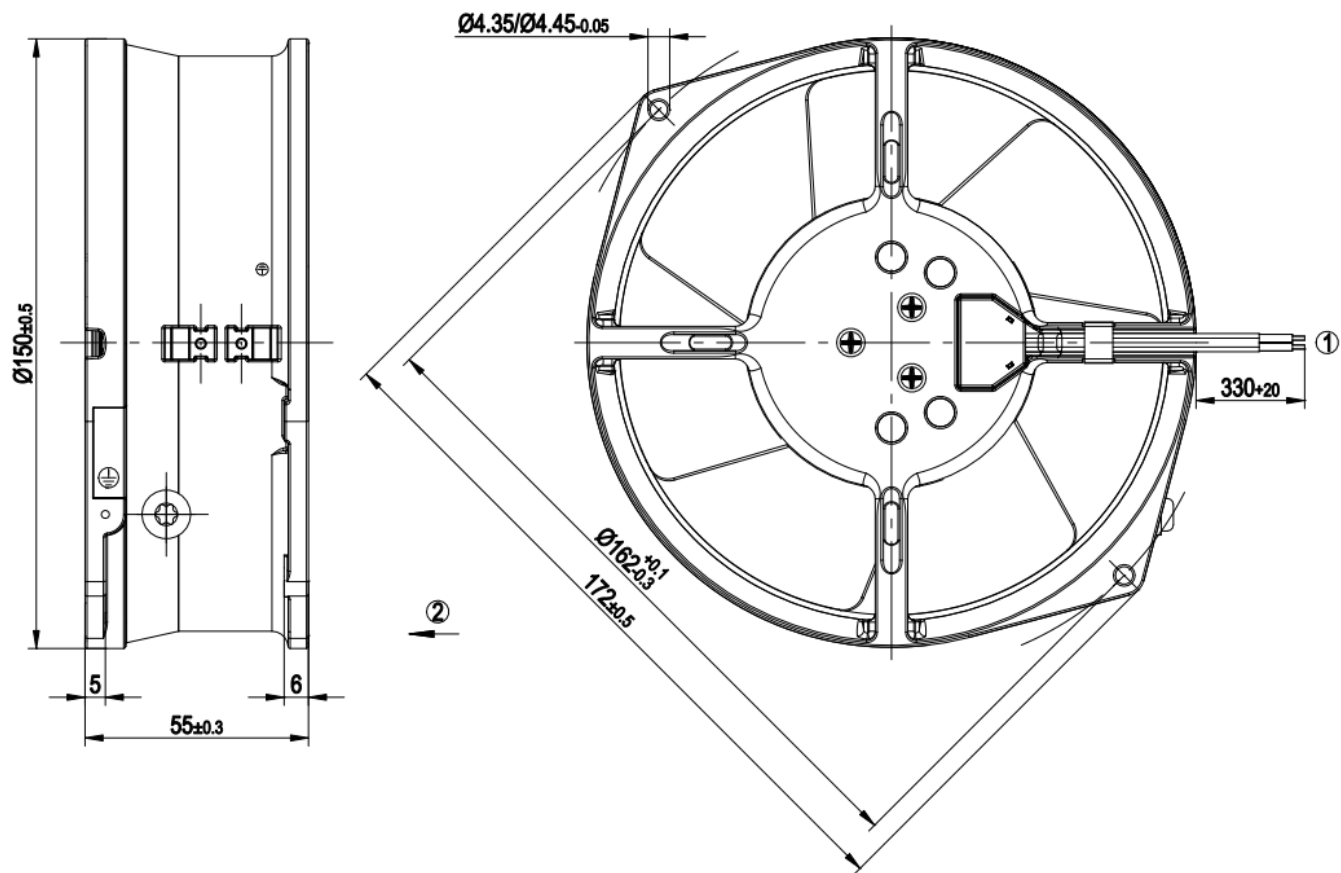
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

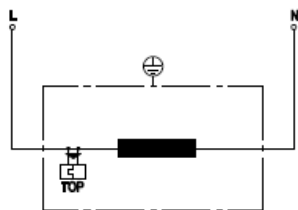


Drawing



- | | |
|---|----------------------------------|
| 1 | Cable AWG 20, 2x crimped splices |
| 2 | Direction of air flow "V" |

Connection illustration



- | | |
|-----|------------------------------|
| L | = black |
| N | = black |
| TOP | = Thermal overload protector |

W2S130BM0301

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor open, coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP20
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally

Conformity with standards

- Norm: EN 60335-1; CE

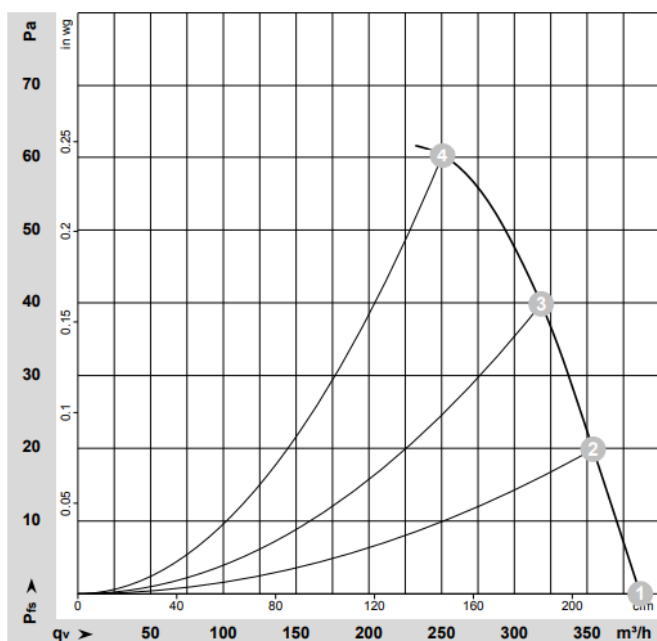
Go to	Pricelist
Go to	Accessories
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More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W2S130BM0301	MS2052-CA	230	50	380	2700	47	0,31	-	60	60	-25..+50	1,1
		230	60	425	3050	46	0,27	-	62	75	-25..+70	

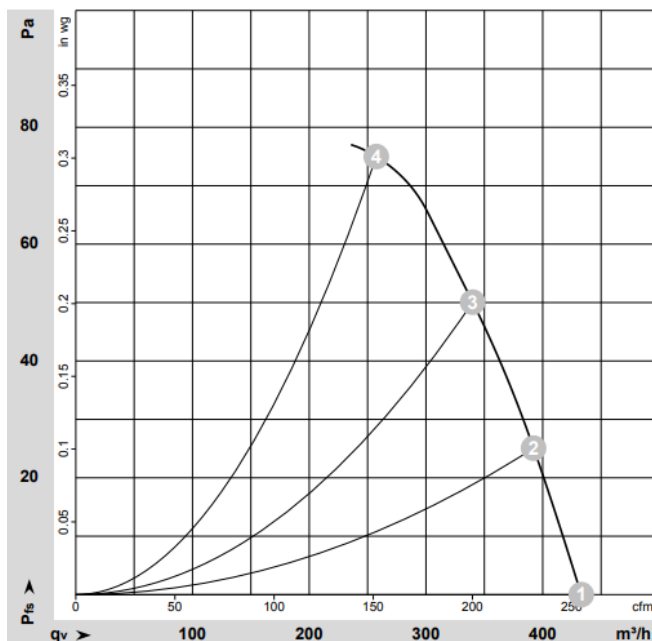
Subject to modification

[Pricelist](#)

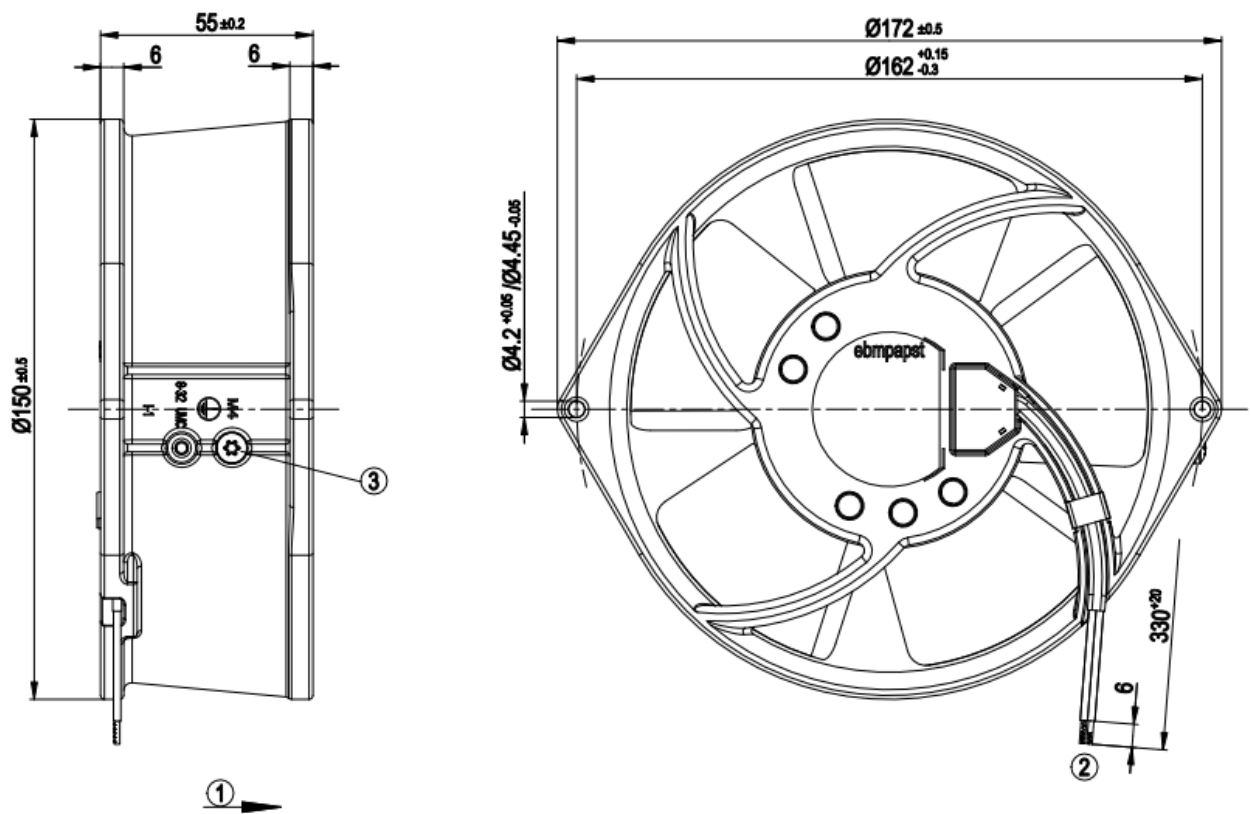
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

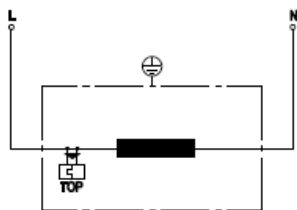


Drawing



1	Direction of air flow "A"
2	Cable AWG20, 2x crimped splices
3	M4 screw for fastening ground connector

Connection illustration



L	= black
N	= black
TOP	= Thermal overload protector

A2E200AF0202

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Left CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Integrated temperature switches
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

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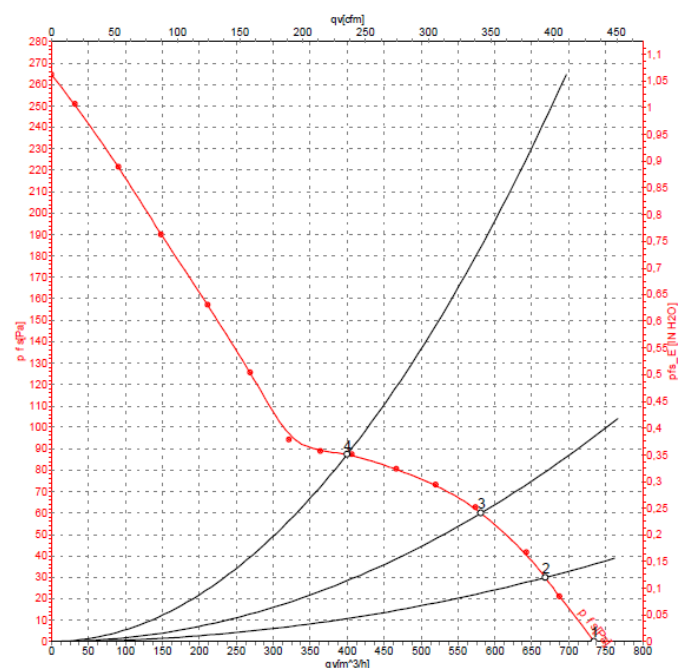
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
A2E200AF0202	M2E068CA	230	50	740	2740	50	0,24	1,5/400	65	200	-25...+75	1,4
		230	60	830	3120	61	0,28	1,5/400	69	200	-25...+75	

Subject to modification

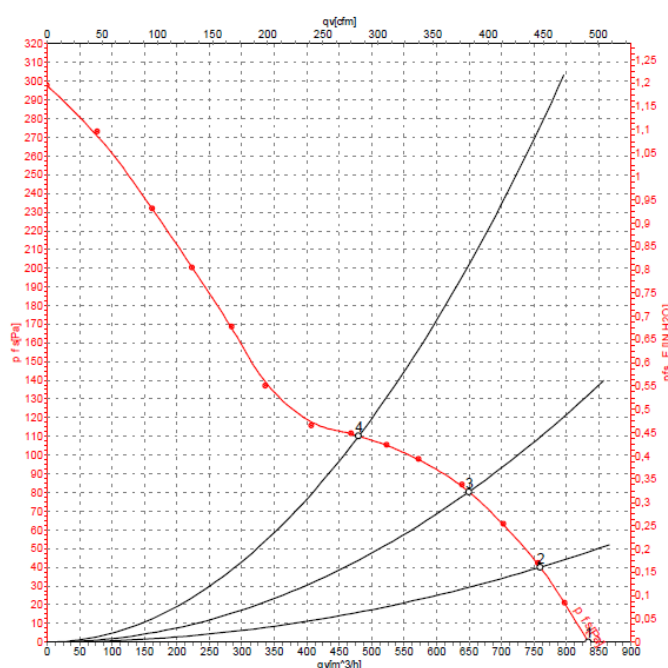
[Pricelist](#)

Capacitor
[280F00032](#)

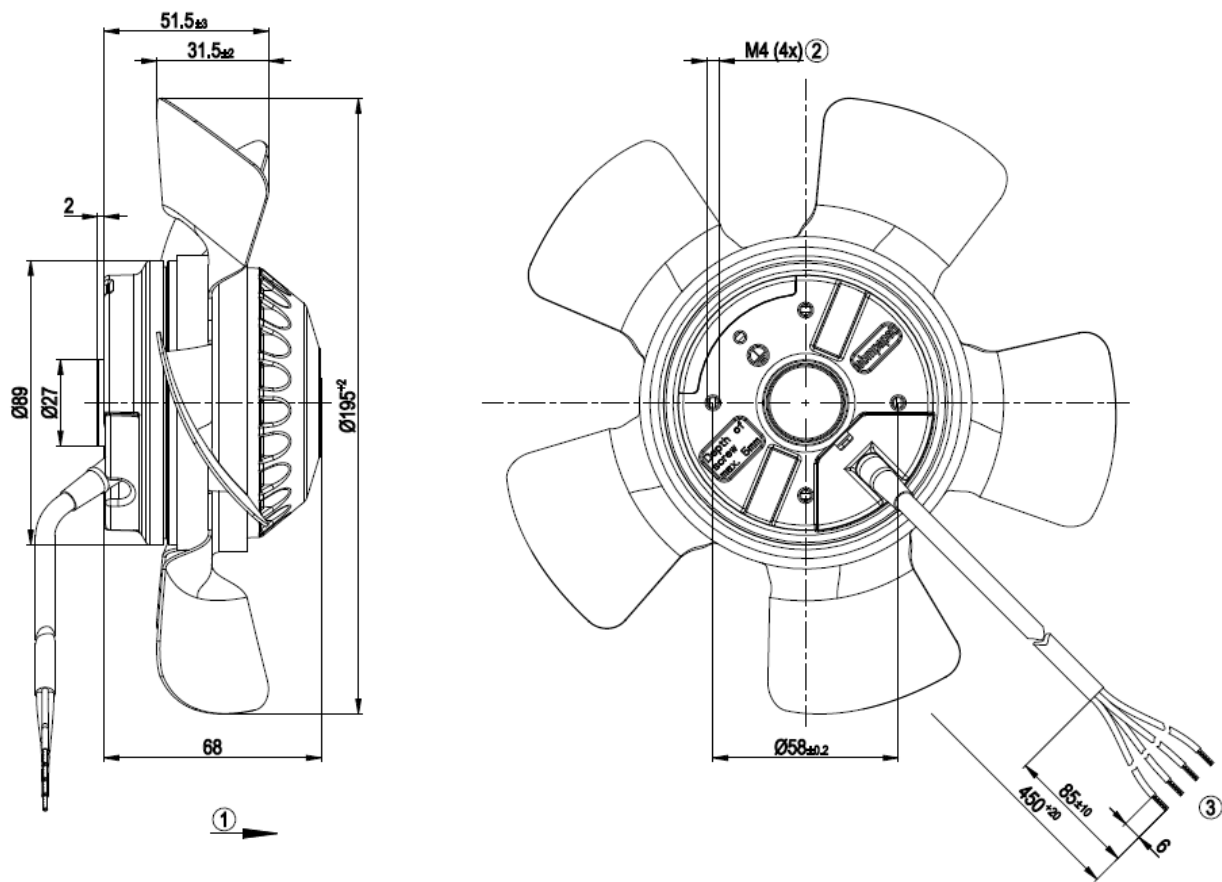
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

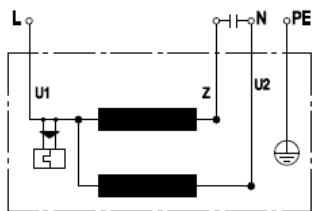


Drawing



- | | |
|---|---|
| 1 | Direction of air flow "A" |
| 2 | Max. clearance for screw 5 mm |
| 3 | Cable PVC 4G 0.5 mm ² , 4x crimped splices |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

W2E200CF0202

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Integrated temperature switches
- Cable: Axial out of stator, 450 mm

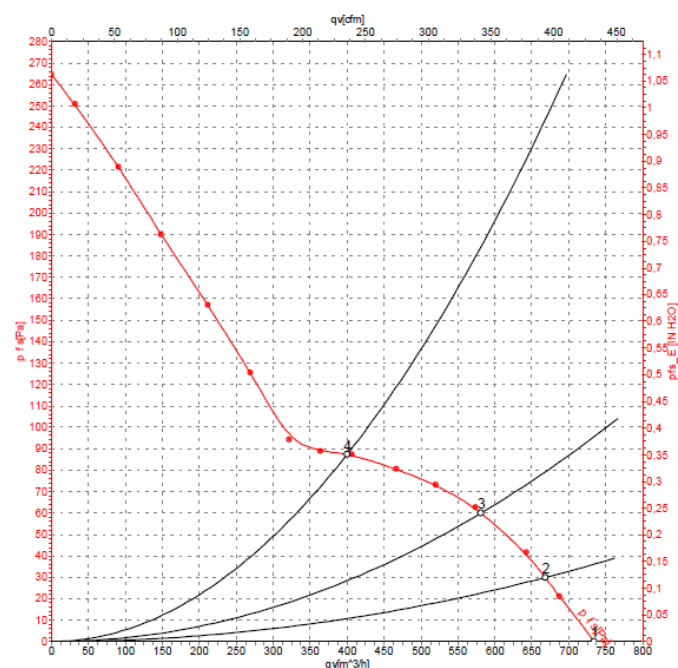
Conformity with standards

- Norm: EN 60335-1; CE

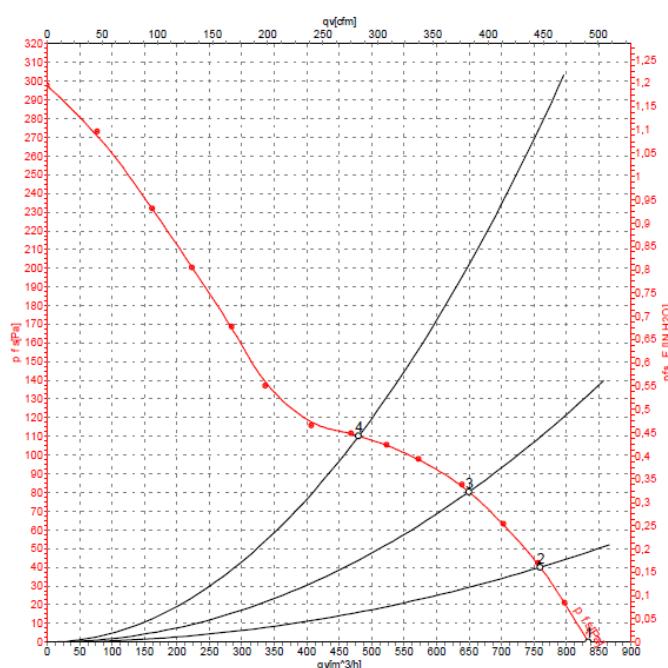
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
W2E200CF0201	M2E068CA	230	50	740	2740	50	0,24	1,5/400	65	200	-25..+75	2,3
		230	60	830	3120	61	0,28	1,5/400	69	200	-25..+75	
Subject to modification							Capacitor					
Pricelist							280F00032					

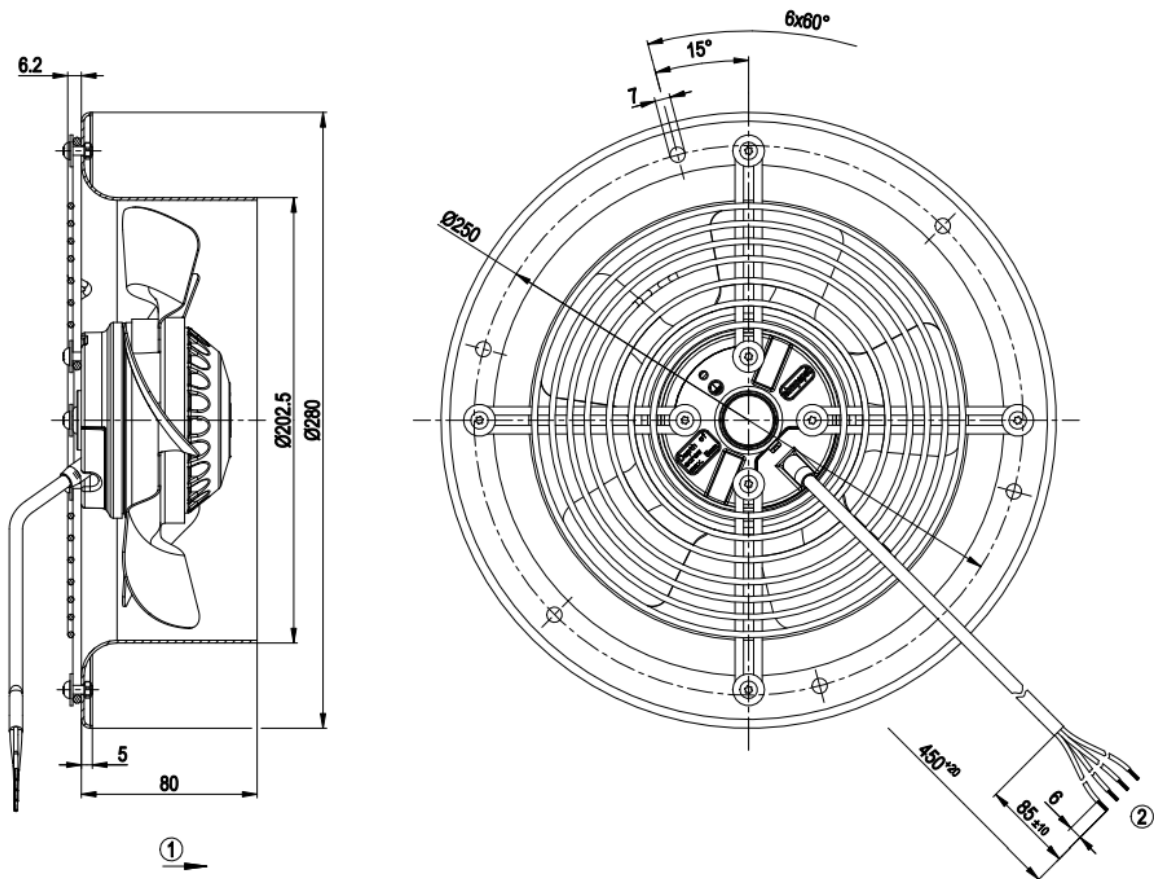
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

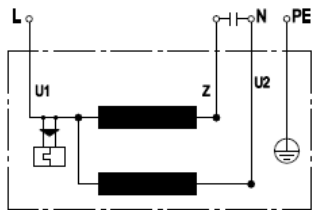


Drawing



- | | |
|---|---|
| 1 | Direction of air flow "A" |
| 2 | Cable PVC 4G 0.5 mm ² , 4x crimped splices |

Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |

A2D250AA0201

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Integrated temperature switches
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

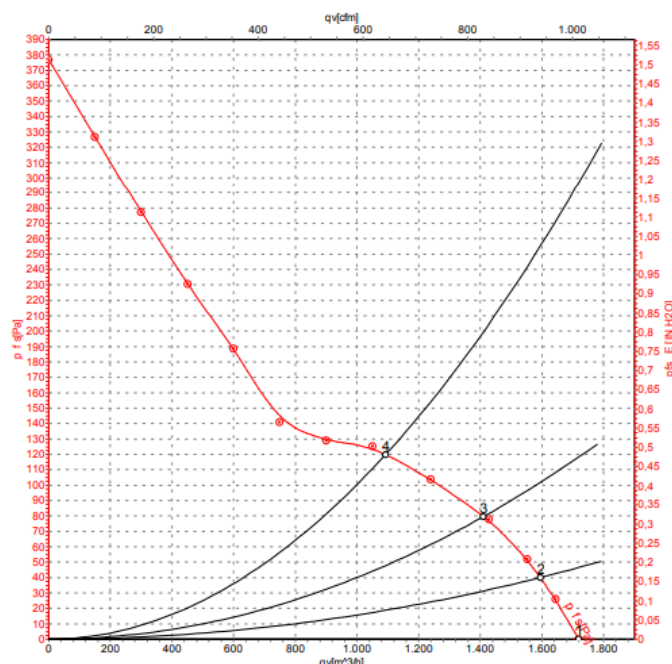
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
A2D250AA0201	M2D068-DF	400	50	1685	2650	110	0,22	-	72	250	-25..+70	2,05
		400	60	1845	2950	160	0,26	-	75	300	-25..+40	

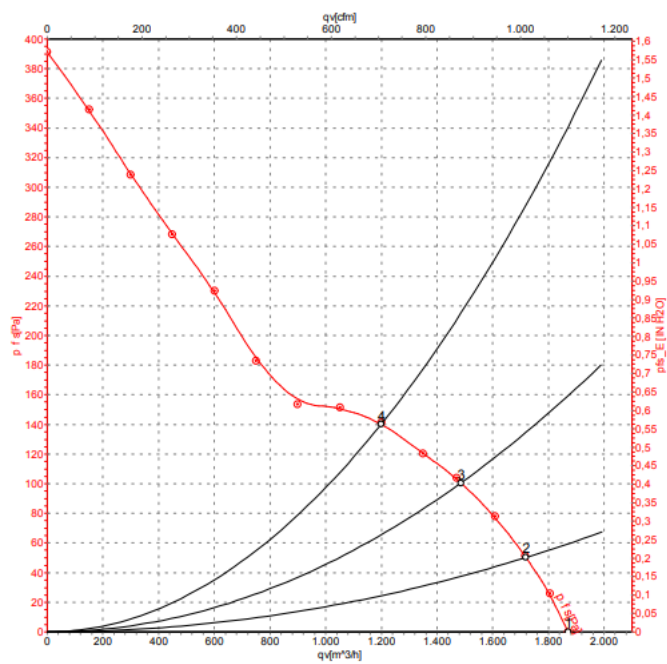
Subject to modification

[Pricelist](#)

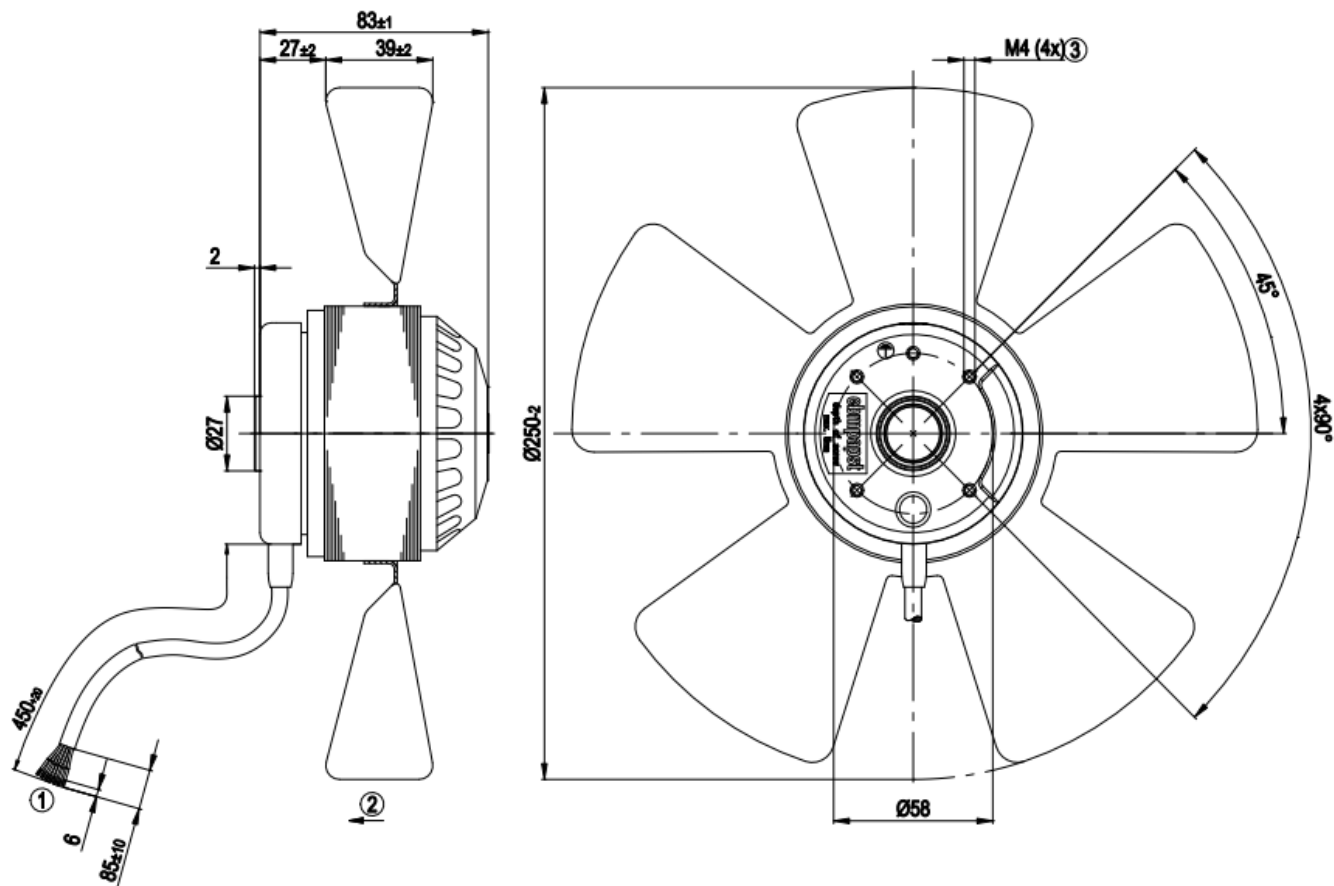
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

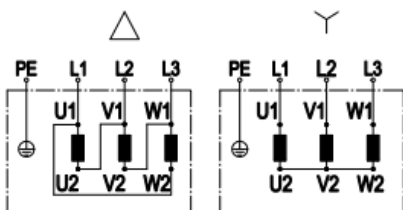


Drawing



- | | |
|---|---|
| 1 | Cable PVC 7x 0.5 mm ² , 7x crimped splices |
| 2 | Direction of air flow "V" |
| 3 | Max. clearance for screw 5 mm |

Connection illustration



Change of rotation direction by reversing two phases

	Three-phase motor	Δ	Delta connection	Y	Star connection
L1	= U1 = black	L2	= V1 = blue	L3	= W1 = brown
U2	green	V2	white	W2	yellow
PE	green/yellow				

A2E250AE6501

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Integrated temperature switches
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

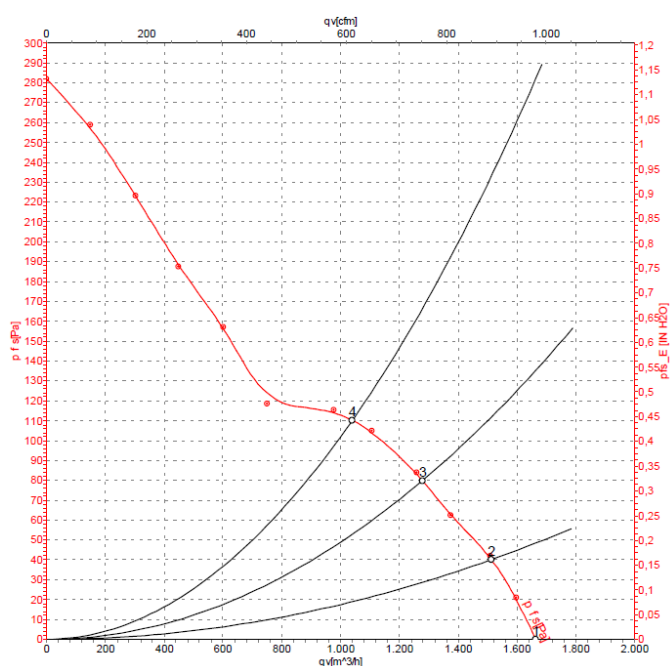
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data													
			Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
	Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
	A2E250AE6501	M2E068-DF	230	50	1610	2550	115	0,51	3,5/400	72	150	-25...+55	2,2
			230	60	1740	2750	165	0,74	3,5/400	73	130	-25...+50	

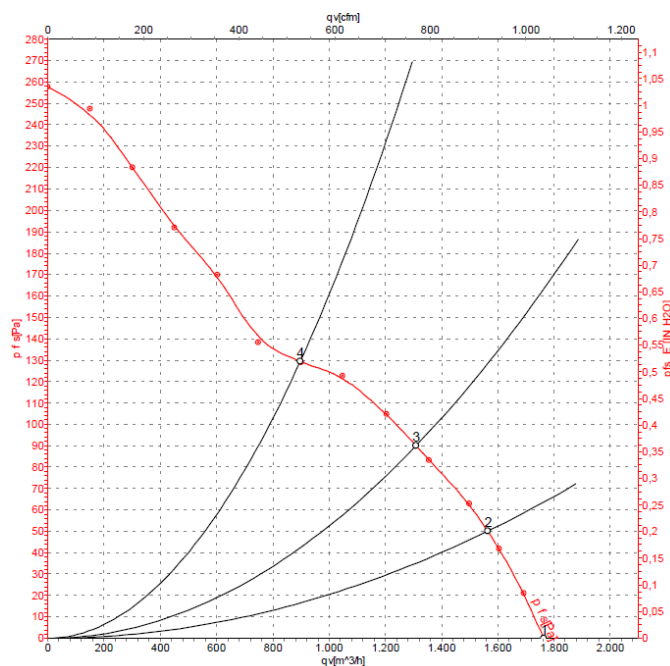
Subject to modification

[Pricelist](#)

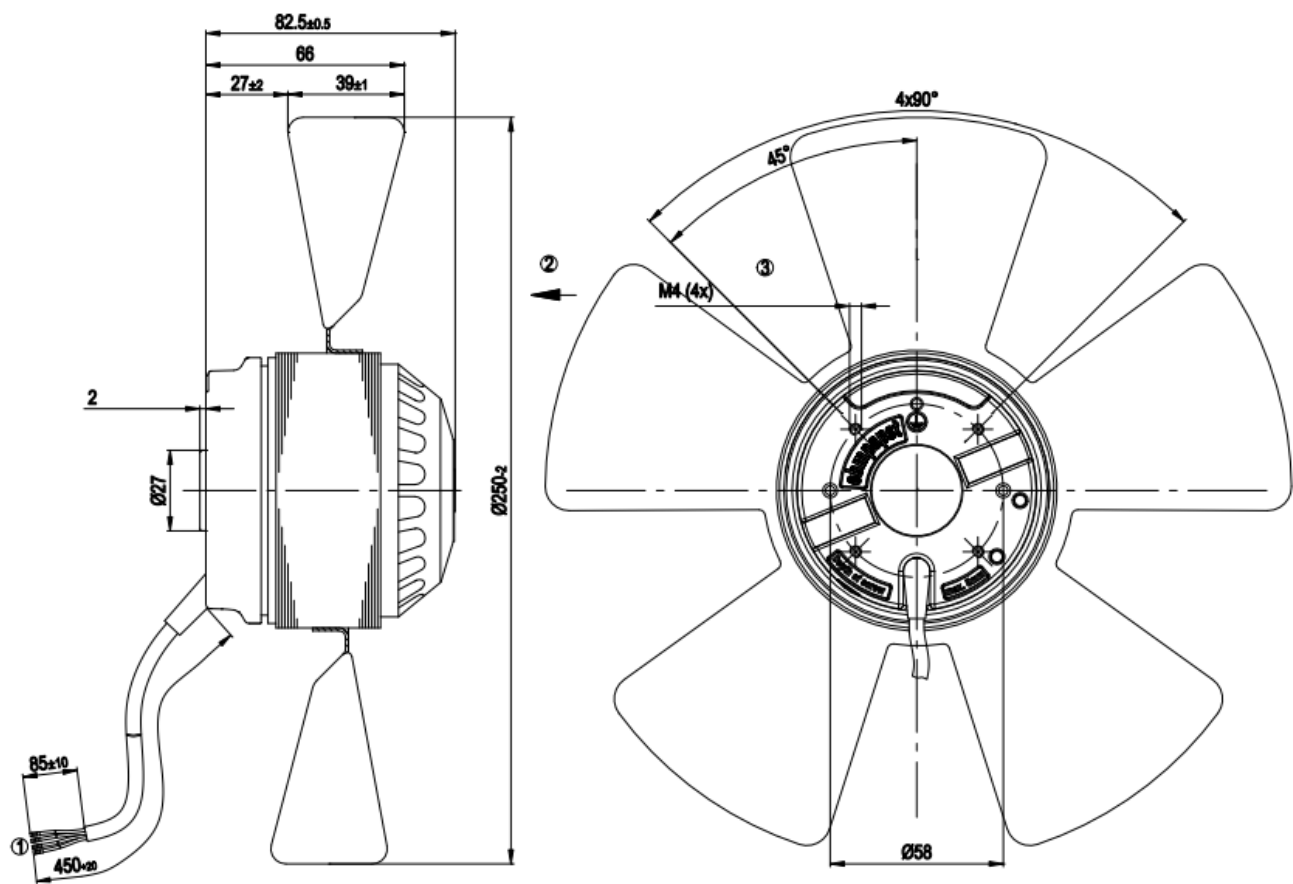
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

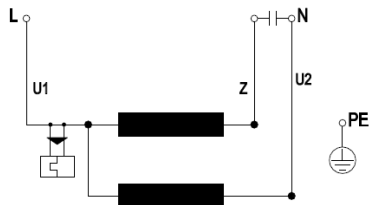


Drawing



1	Cable PVC 4G 0.5 mm², 4x crimped splices
2	Direction of air flow "V"
3	Max. clearance for screw 5 mm

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

W2E250CE6502

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Integrated temperature switches
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

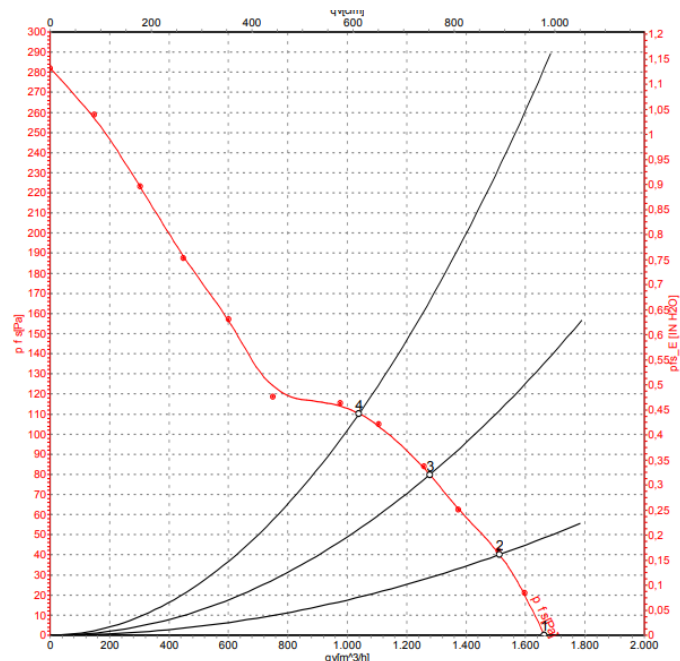
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
W2E250CE6502	M2E068-DF	230	50	1610	2550	115	0,51	3,5/400	72	150	-25...+55	2,2
		230	60	1740	2750	165	0,74	3,5/400	73	130	-25...+50	

Subject to modification

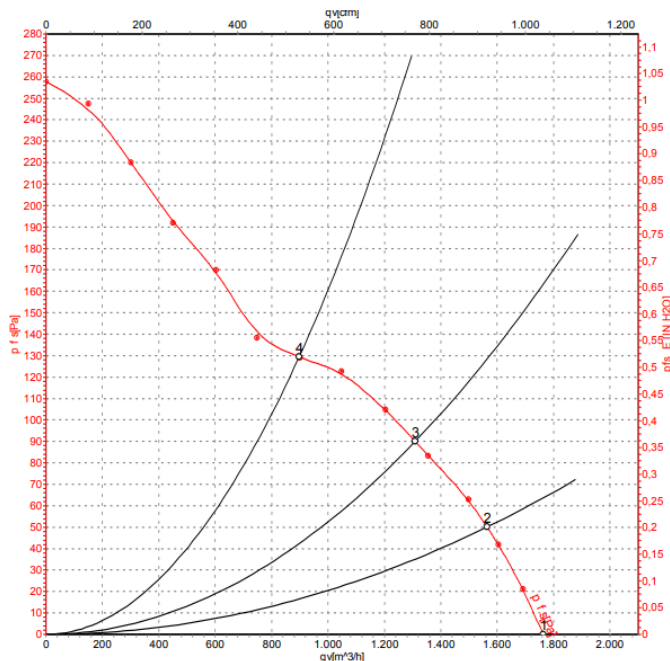
[Pricelist](#)

Capacitor
66785-4-7320

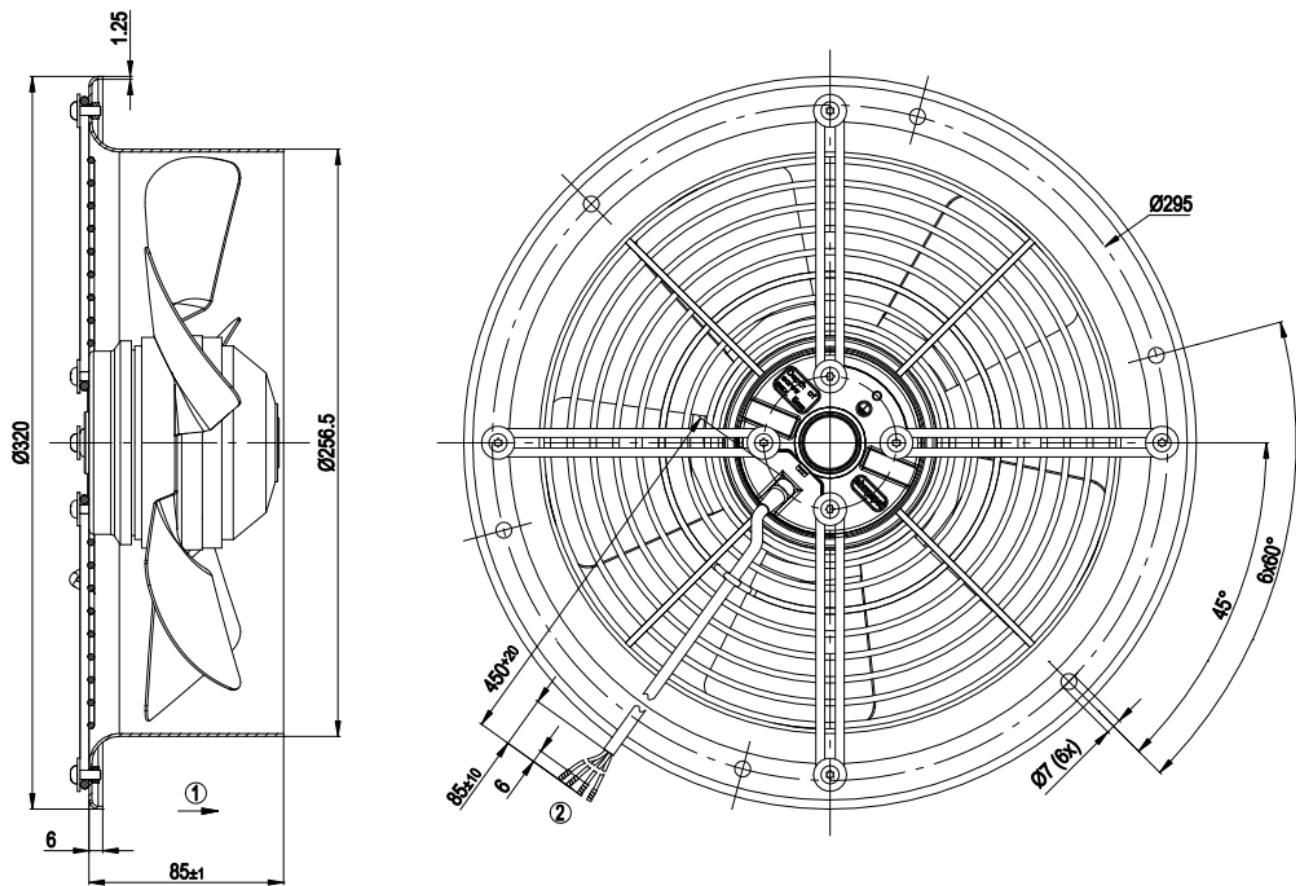
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

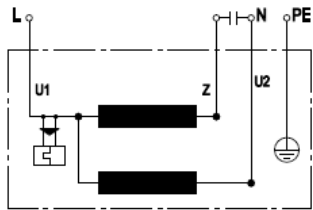


Drawing



- | | |
|---|---|
| 1 | Direction of air flow "A" |
| 2 | Cable PVC 4G 0.5 mm ² , 4x crimped splices |

Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |

W4S250CA0201

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE; UL available

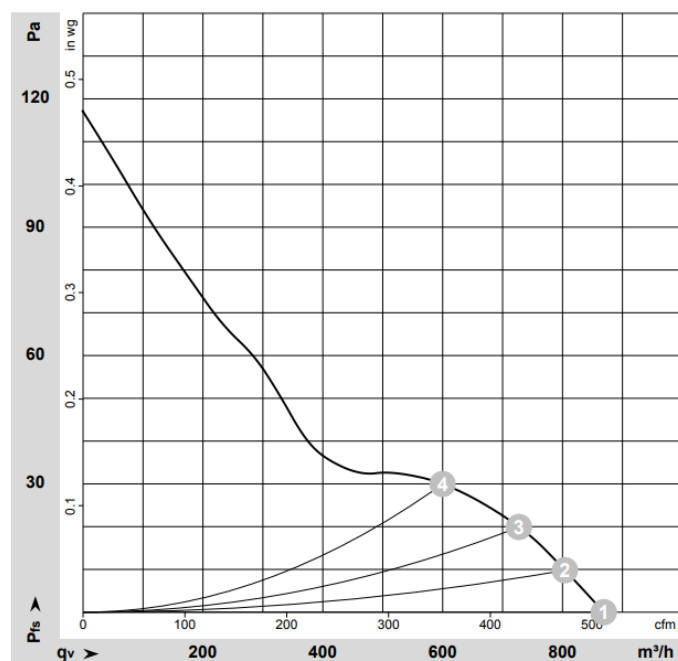
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
W4S250CA0201	M4S068-CF	230	50	870	1400	72	0,53	-	58	80	-25..+40	1,7
		230	60	1000	1620	67	0,46	-	62	100	-25..+50	

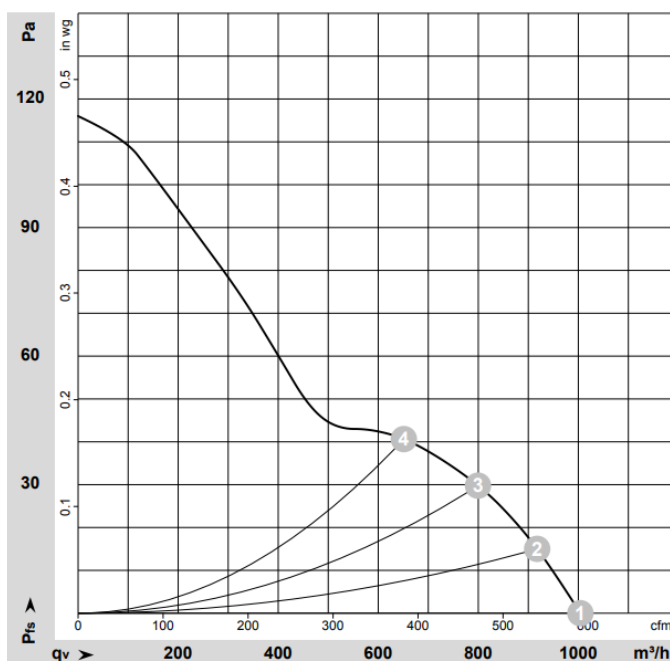
Subject to modification

[Pricelist](#)

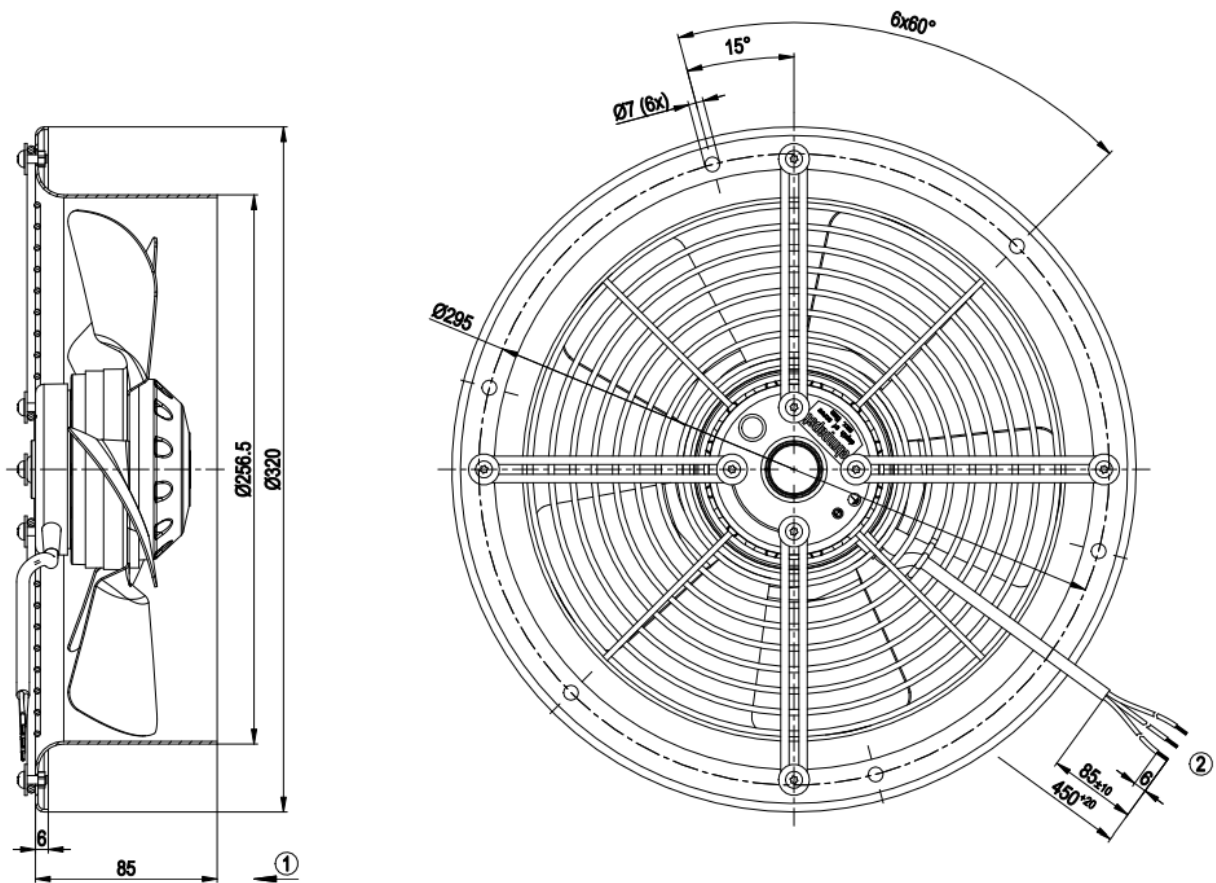
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

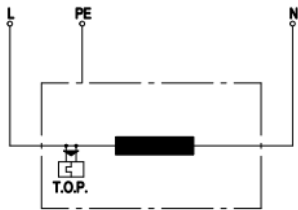


Drawing



- | | |
|---|---|
| 1 | Airflow direction "V" |
| 2 | Cable PVC 3G 0.5 mm ² , 3x crimped splices |

Connection illustration



- | | |
|-----|------------------------------|
| L | = blue |
| PE | = green/yellow |
| N | = brown |
| TOP | = thermal overload protector |

A2E300AC4702

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Maintenance free ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

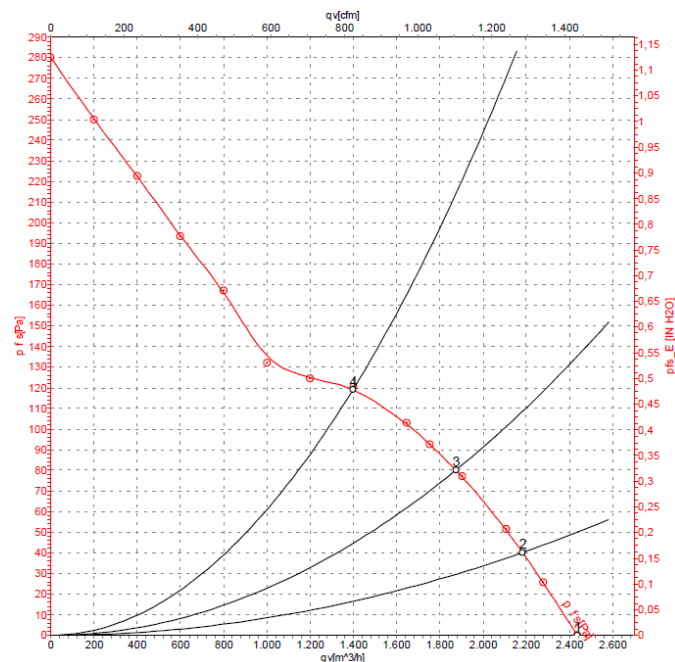
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
A2E300AC4702	M2E068-EC	230	50	2440	2650	140	0,62	5/400	75	150	-25...+55	2,5
		230	60	2700	2900	190	0,83	5/400	78	150	-25...+50	

Subject to modification

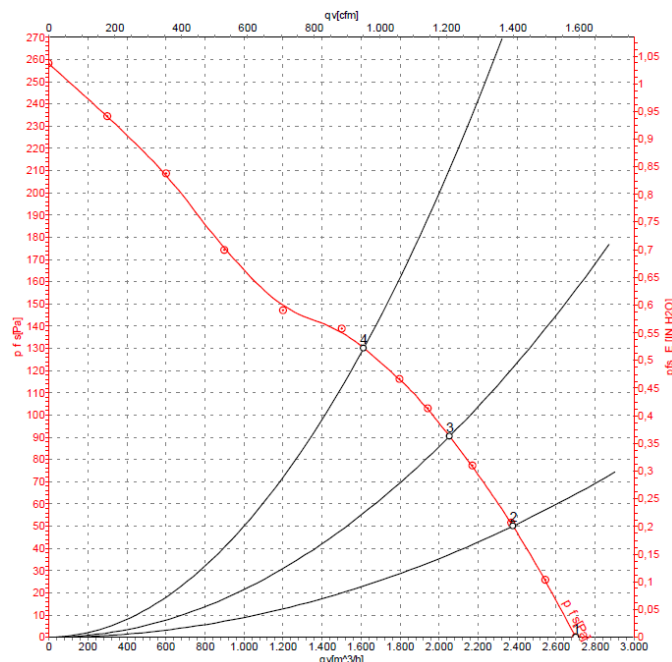
[Pricelist](#)

Capacitor
[280F00037](#)

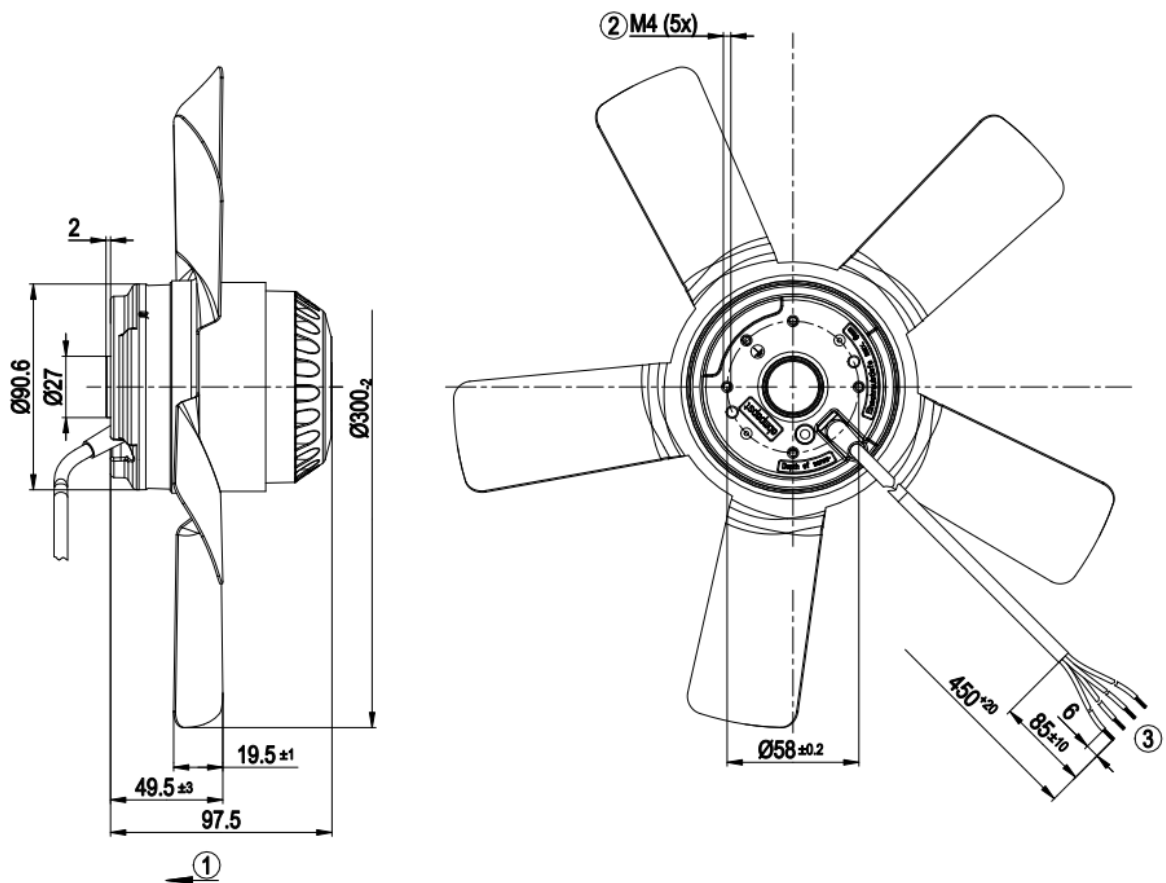
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz



Drawing



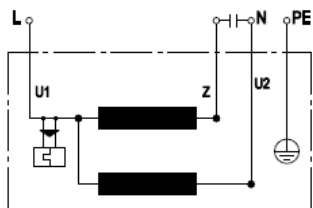
1 Direction of air flow "A"

2 Max. clearance for screw 6 mm

3 Cable PVC 4G 0.5 mm²

4x splice

Connection illustration



U1 blue

Z brown

U2 black

PE green/yellow

S4E300AS7230 Hyblade

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Press-fitted steelplate blades, sprayed with PP
- Number of blades: 5

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Free
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

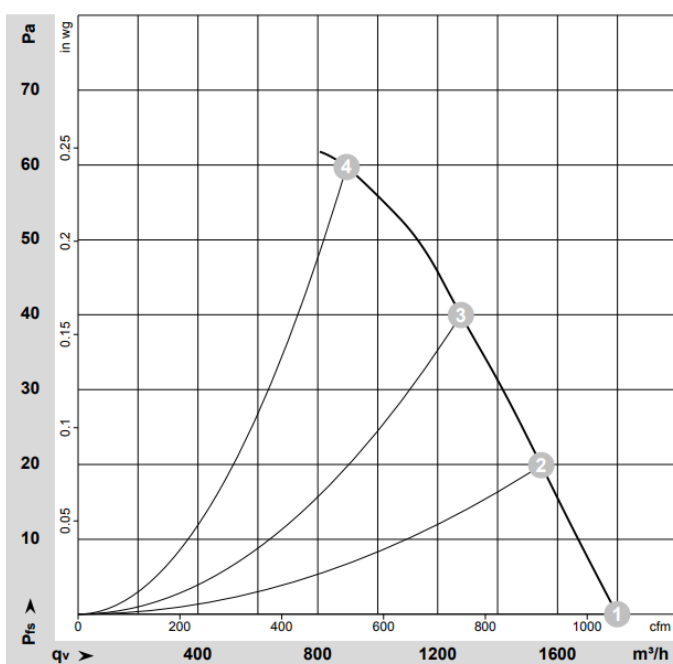
Conformity with standards

- Norm: EN 60335-1; CE; UL available

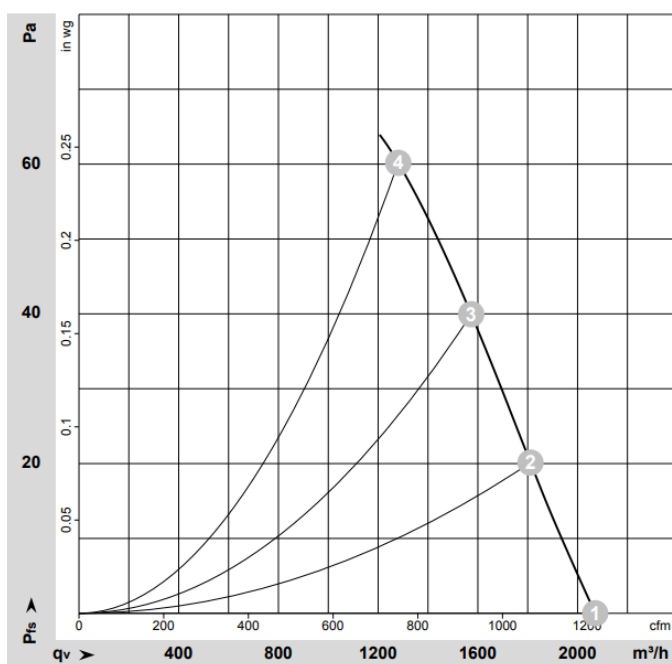
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
S4E300AS7230 Hyblade	M4E068-CF	230	50	1800	1320	72	0,32	2/400	60	60	-25..+50	2,8	
		230	60	2070	1500	90	0,40	2/400	63	60	-25..+50		
Subject to modification						Capacitor							
Pricelist						280F00033							

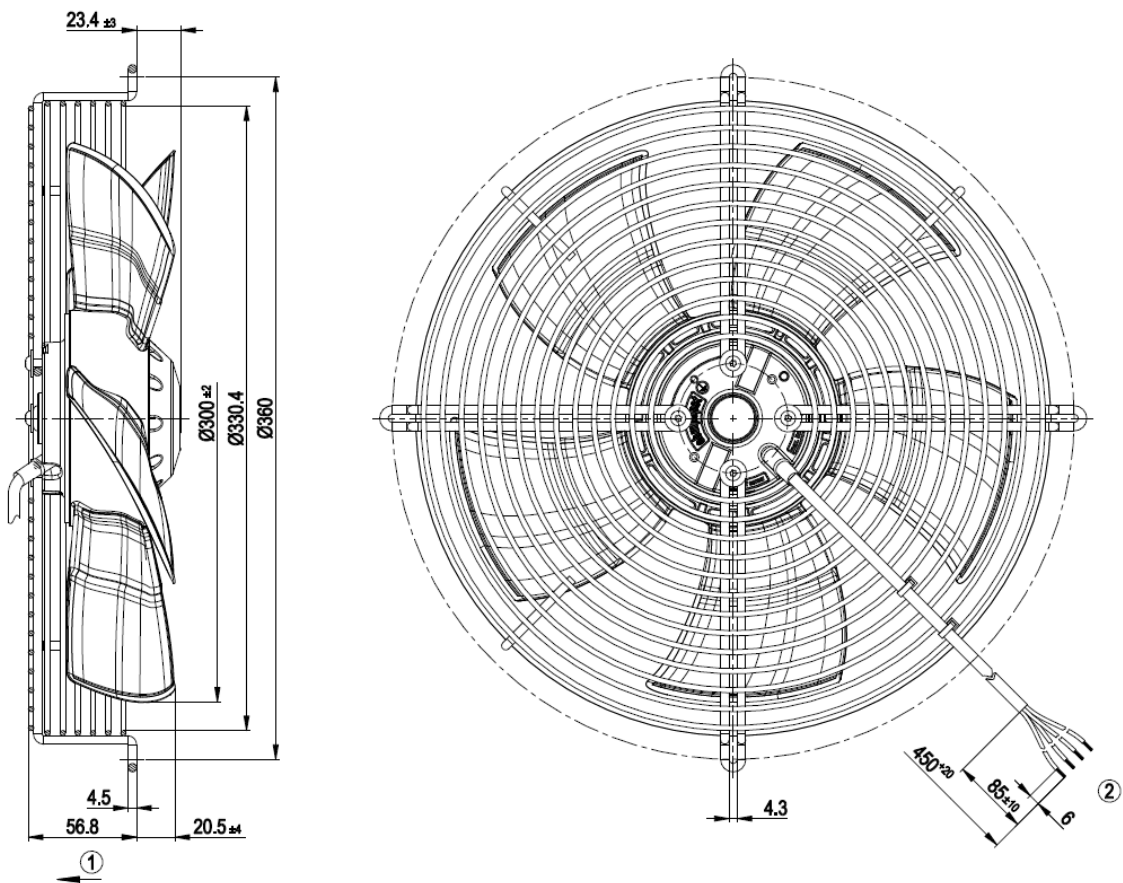
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

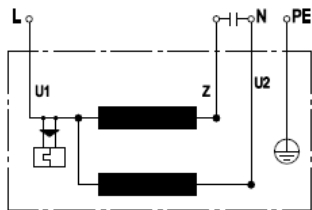


Drawing



- | | |
|---|--|
| 1 | Direction of air flow "V" |
| 2 | Cable PVC 4G 0.5 mm², 4x crimped splices |

Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |

S4E300AS7231 Hyblade

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Press-fitted steelplate blades, sprayed with PP
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Free
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

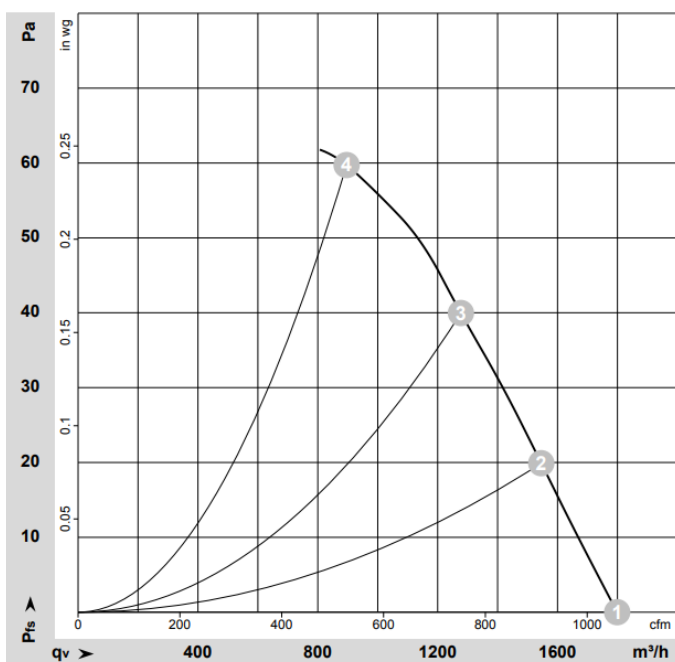
Conformity with standards

- Norm: EN 60335-1; CE

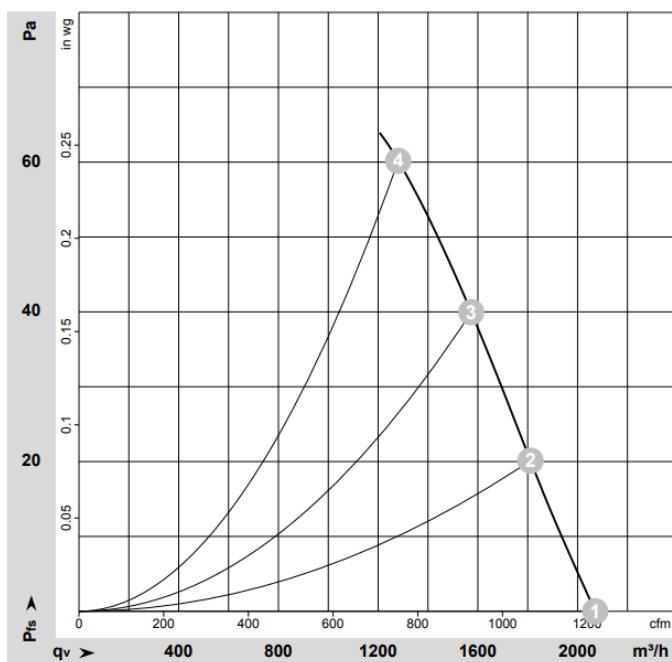
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
S4E300AS7231 Hyblade	M4E068-CF	230	50	1800	1320	72	0,32	2/400	60	60	-25..+50	2,8	
		230	60	2070	1500	90	0,40	2/400	63	60	-25..+50		
Subject to modification						Capacitor							
Pricelist						280F00033							

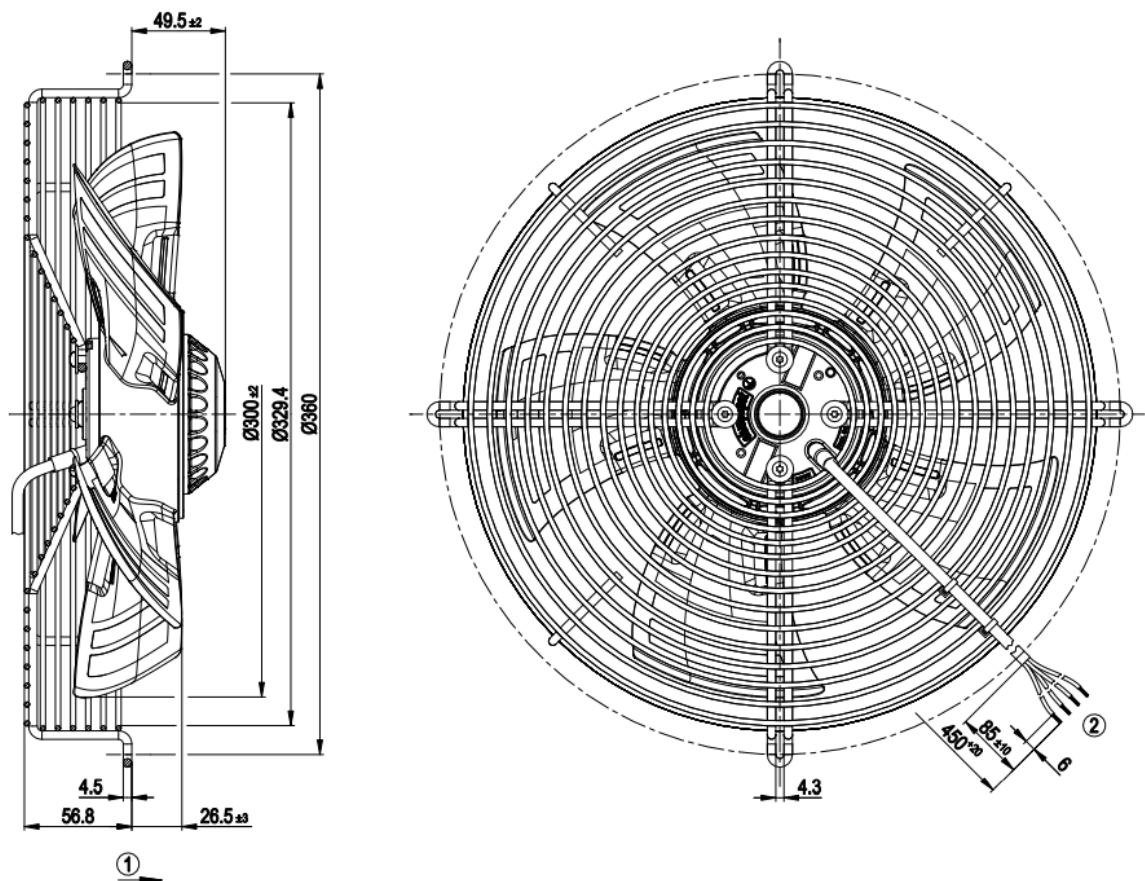
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

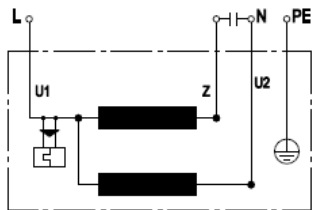


Drawing



- | | |
|---|---|
| 1 | Direction of air flow "A" |
| 2 | Cable PVC 4X 0.5 mm ² , 4x crimped splices |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

S4E350AN0230 Hyblade

AC axial fans

[Back to product overview:](#)



Material/surface

- Rotor coated black
- Press-fitted steelplate blades, sprayed with PP
- Number of blades: 5

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP44
- Isolation: F
- Condensate discharges: Rotor Side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Axial out of stator, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
S4E350AN0230 Hyblade	M4E074-DF	230	50	3300	1340	165	0,73	4/400	62	90	-25...+65	4,8

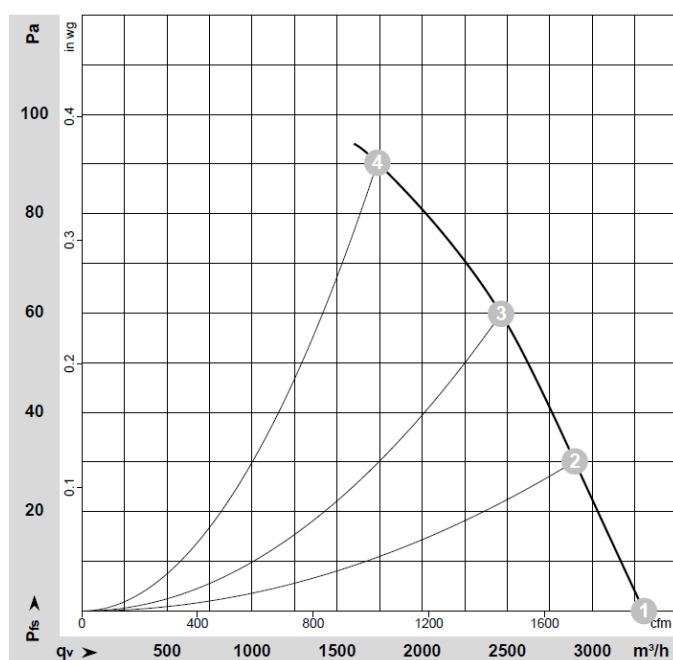
Subject to modification

[Pricelist](#)

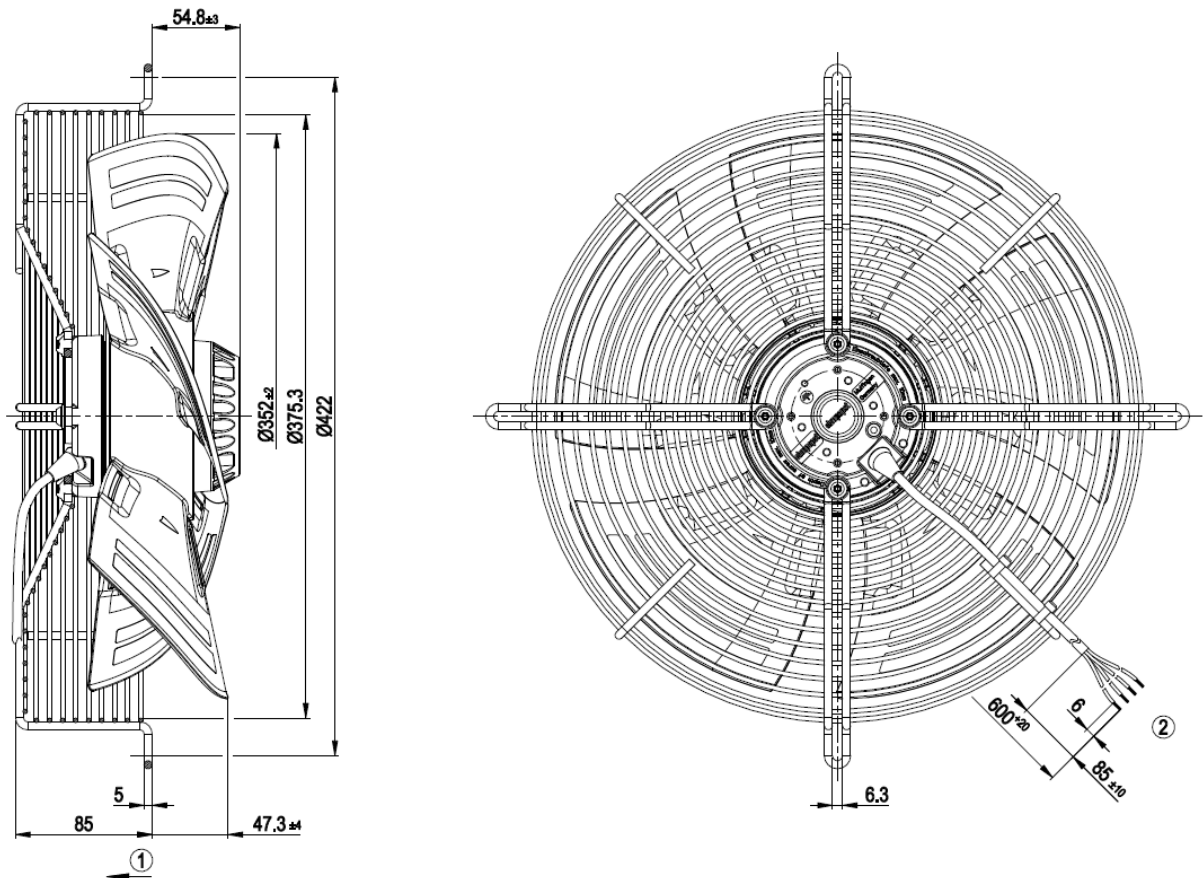
Capacitor

[280F00036](#)

Pressure over air flow at 50Hz

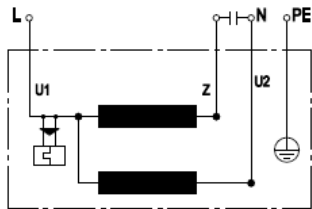


Drawing



- | | |
|---|--|
| 1 | Direction of air flow "V" |
| 2 | Cable silicone 4G 0.5 mm ² , 4x crimped splices |

Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |

S4E400AP0204

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

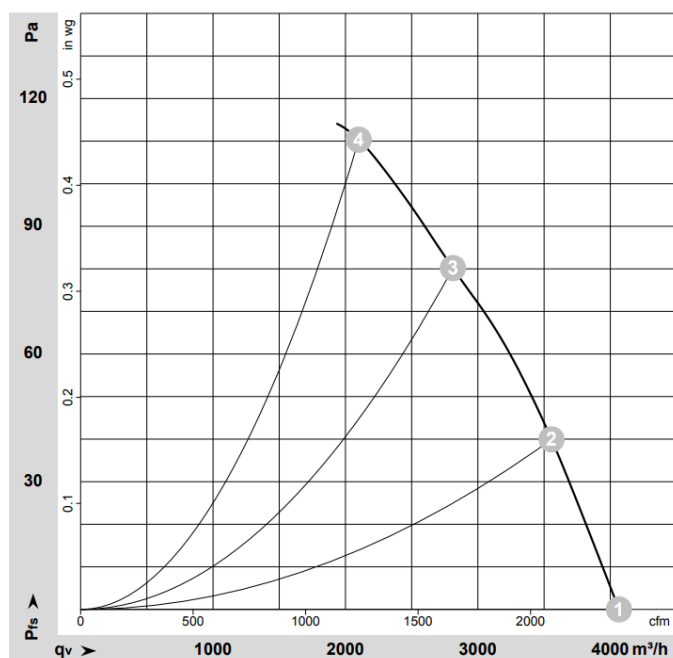
Conformity with standards

- Norm: EN 60335-1; CE

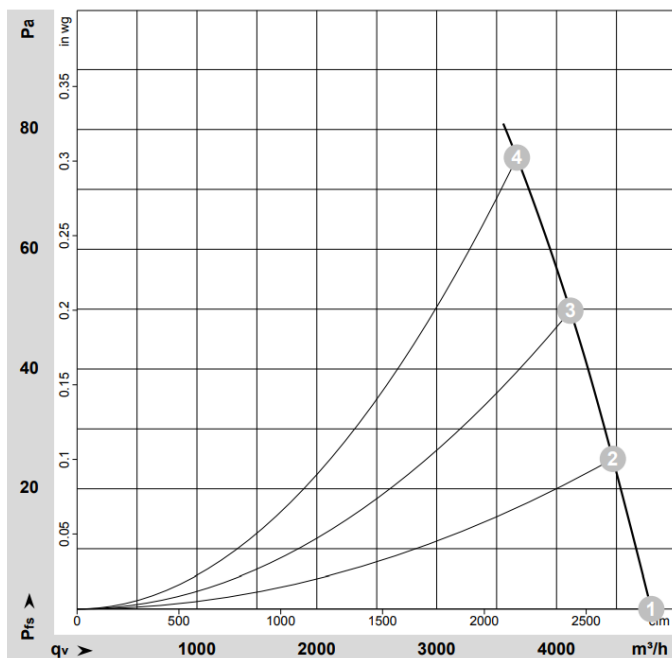
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
S4E400AP0204	M4E074-EI	230	50	4235	1430	160	0,73	6/400	69	110	-25..+40	5,9
		230	60	4950	1700	240	1,06	6/400	73	75	-25..+40	
Subject to modification							Capacitor					
Pricelist							280F00038					

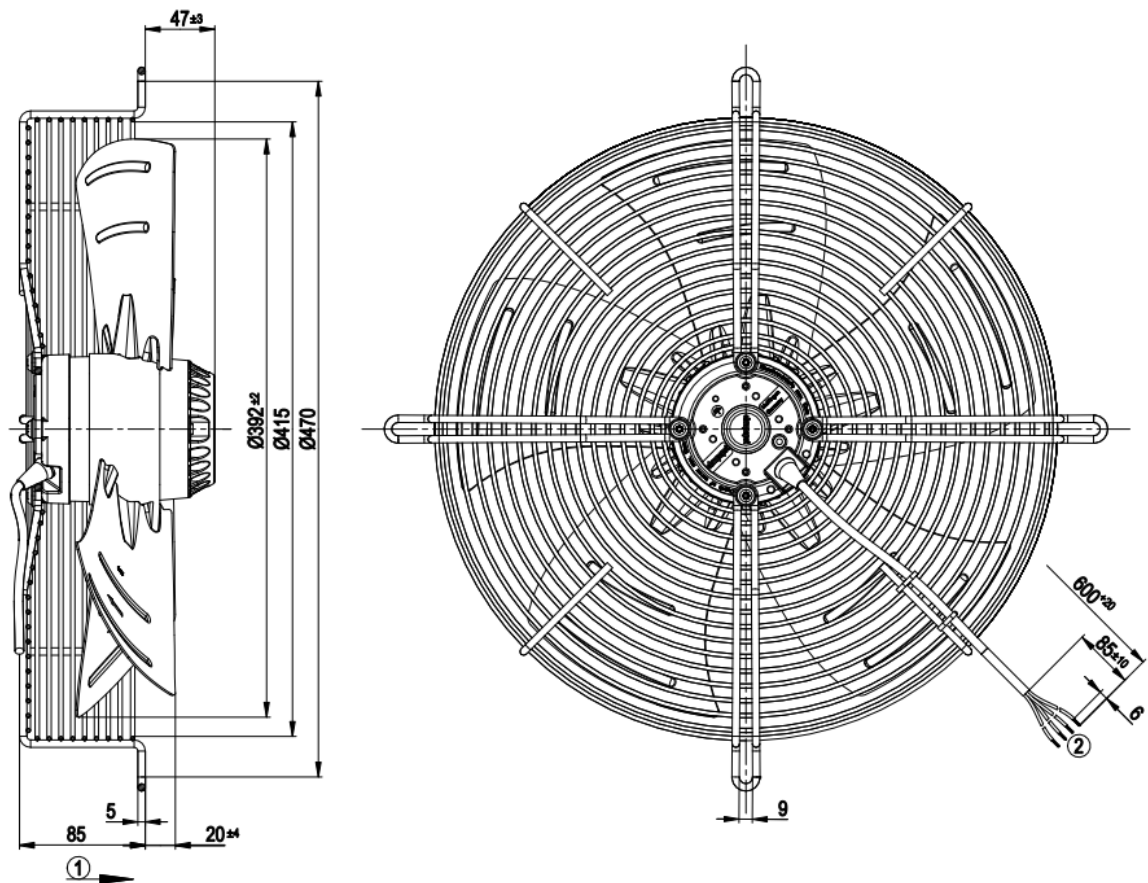
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

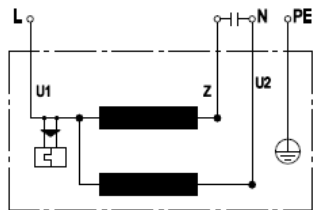


Drawing



- | | |
|---|---|
| 1 | Direction of air flow "A" |
| 2 | Cable PVC 4G 0.5 mm ² , 4x crimped splices |

Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |

S4E450AP0101

AC axial fans



[Back to product overview:](#)



Material/surface

- Rotor coated black
- Steelplate blades, coated black
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: Rotor side
- Mounting position: Free, rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 600 mm

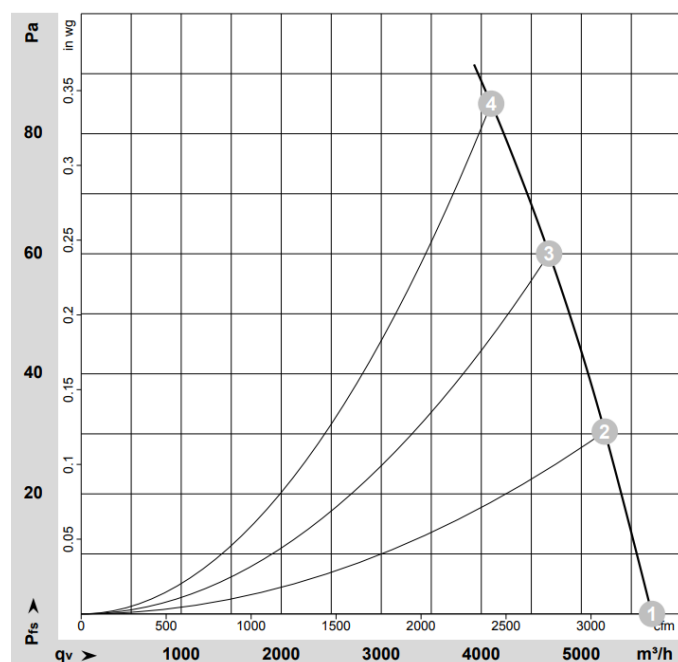
Conformity with standards

- Norm: EN 60335-1; CE

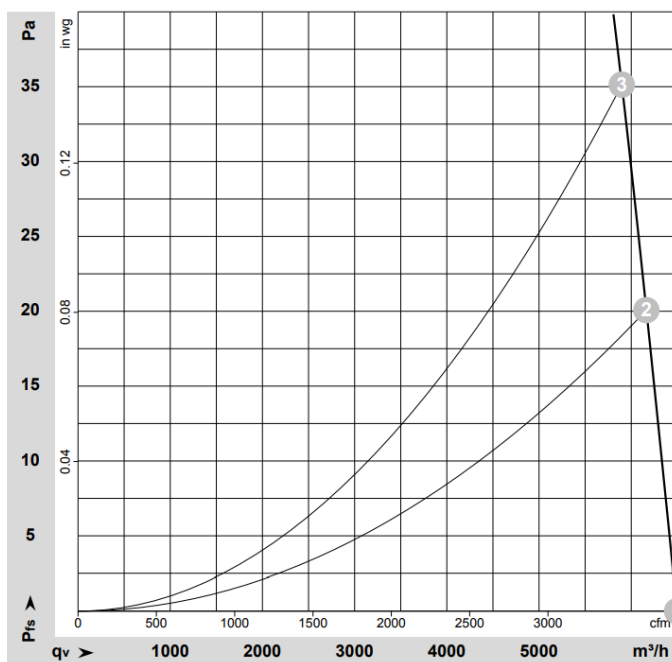
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
S4E450AP0101	M4E074-GA	230	50	5700	1400	245	1,1	8/400	73	85	-25..+60	7,1
		230	60	6500	1600	355	1,55	8/400	76	35	-25..+40	
Subject to modification							Capacitor					
Pricelist							280F00039					

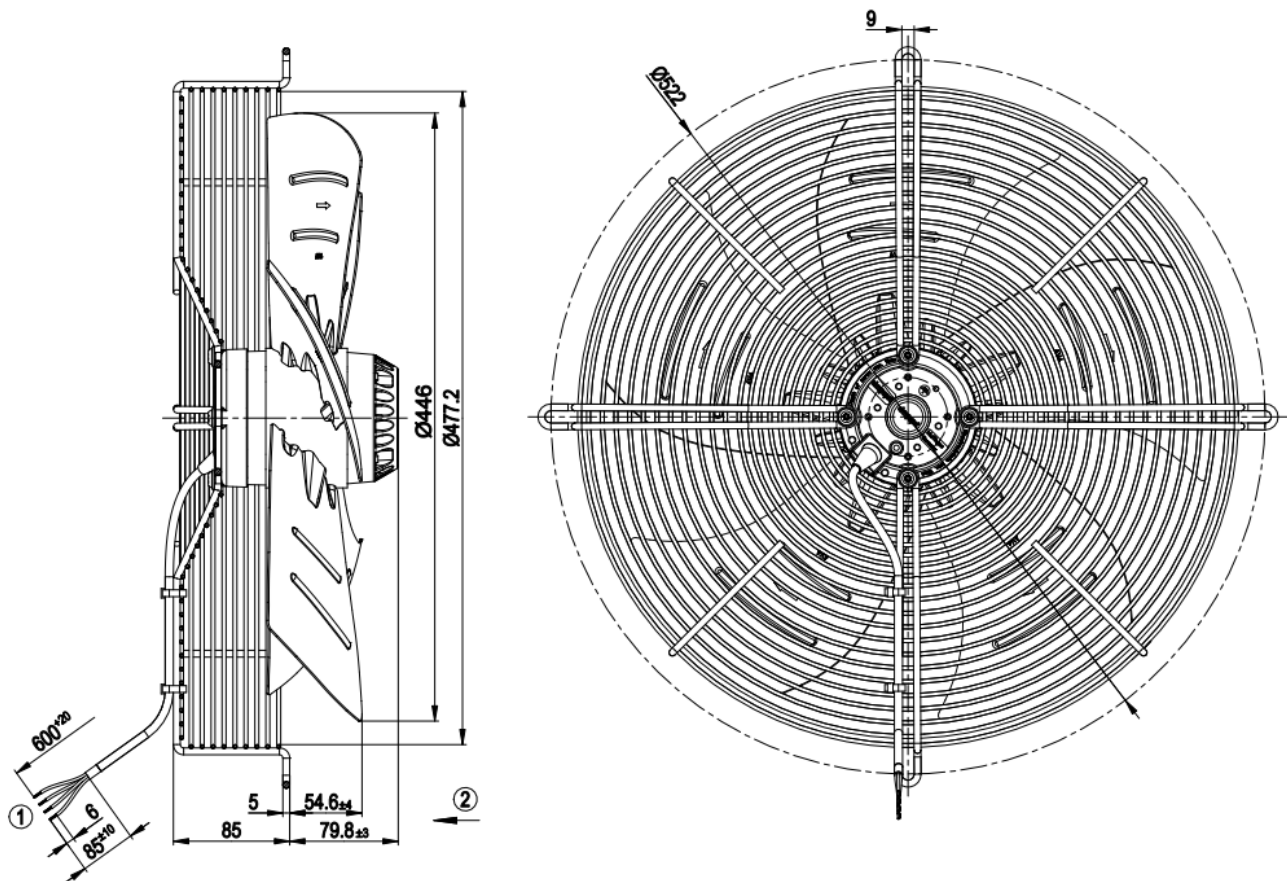
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

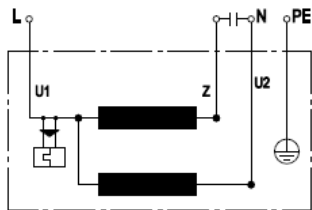


Drawing



- | | |
|---|---|
| 1 | Cable silicone 4G 0.5 mm ² , 4x crimped splice |
| 2 | Direction of air flow "V" |

Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |



EC axial fans

ebmpapst

engineering a better life

W1G200EC8725 ESM

EC axial fans

[Back to product overview:](#)



Material/surface

- PP plastic
- PA plastic blades
- Number of blades: 5

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP55
- Isolation: B
- Mounting position: Free, rotor on top on request
- Mode of operation: S1, 2 speed levels
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Lateral, 450 mm

Conformity with standards

- Norm: EN 60335-1; EN 60335-2-24; EN 60335-2-80; EN 60335-2-89; CE

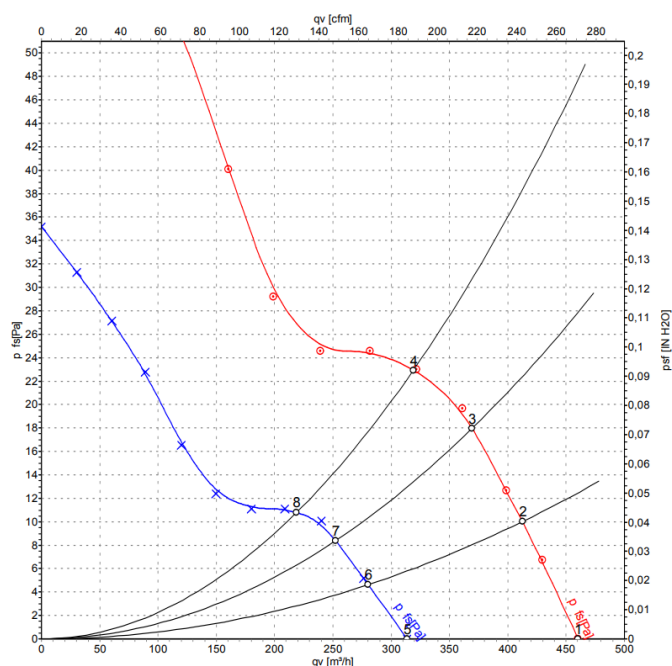
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W1G200EC8725 ESM	M1G055-BD	230	50/60	460	1300	8	0,07	-	-	23	-30...+50	1,0

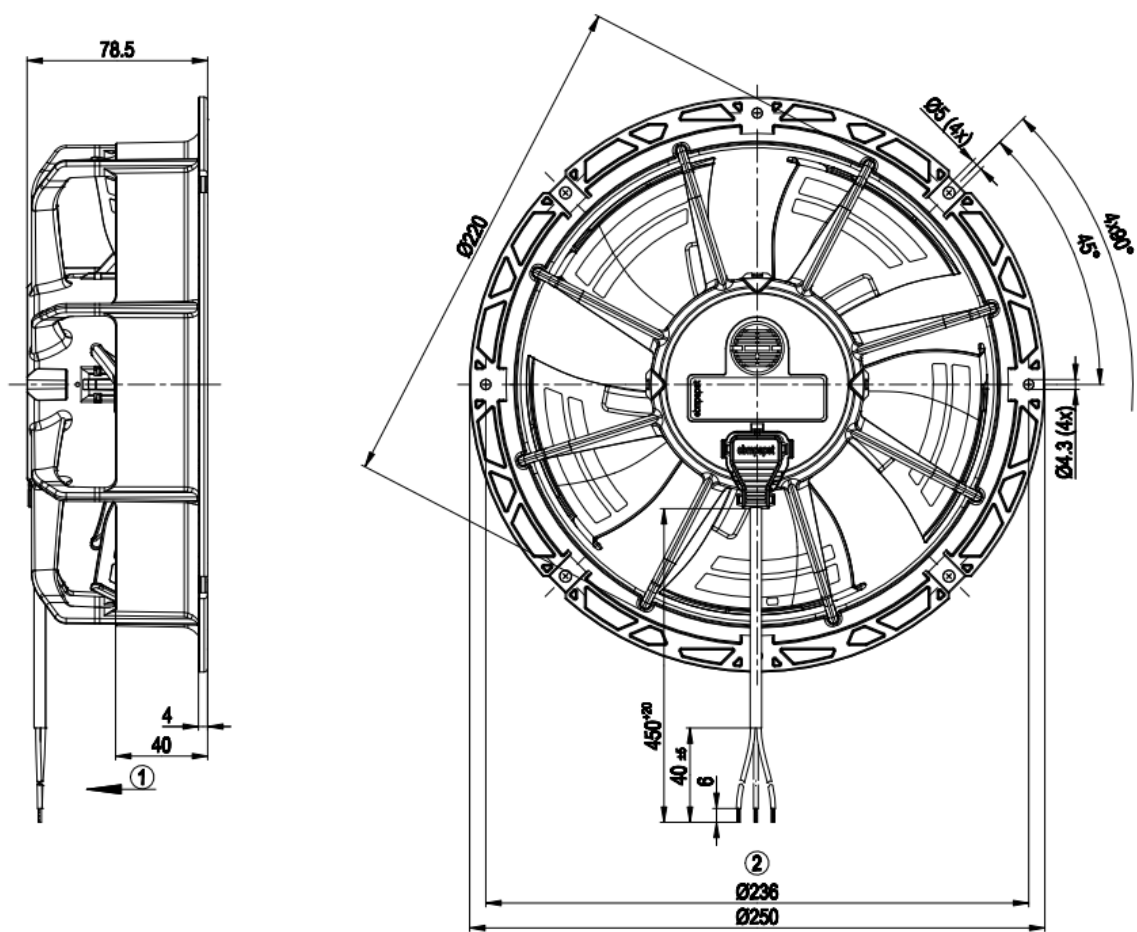
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

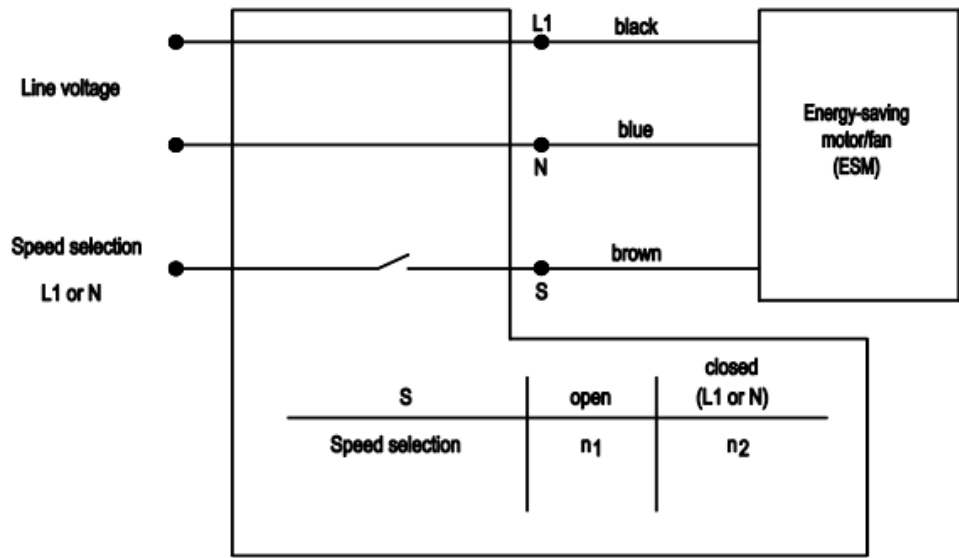


Drawing



- 1 Direction of air flow "V"
- 2 Cable PVC AWG20, 3x crimped splices

Connection illustration



W1G200EC9145 ESM

EC axial fans



[Back to product overview:](#)



Material/surface

- PP plastic
- PA plastic blades
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP55
- Isolation: B
- Mounting position: Free, rotor on top on request
- Mode of operation: S1, 2 speed levels
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Lateral, 450 mm

Conformity with standards

- Norm: EN 60335-1; EN 60335-2-24; EN 60335-2-80; EN 60335-2-89; CE

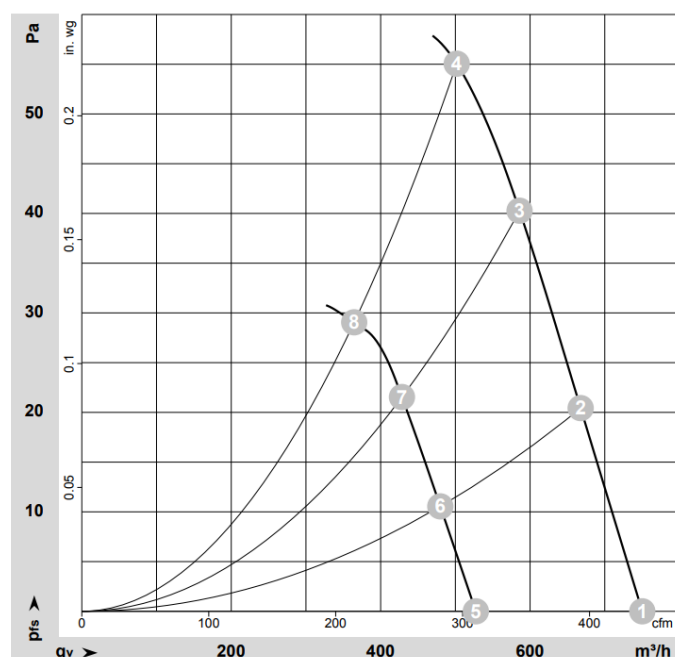
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W1G200EC9145 ESM	M1G055-BD	230	50/60	750	2100	31	0,24	-	-	55	-30..+50	1,0

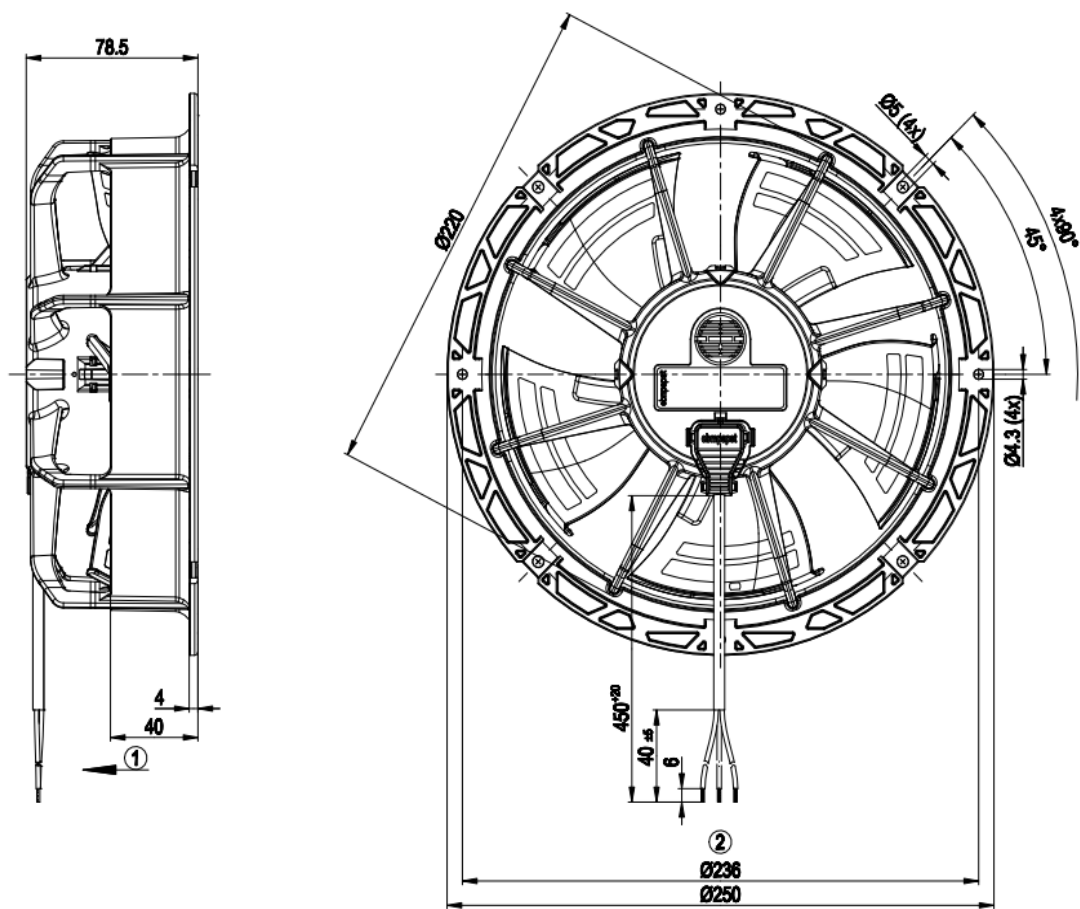
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

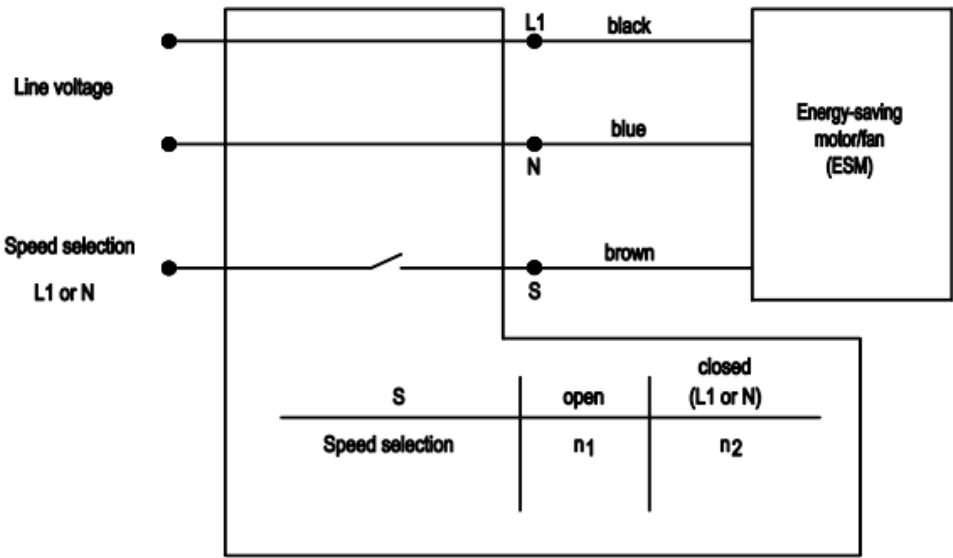


Drawing



- 1 Direction of air flow "V"
- 2 Cable PVC AWG20, 3x crimped splices

Connection illustration



W3G300DN0253

EC axial fans



[Back to product overview:](#)



Material/surface

- Rotor: Galvanized
- Terminal box: ABS plastic
- Blades: Press-fitted sheet steel blank, sprayed with PP plastic
- Fan housing: Sheet steel, pre-galvanized and coated with black plastic (RAL 9005)
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable

Conformity with standards

- Norm: EN 60335-1; CE

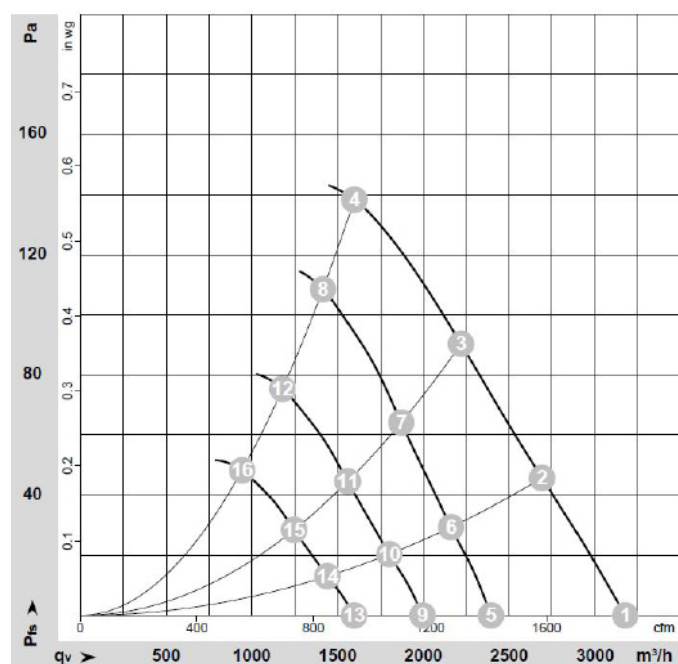
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W3G300DN0253	M3G074-CF	230	50/60	3175	2020	170	1,35	-	-	140	-25..+60	5,0

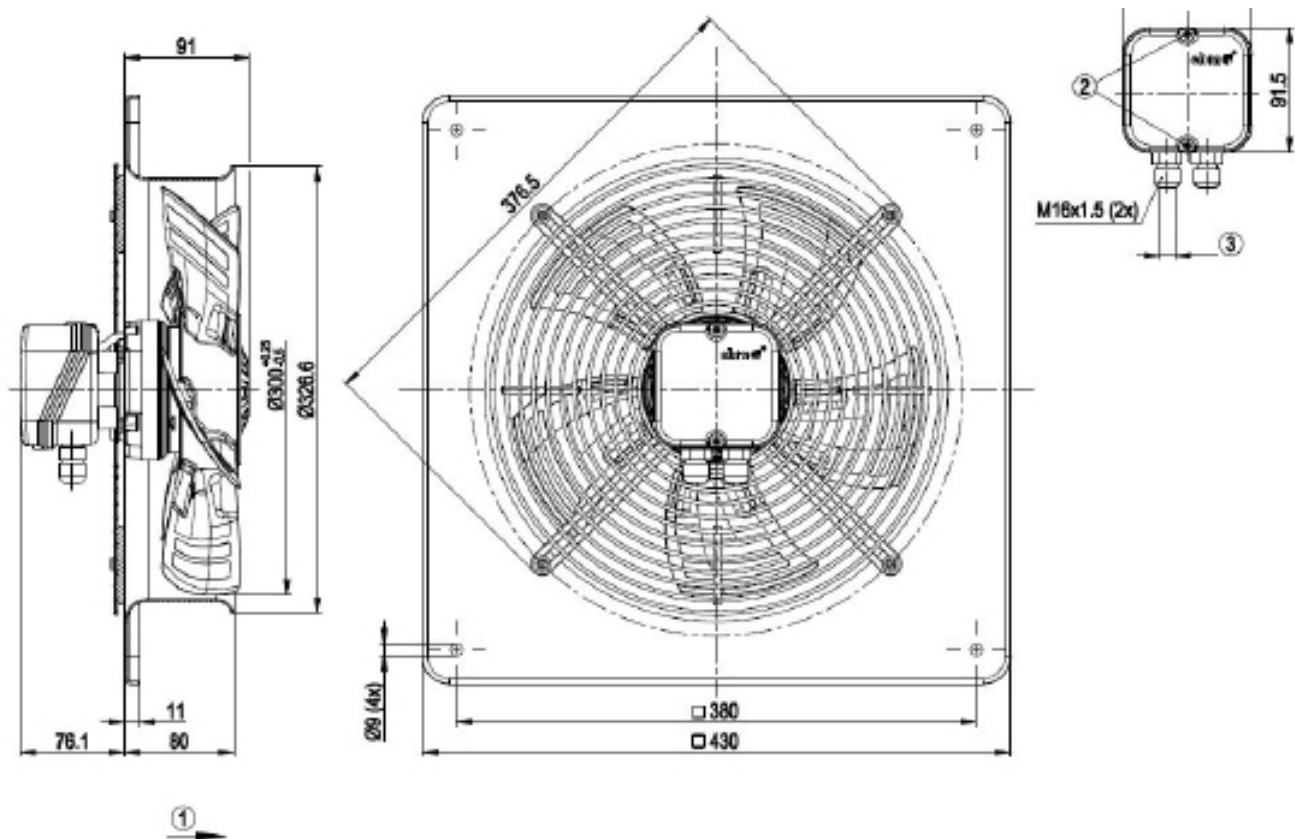
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

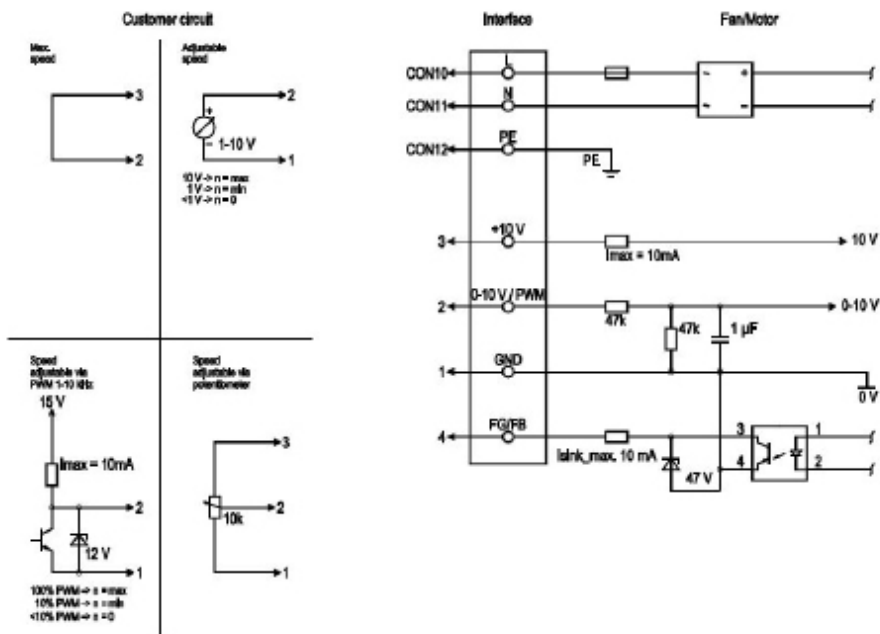


Drawing



- | | |
|---|--|
| 1 | Direction of air flow "A" |
| 2 | Tightening torque 0.5 ± 0.1 Nm |
| 3 | Cable diameter max. 7.5 mm, tightening torque 1.3 ± 0.2 Nm |

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	black	Supply connection, power supply, phase, see nameplate for voltage range
	CON11	N	blue	Supply connection, power supply, neutral conductor, see nameplate for voltage range
	CON12	PE	green/yellow	Ground connection
2	0- 10V PWM	yellow		0-10 V / PWM control input, Ri=100 kΩ, SELV
3	+10 V	red		Fixed voltage output 10 VDC +/-3 %, Imax. 10 mA, short-circuit-proof, power supply for ext. devices (e.g. pot), SELV
1	GND	blue		Reference ground for control interface, SELV
4	FG/FB	white		Fan good / fan bad: open collector, fan good = high, electrically isolated, Isink max = 10 mA

W3G450DL03H4

EC axial fans



[Back to product overview:](#)



Material/surface

- Rotor: Painted black
- Terminal box: PP plastic
- Blades: Press-fitted sheet steel blank, sprayed with PP plastic
- Fan housing: Sheet steel, pre-galvanized and coated with black plastic (RAL 9005)
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP55
- Isolation: F
- Mounting position: Shaft horizontal or rotor on top; rotor on bottom on request
- Bearings: Ball bearings
- Motor protection: Thermal overload protector

Conformity with standards

- Norm: EN 61800-5-1; CE

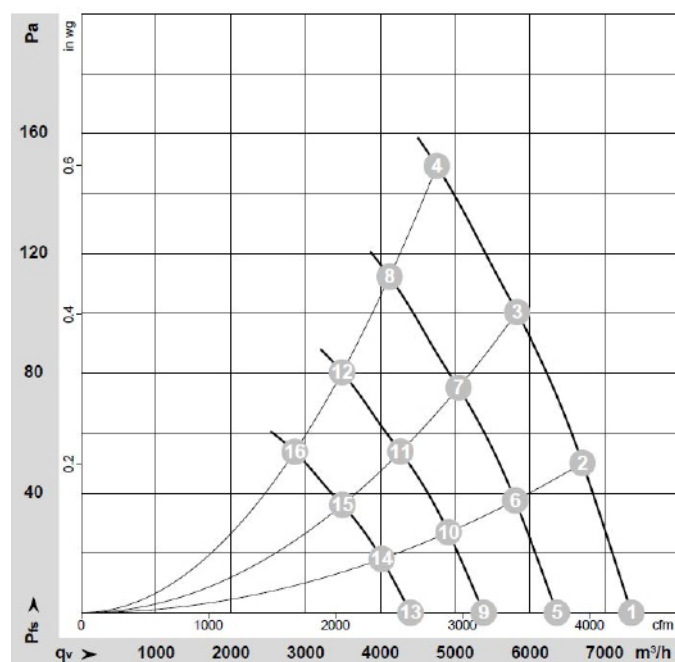
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W3G450DL03H4	M3G084-FA	230	50/60	7355	1500	500	2,2	-	-	150	-25..+60	10,0

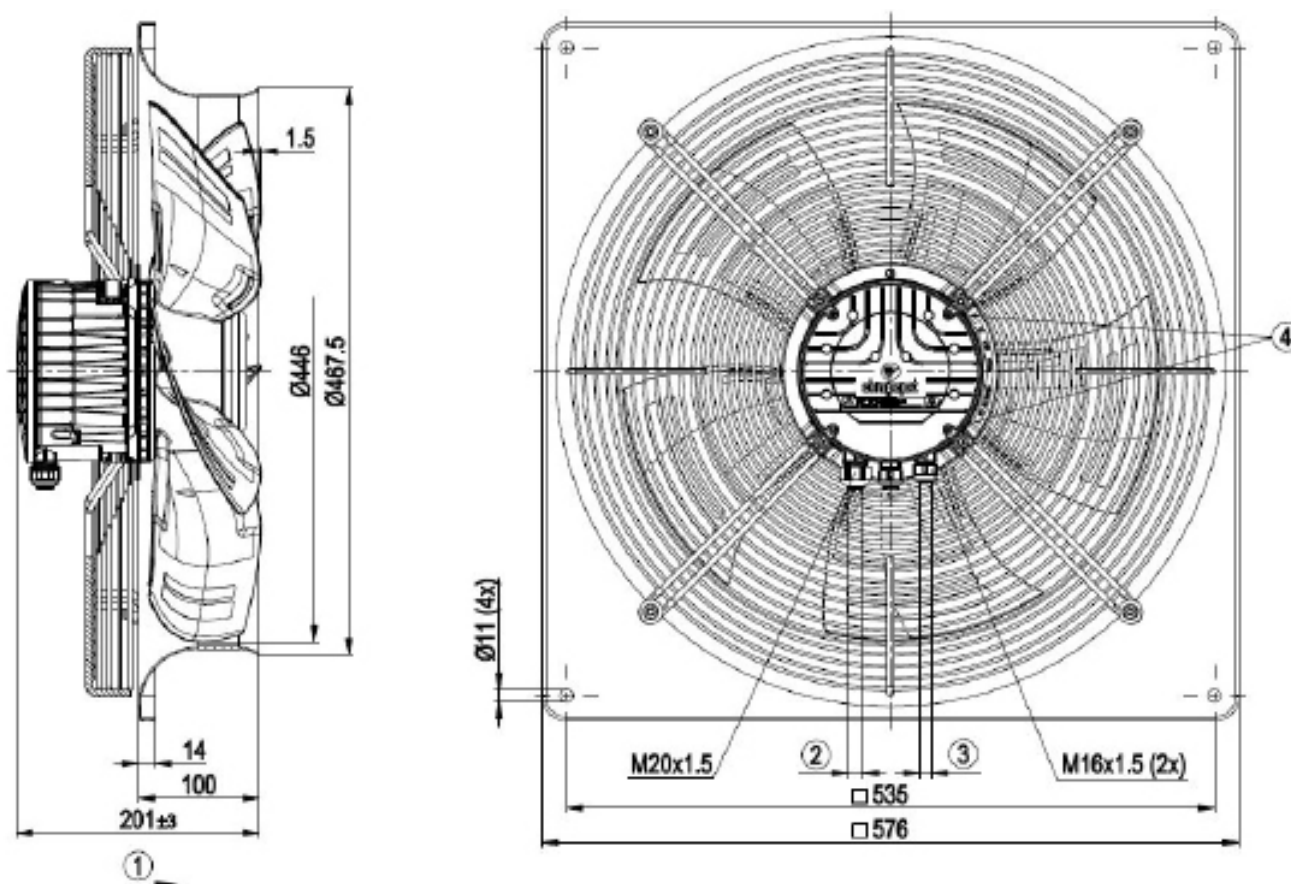
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz



Drawing

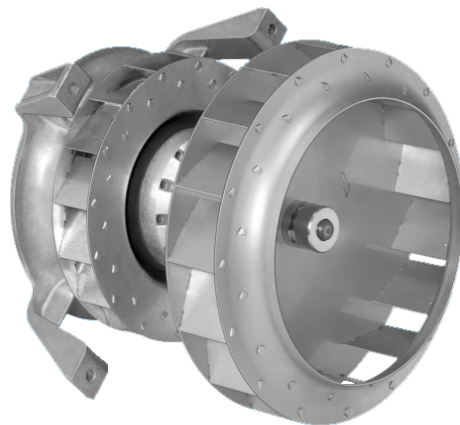
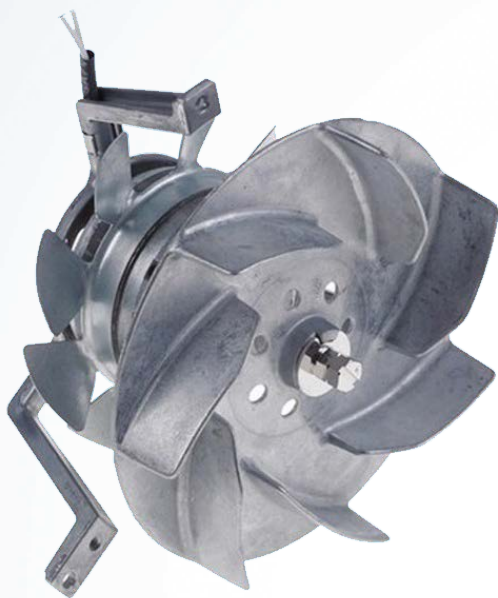


1	Direction of air flow "A"
2	Cable diameter min. 8 mm, max. 12 mm, tightening torque 1.8±0.3 Nm (use must be made of seal provided) Cable diameter min. 4 mm, max. 10 mm, tightening torque 1.8±0.3 Nm
3	Cable diameter min. 6 mm, max. 10 mm, tightening torque 1.8±0.3 Nm (use must be made of seal provided) Cable diameter min. 4 mm, max. 7 mm, tightening torque 1.8±0.3 Nm
4	Tightening torque 1.5 ± 0.2 Nm

Connection illustration

PE	PE	N		L	NC	COM	GND	RSA	RSB	0-10 V	+10 V
1	2	3	4	5	6	7	8	9	10	11	12

No.	Conn.	Designation	Function/assignment
1	PE	PE	Protective earth
2	PE	PE	Protective earth
3	N	N	Power supply, neutral conductor
4	-	-	not used
5	L	L	Power supply, phase
6	NC	NC	Status relay, floating status contact, break for failure, contact rating 250 VAC / 2 A (AC1) / min. 10 mA; basic insulation on supply side and reinforced insulation on control interface side
7	COM	COM	Status relay, floating status contact, common connection, contact rating 250 VAC / 2 A (AC1) / min. 10 mA; basic insulation on supply side and reinforced insulation on control interface side
8	GND	GND	Reference ground for control interface, SELV
9	RSA	RSA	RS485 interface for MODBUS, RSA, SELV
10	RSB	RSB	RS485 interface for MODBUS, RSB, SELV
11	0-10 V	0-10 V	Analog input (set value) SELV, 0-10 V, Ri = 100 kΩ, adjustable curve
12	+10 V	+10 V	Fixed voltage output 10 VDC, SELV, +10 V ±3%, max. 10 mA, short-circuit-proof, power supply for external devices (e.g. pot)



AC hotair blowers

ebmpapst

engineering a better life

R2S150AA0829

AC hotair blowers



Back to product overview:



Material/surface

- Impeller die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Protection: IP22
- Isolation: F
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Cable: Lateral, 200 mm

Conformity with standards

- Norm: EN 60335-1; CE

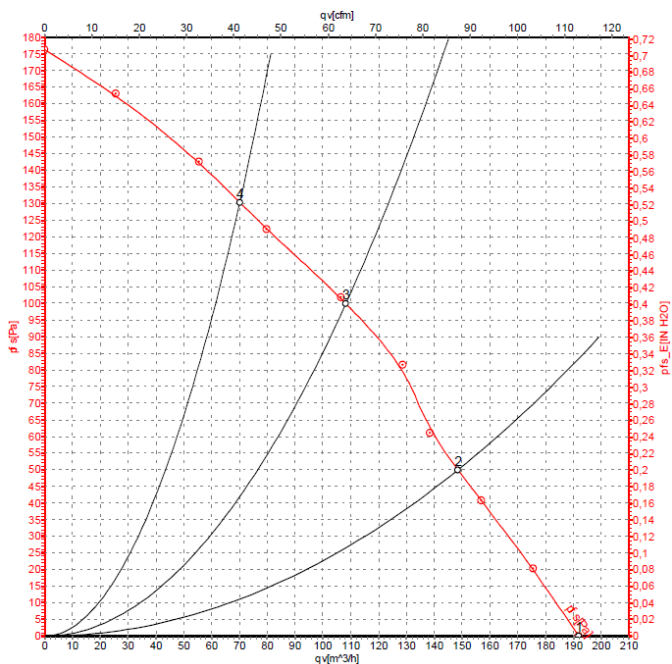
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Min. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
R2S150AA0829	M2S052-EC	230	50	190	2200	43	0,25	-	57	0	-25...+75	0,9

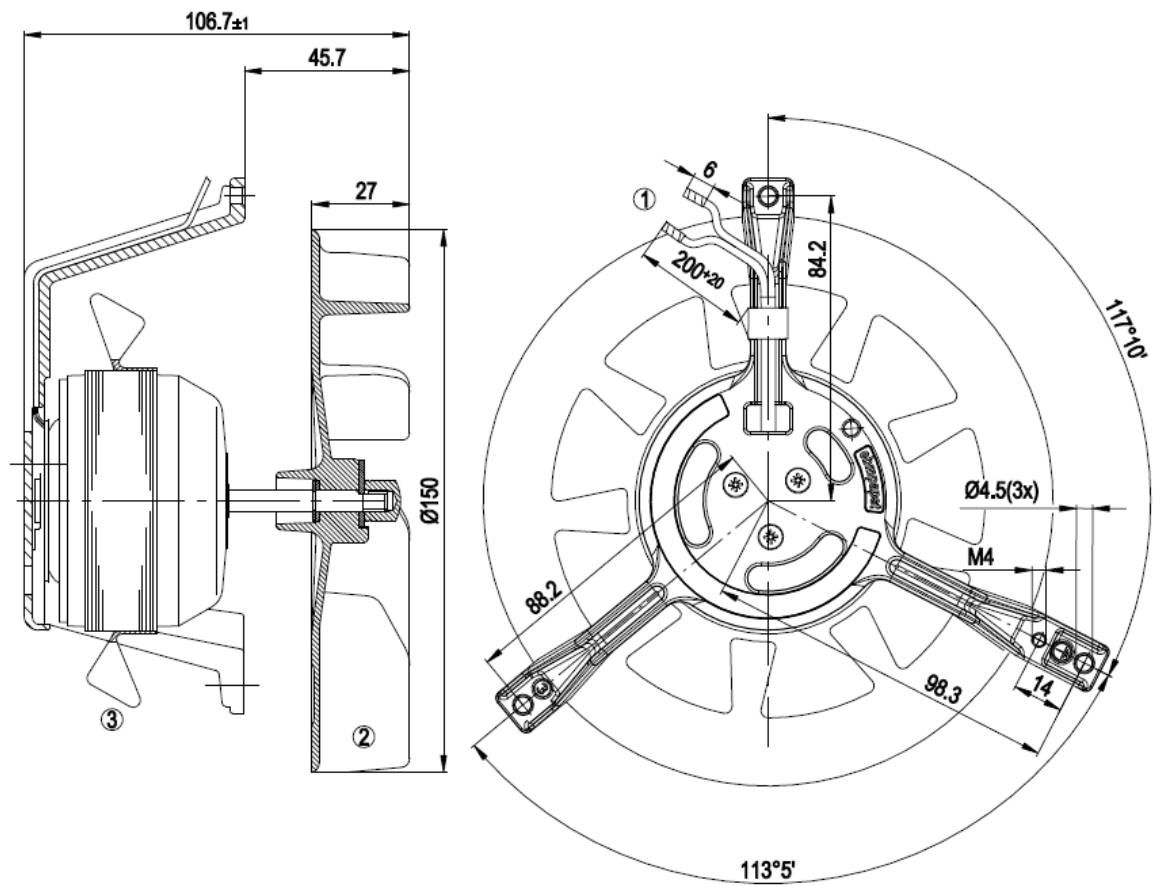
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

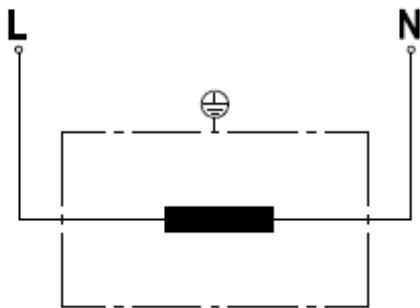


Drawing



- | | |
|---|--|
| 1 | Cable Dipotherm 0.5 mm², 2x crimped splices |
| 2 | Centrifugal fan impeller (die-cast aluminum) |
| 3 | Fan impeller (sheet steel, hot-dip galvanized) |

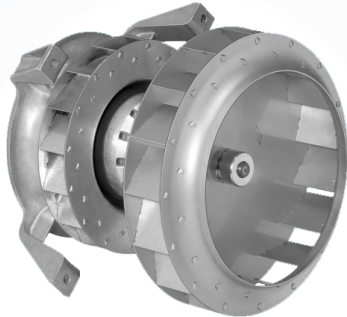
Connection illustration



- | | | | |
|---|-------|---|-------|
| L | white | N | white |
|---|-------|---|-------|

R2E180AH0506

AC hotair blowers



[Back to product overview:](#)



Material/surface

- Rotor unpainted
- Motor mounted with brackets on one side

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP20
- Isolation: F
- Mounting position: Shaft horizontal
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Electrical hookup: Via terminal strip
- Cable: Axial

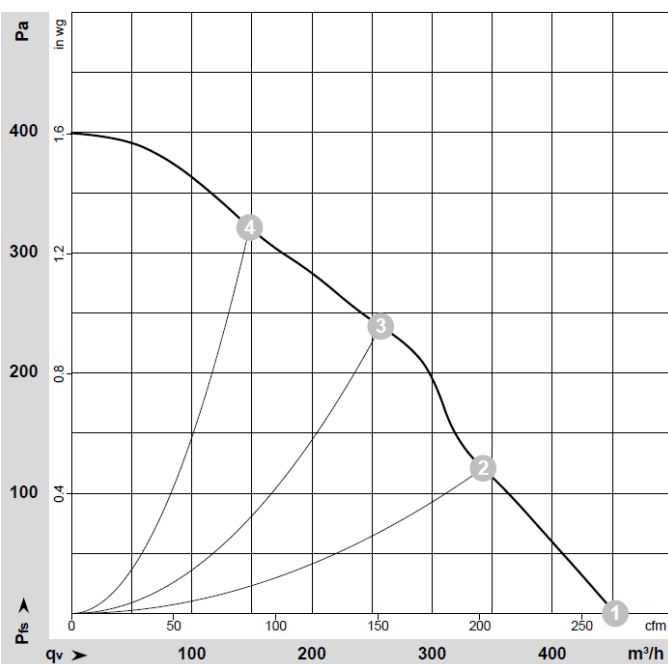
Conformity with standards

- Norm: CE

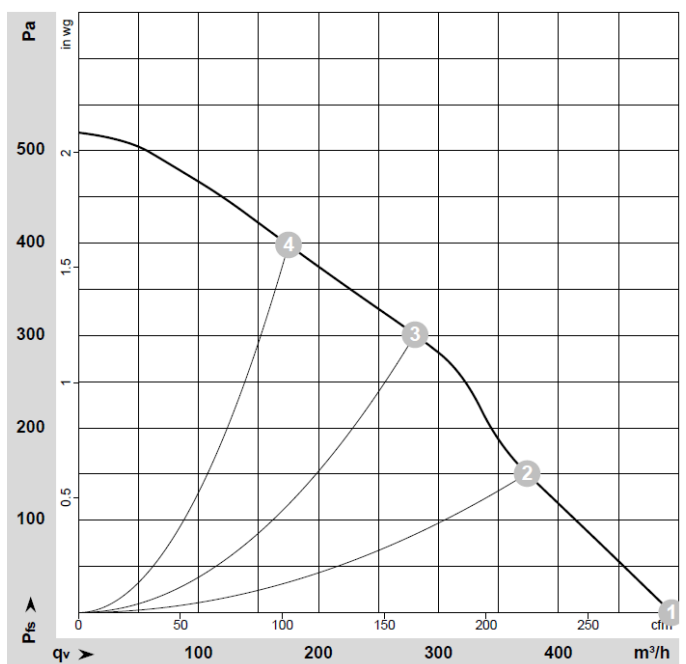
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Min. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E180AH0506	M2E068-DF	230	50	450	2600	110	0,51	3/400	70	0	-25..+100	3,1
		230	60	495	2850	145	0,63	3/400	72	0	-25..+95	
Subject to modification							Capacitor					
Pricelist							280F00035					

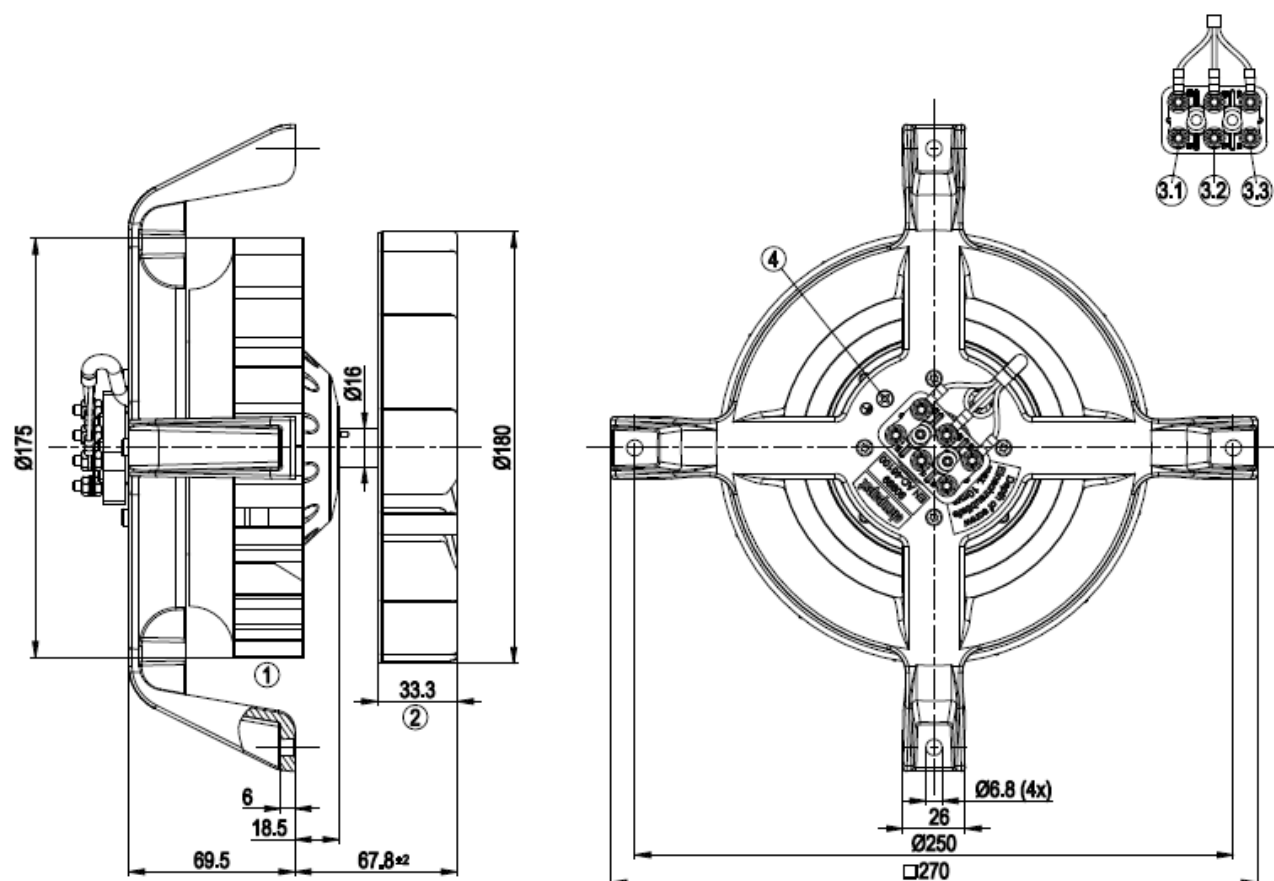
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

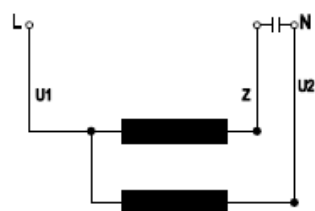


Drawing

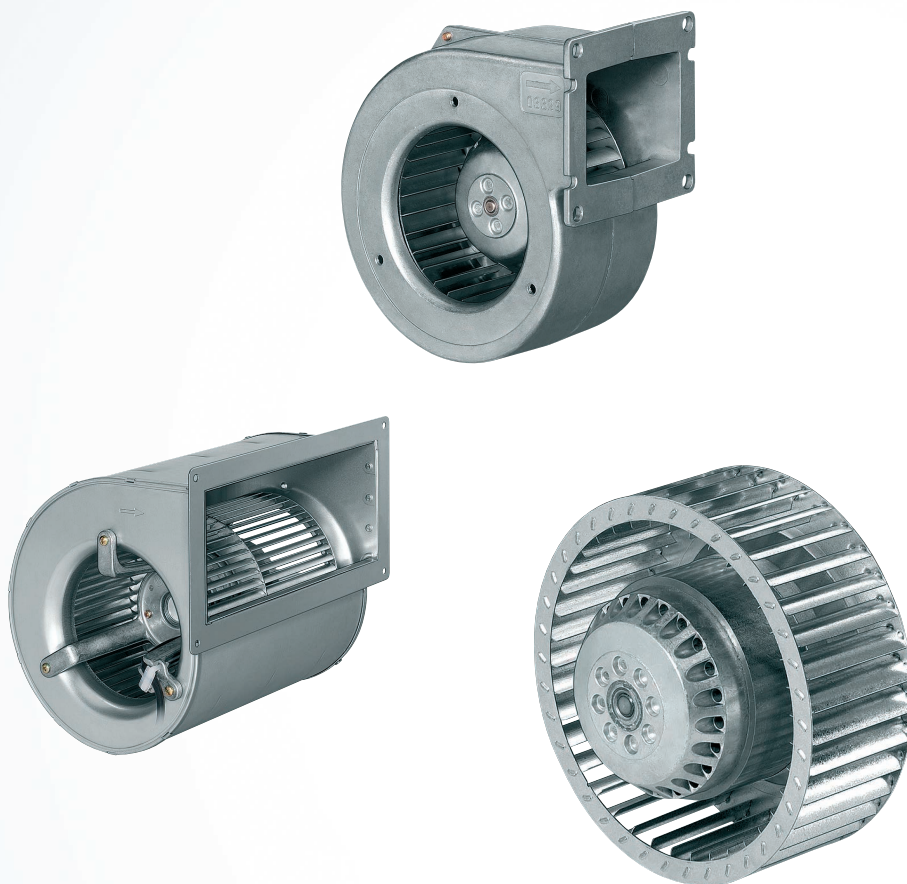


1	Centrifugal fan impeller (sheet steel, galvanized)
2	Centrifugal fan impeller (sheet steel, rust- and acid-resistant)
3.1	L (blue)
3.2	N (black)
3.3	Z (brown)
4	M4 screw for fastening ground connector
Max. clearance for screw 5 mm	

Connection illustration



U1	blue	U2	black	Z	brown
----	------	----	-------	---	-------



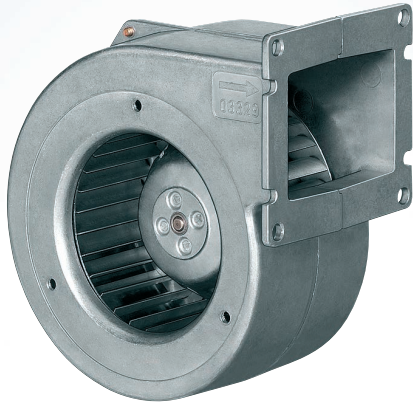
AC centrifugal fans

ebmpapst

engineering a better life

G2E085AA0101 - Single inlet forward curve

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: die-cast aluminium
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 300 mm

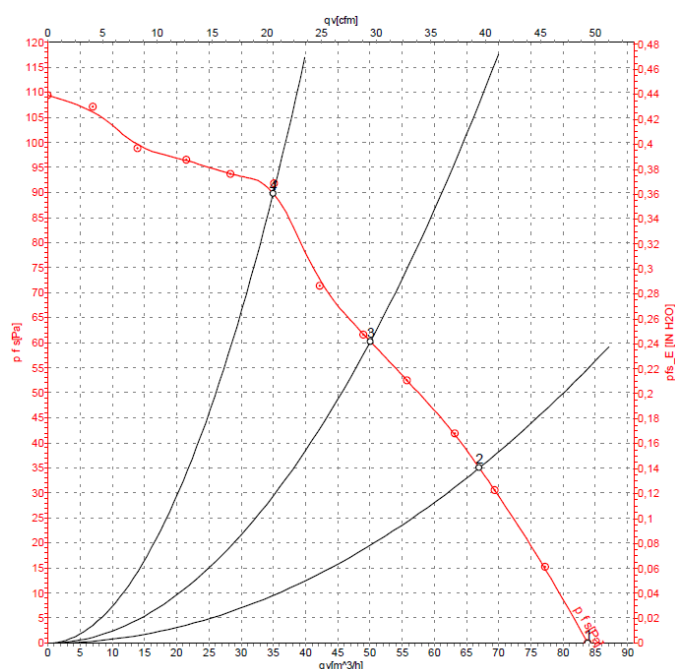
Conformity with standards

- Norm: EN 60335-1; CE

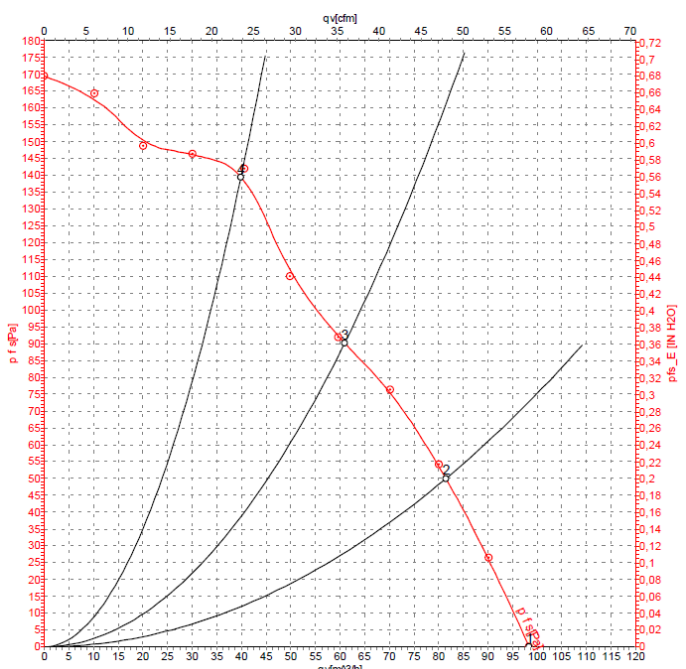
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
G2E085AA0101	M2E042-CA	230	50	85	2350	32	0,15	1/400	53	90	-25...+50	0,9
		230	60	100	2800	30	0,14	1/400	57	140	-25...+70	
Subject to modification							Capacitor					
Pricelist							280F00031					

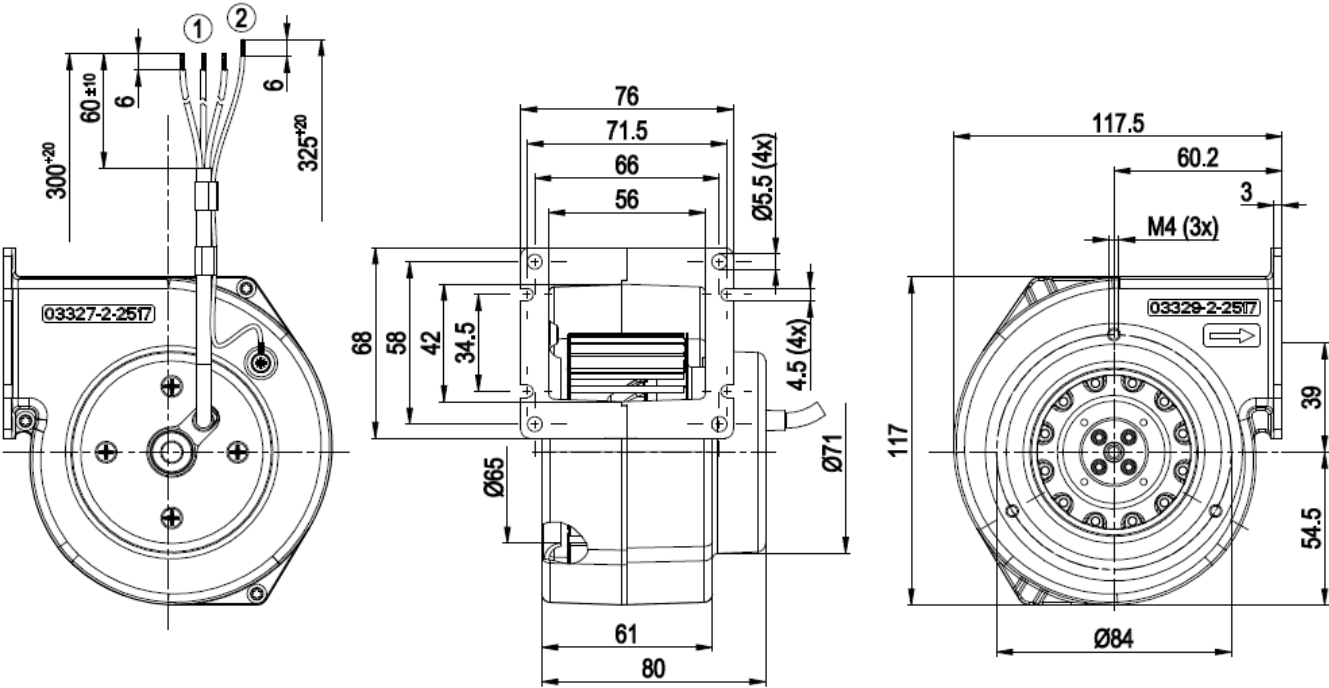
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

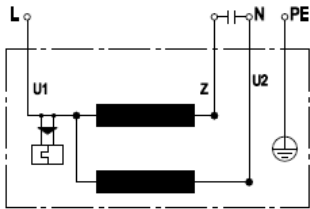


Drawing



- | | |
|---|--|
| 1 | Cable PVC 3x 0.25 mm ² , 3x crimped splices |
| 2 | Cable AWG20, 1x crimped splice |

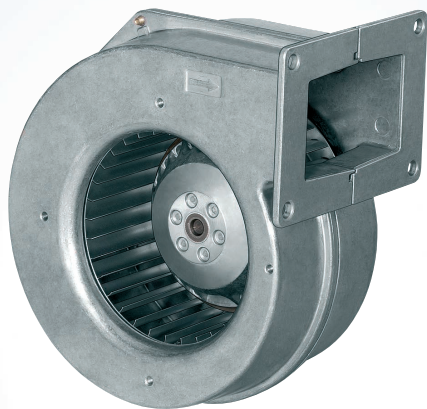
Connection illustration



- | | | | | | |
|----|--------------|---|-------|----|-------|
| U1 | blue | Z | brown | U2 | black |
| PE | green/yellow | | | | |

G2E120AR7701 - Single inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: die-cast aluminium
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Shaft horizontal
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

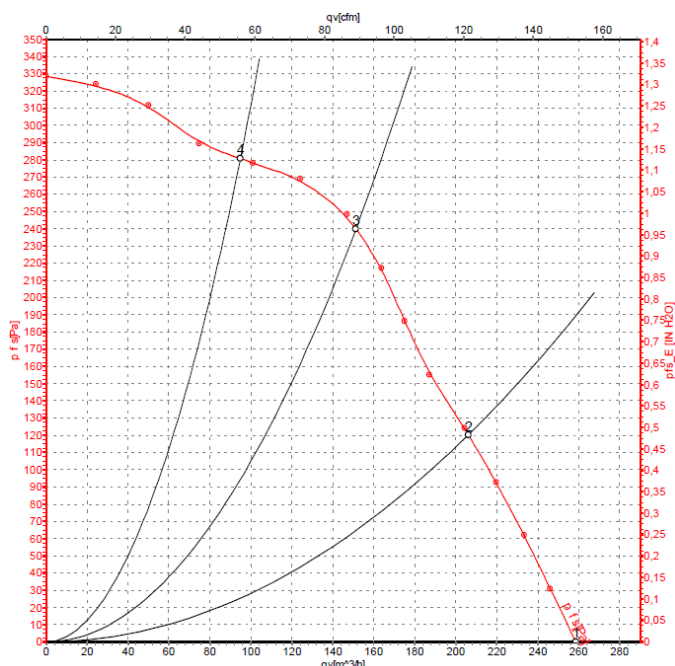
Conformity with standards

- Norm: EN 60335-1; CE

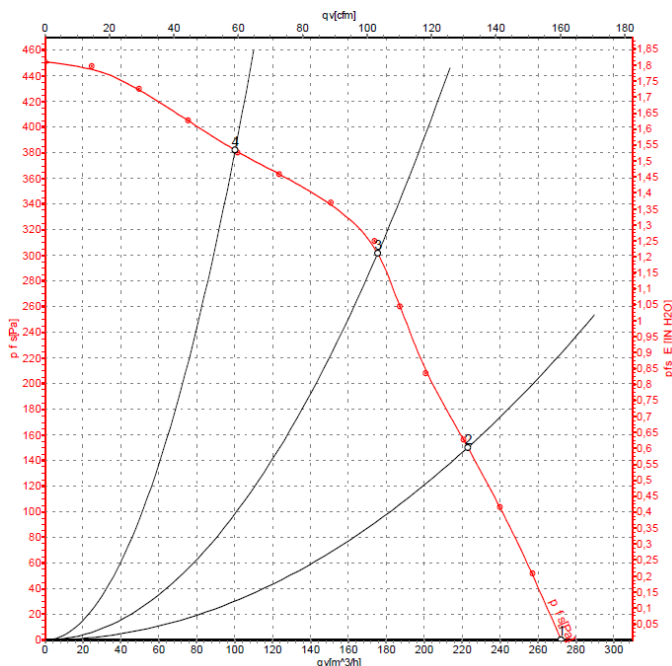
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg	
G2E120AR7701	M2E068-BF	230	50	260	2350	80	0,35	2/450	61	280	-25...+45	2,0	
		230	60	270	2450	100	0,44	2/450	62	380	-25...+55		
Subject to modification						Capacitor							
Pricelist						280F00033							

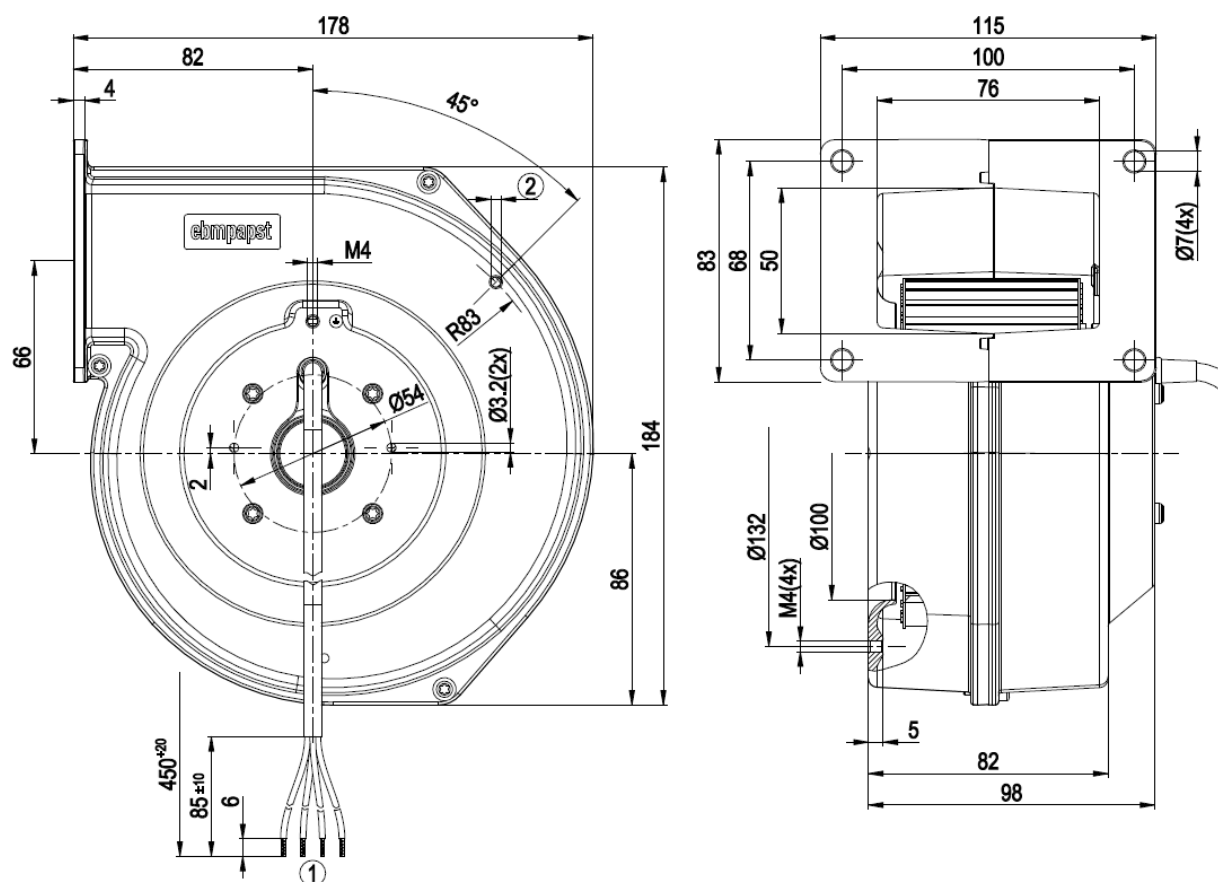
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

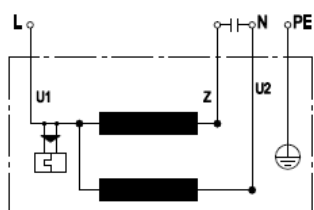


Drawing



- | | |
|---|--|
| 1 | Cable PVC, 4x crimped splices |
| 2 | Tapping hole ready for self-tapping M4 screw |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

G2E140AE7701 - Single inlet forward curved

AC centrifugal fans



Back to product overview:



Material/surface

- Rotor: unpainted
- Housing: die-cast aluminium
- Impeller: sheet steel, galvanized

Technical description

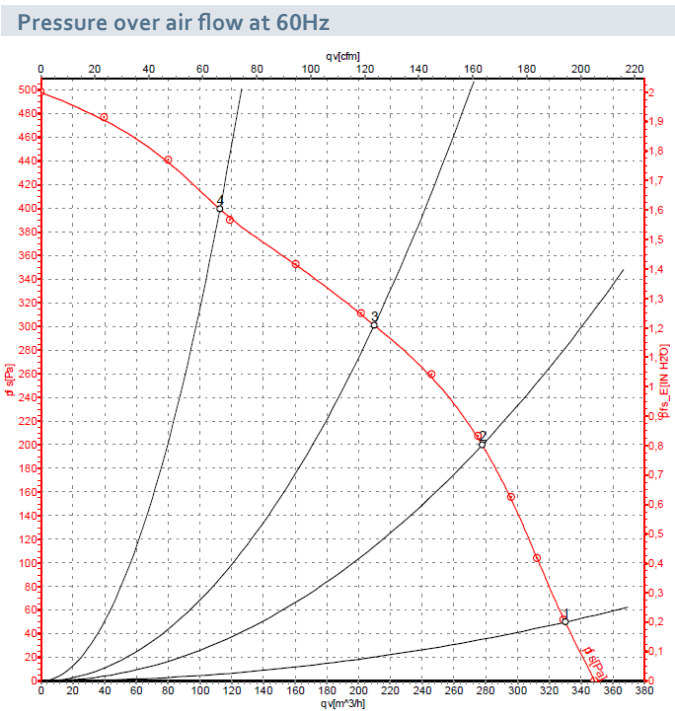
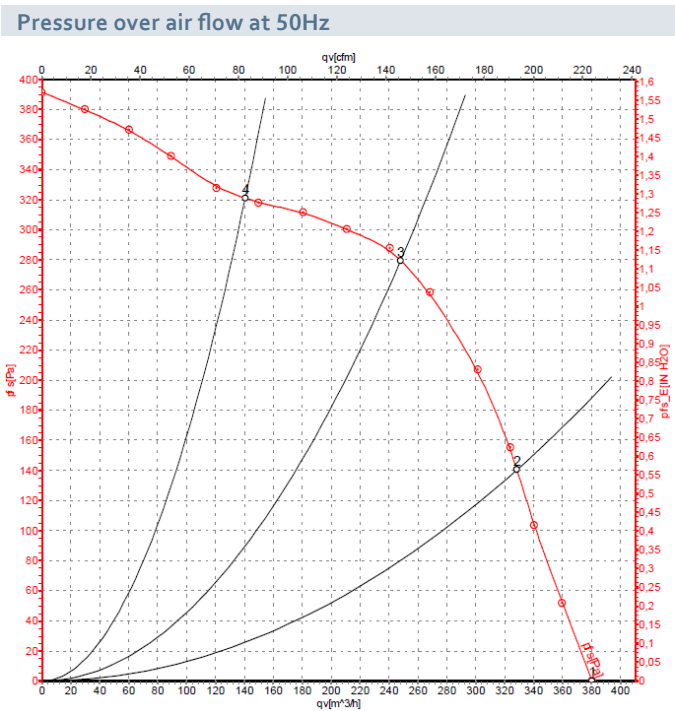
- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

Conformity with standards

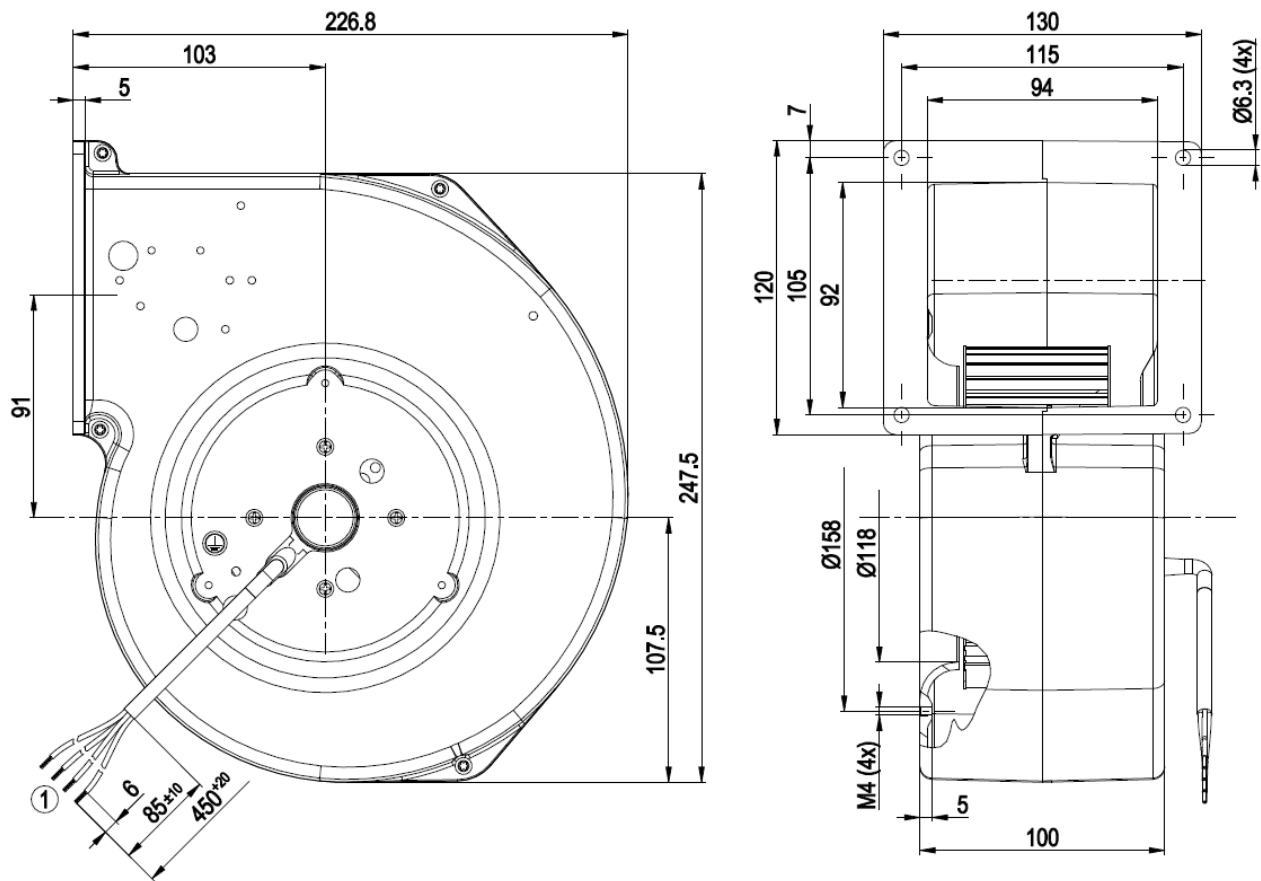
- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg	
G2E140AE7701	M2E068-BF	230	50	380	1400	105	0,47	2/400	59	320	-25..+40	2,6	
		230	60	330	1500	115	0,48	2/400	57	400	-25..+35		
Subject to modification						Capacitor							
Pricelist						280F00033							

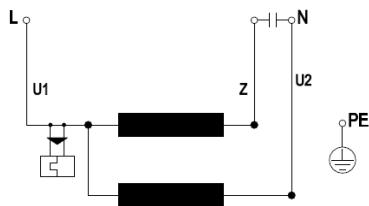


Drawing



1 Cable PVC 4G 0.5 mm², 4x crimped splices

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

G2E140AI2801- Single inlet forward curved

AC centrifugal fans

Back to product overview:



Material/surface

- Rotor: unpainted
- Housing: die-cast aluminium
- Impeller: sheet steel, hot-dip galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE



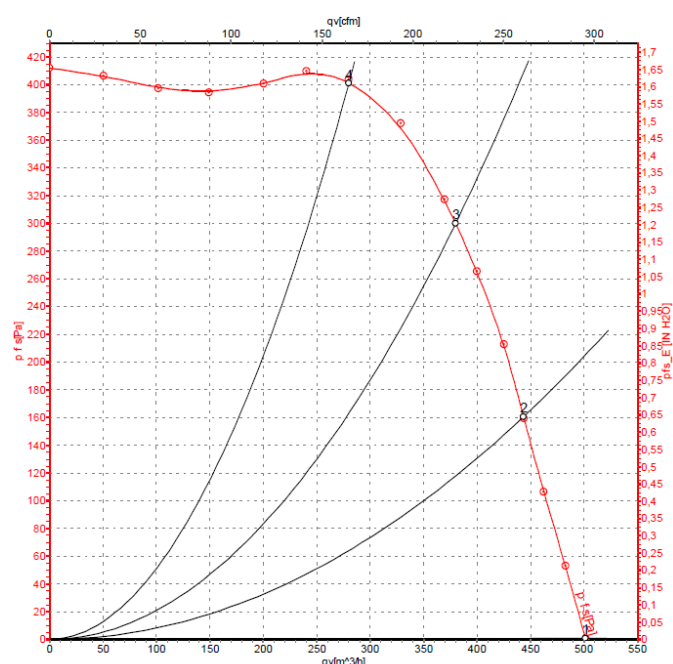
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
G2E140AI2801	M2E068-DF	230	50	500	2400	160	0,7	4/400	72	400	-25...+70	3,52
		230	60	490	2350	205	0,9	4/400	71	525	-25...+45	

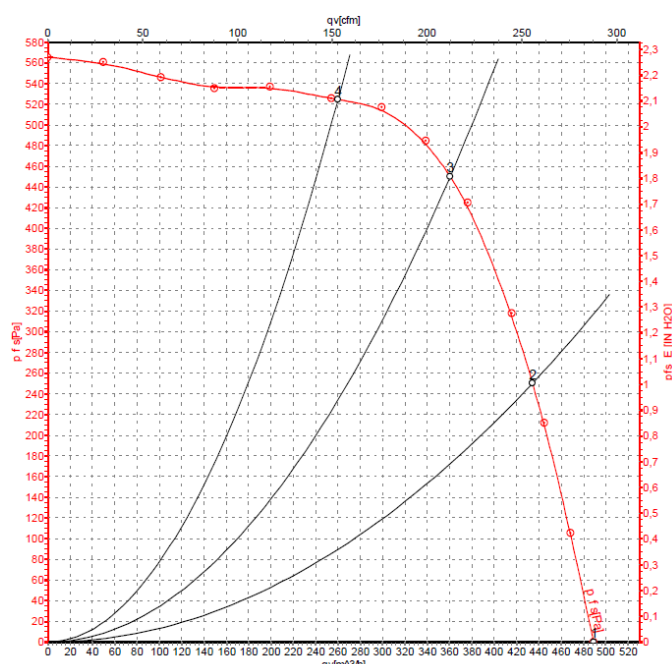
Subject to modification

Capacitor
280F00036

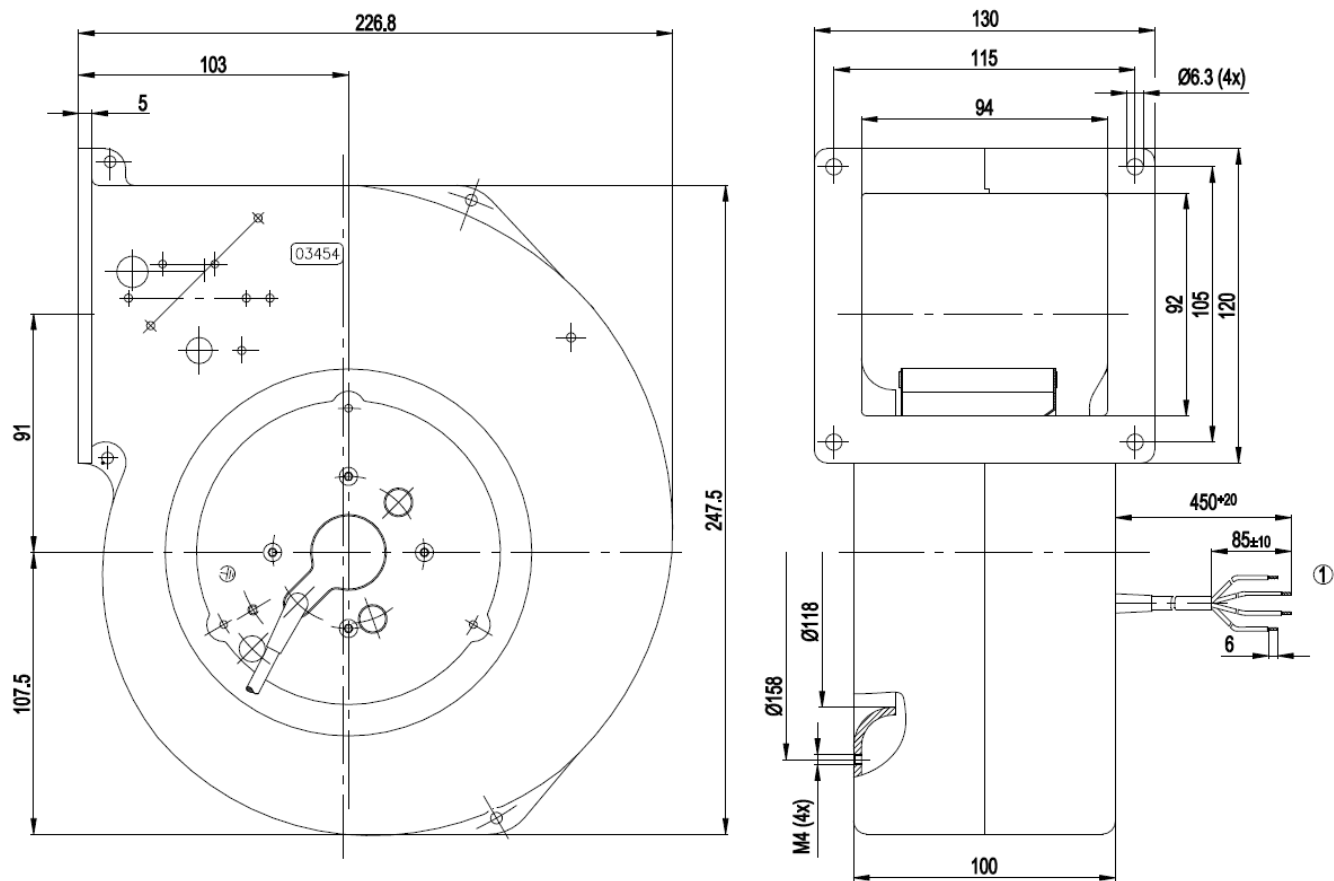
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

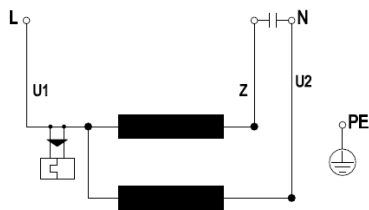


Drawing



1 Cable PVC 4G 0.5 mm², 4x crimped splices

Connection illustration

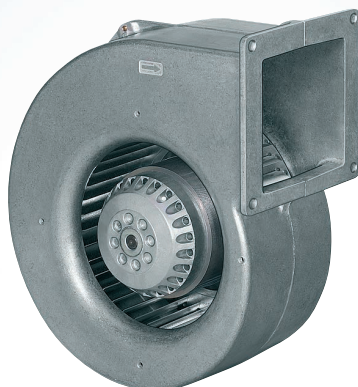


U1	blue	Z	brown	U2	black
PE	green/yellow				

G2E160AY5091 - Single inlet forward curved

AC centrifugal fans

[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: die-cast aluminium
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: F
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	C	kg
G2E160AY5091	M2E068-EC	230	50	595	2280	270	1,18	6/400	-	520	-25..+60	4,0

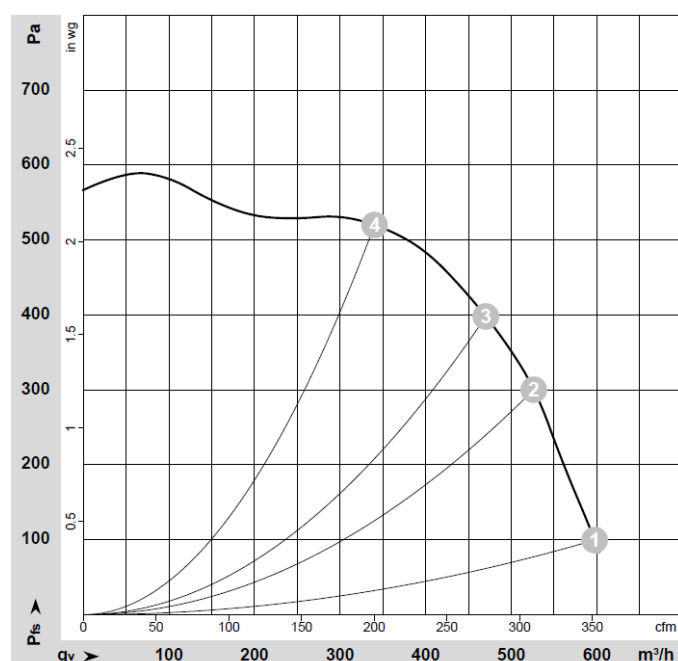
Subject to modification

[Pricelist](#)

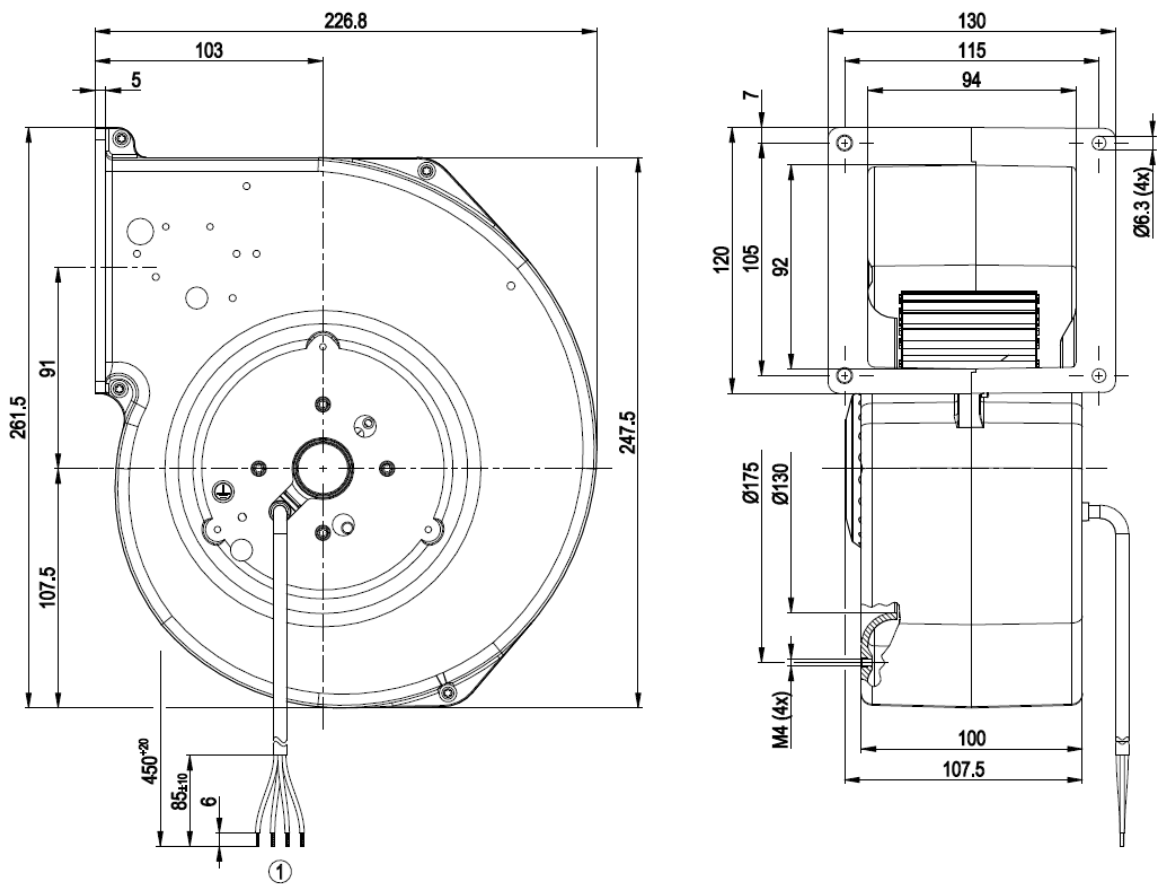
Capacitor

[280F00038](#)

Pressure over air flow at 50Hz

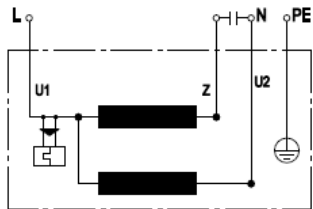


Drawing



1 Cable silicone 4G 0.5 mm², 4x crimped splices

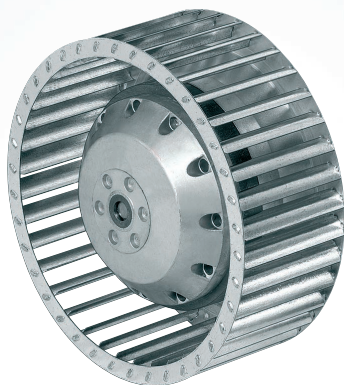
Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E160AY4701 - Single inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: partly cast in aluminium
- Housing: die-cast aluminium
- Impeller: sheet steel, sendzimir galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

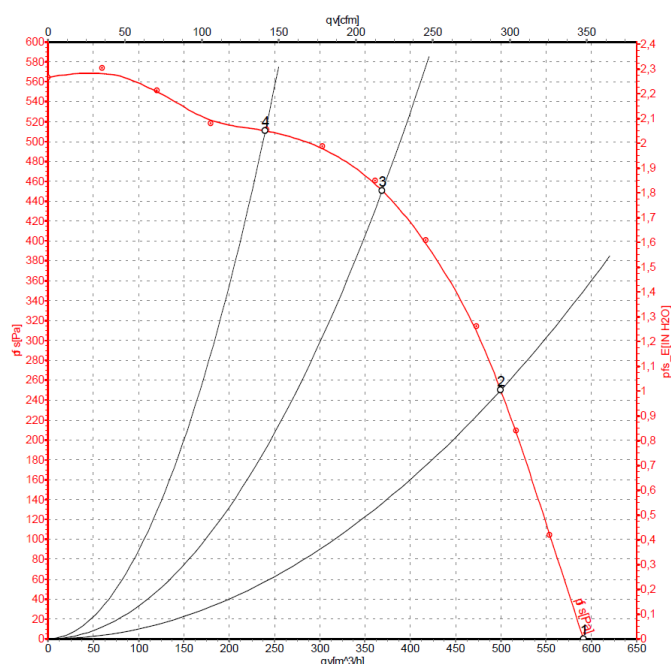
Conformity with standards

- Norm: EN 60335-1; CE

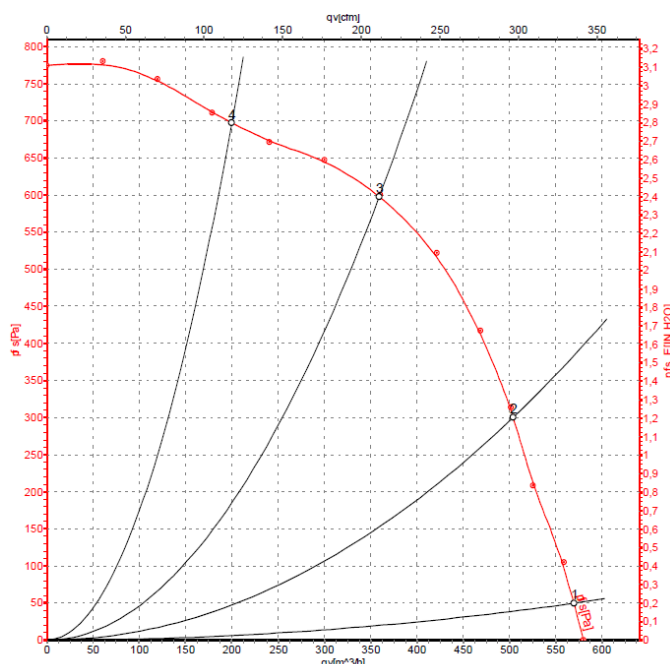
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
R2E160AY4701	M2E068-EC	230	50	590	2100	240	1,05	6/400	72	510	-25..+50	2,6	
		230	60	570	2100	280	1,23	6/400	71	700	-25..+30		
Subject to modification						Capacitor							
Pricelist						280F00038							

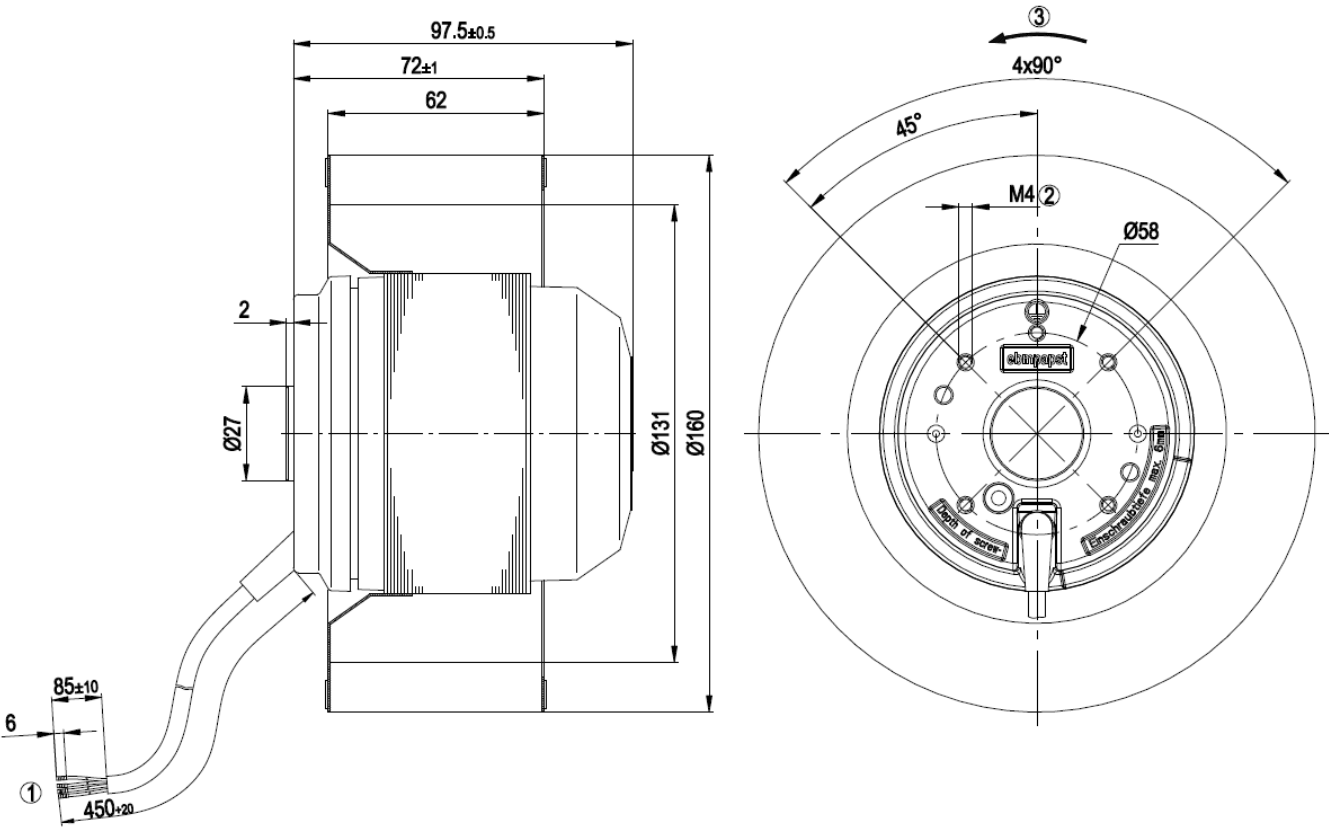
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

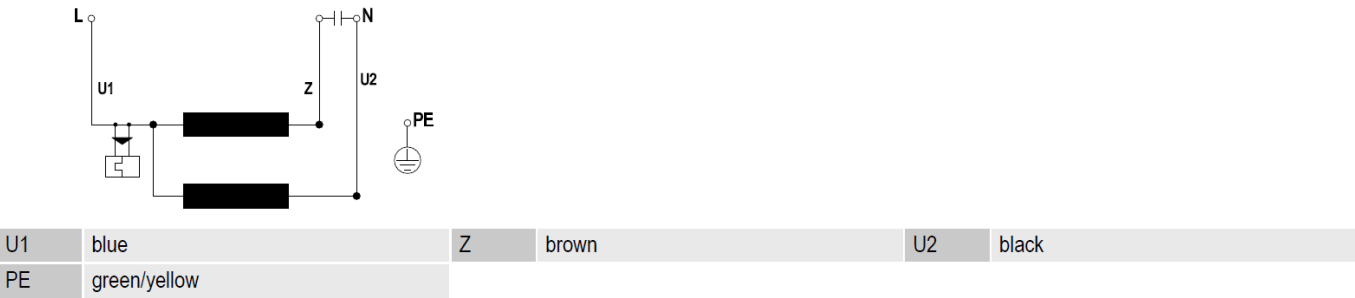


Drawing



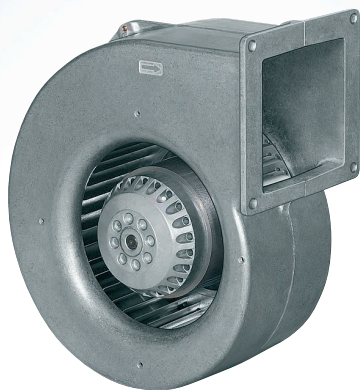
1	Cable PVC, 4x crimped splices
2	Max. clearance for screw 5 mm
3	Direction of rotation clockwise, viewed toward rotor

Connection illustration



G2E180EH0301 - Single inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Housing: die-cast aluminium
- Impeller: sheet steel, painted black

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

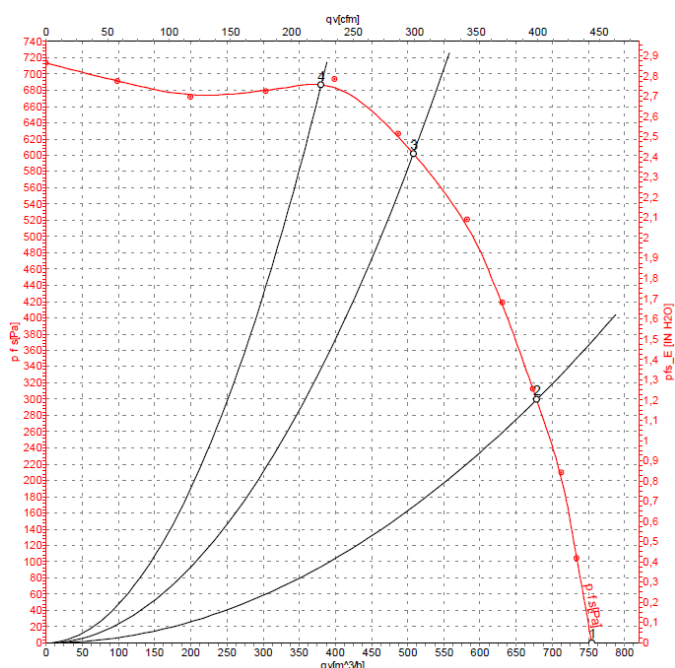
Conformity with standards

- Norm: EN 60335-1; CE

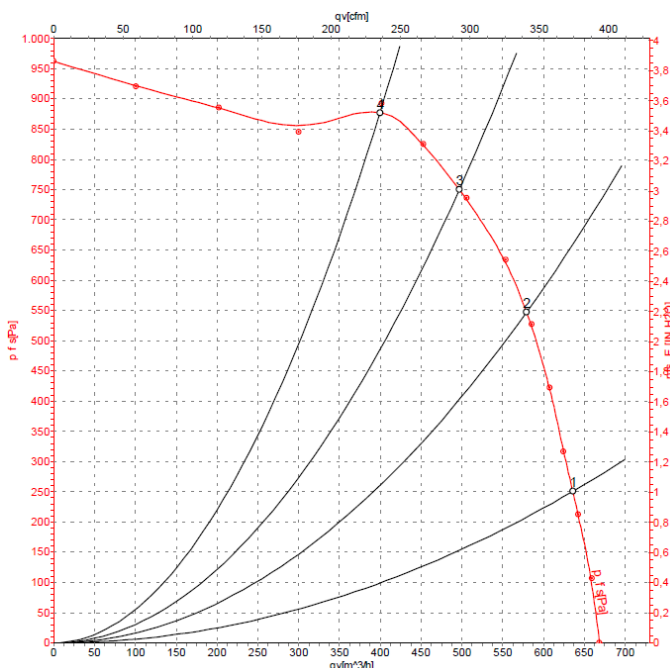
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg	
G2E180EH0301	M2E074-EI	230	50	755	1950	400	1,75	8/400	73	690	-25..+40	5,4	
		230	60	635	2150	415	1,82	8/400	71	890	-25..+30		
Subject to modification						Capacitor							
Pricelist						280F00039							

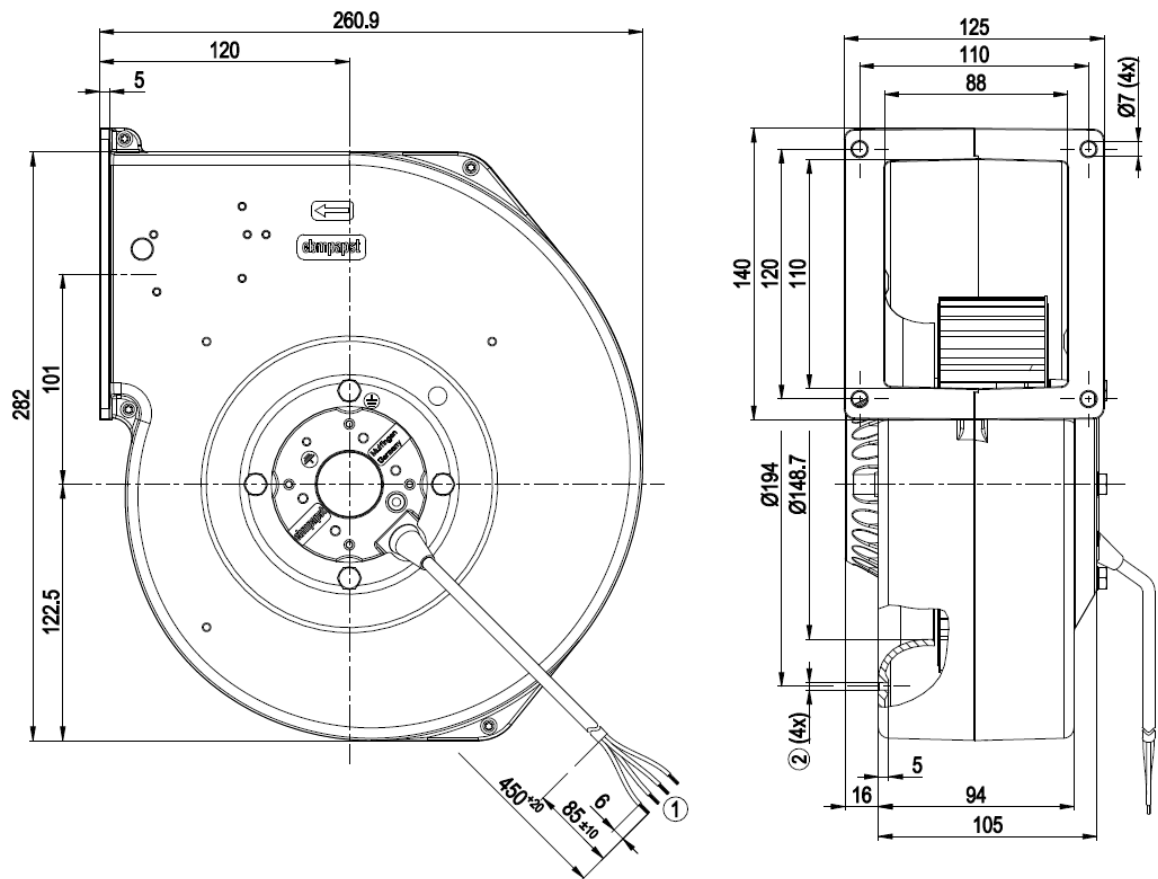
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

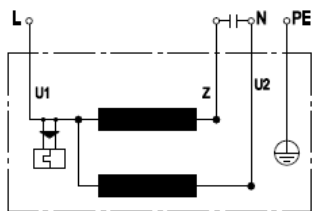


Drawing



- | | |
|---|--|
| 1 | Cable PVC 4G 0.5 mm², 4x crimped splices |
| 2 | For self-tapping M4 screws |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

D2E097BK8002 - Double inlet forward curved

AC centrifugal fans



Back to product overview:



Material/surface

- Rotor: unpainted
- Housing: sheet steel, hot-dip galvanized
- Impeller: sheet steel, hot-dip galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP20
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 200 mm

Conformity with standards

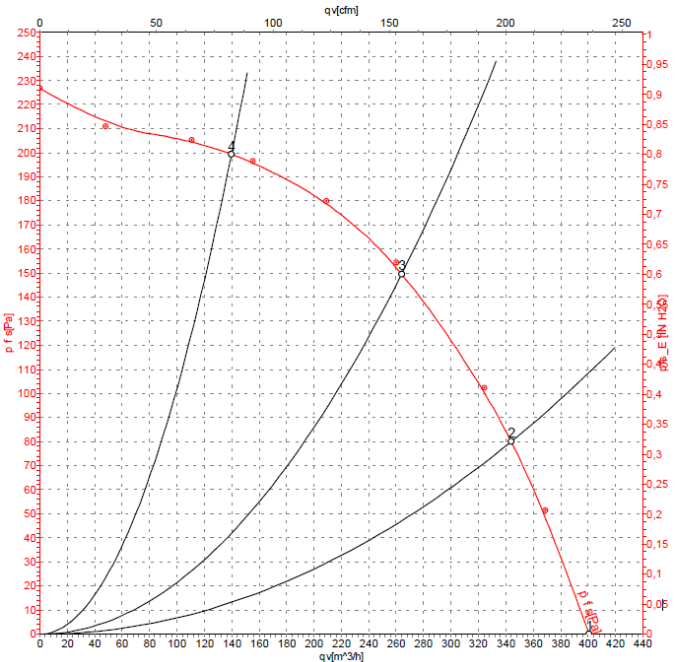
- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

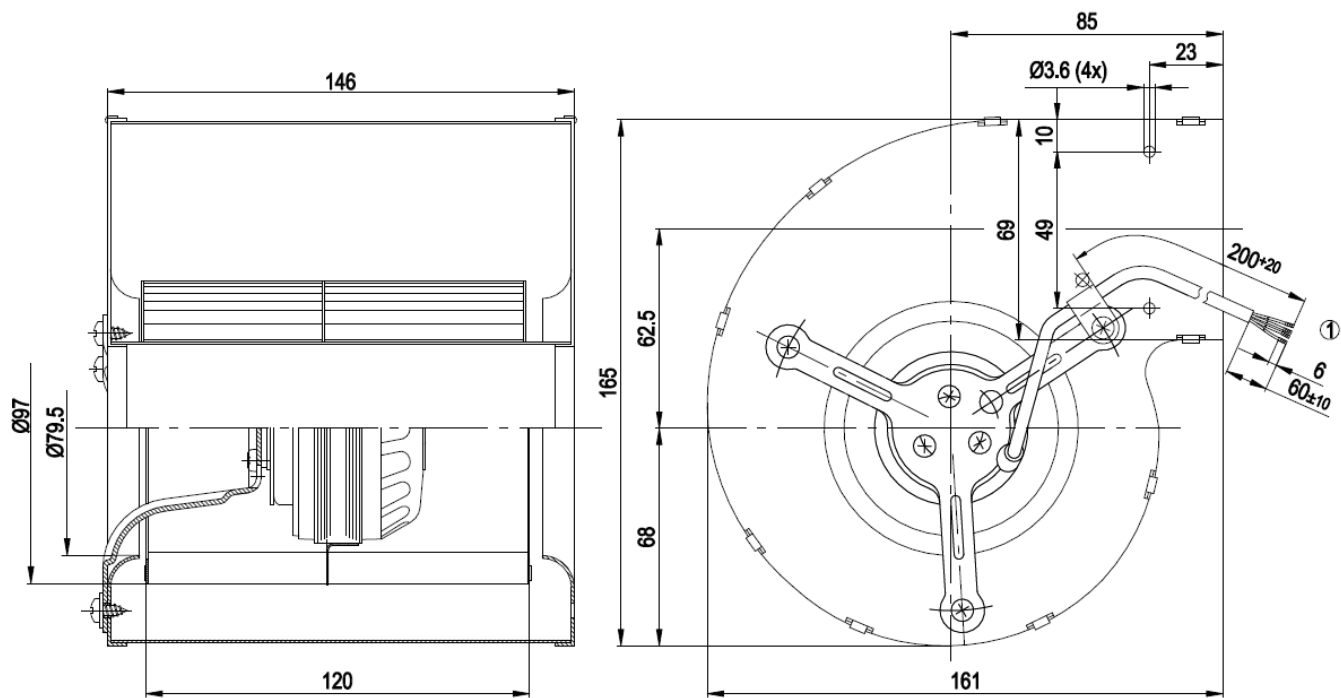
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
D2E097BK8002	M2E052-BF	230	50	400	1750	77	0,34	2/400	57	200	-25...+30	1,45

Subject to modification	Capacitor
Pricelist	280F00033

Pressure over air flow at 50Hz

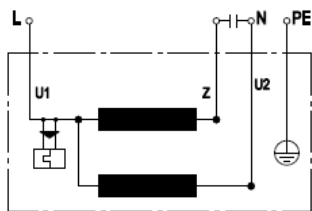


Drawing



- 1 Cable PVC 4G 0.5 mm², 4x crimped splices

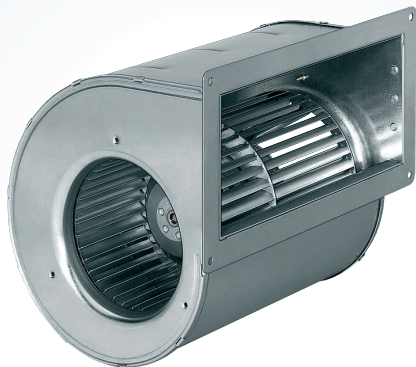
Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

D2E133AM4701 - Double inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: sheet steel, galvanized
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

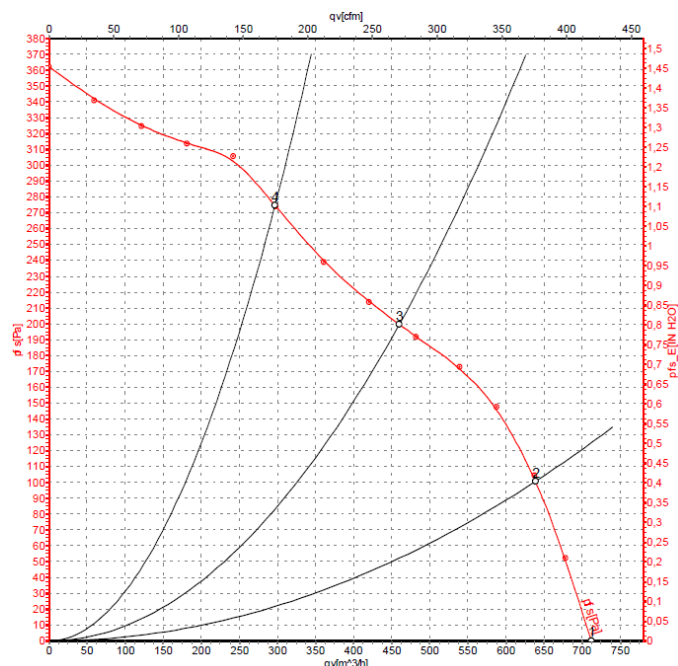
Conformity with standards

- Norm: EN 60335-1; CE

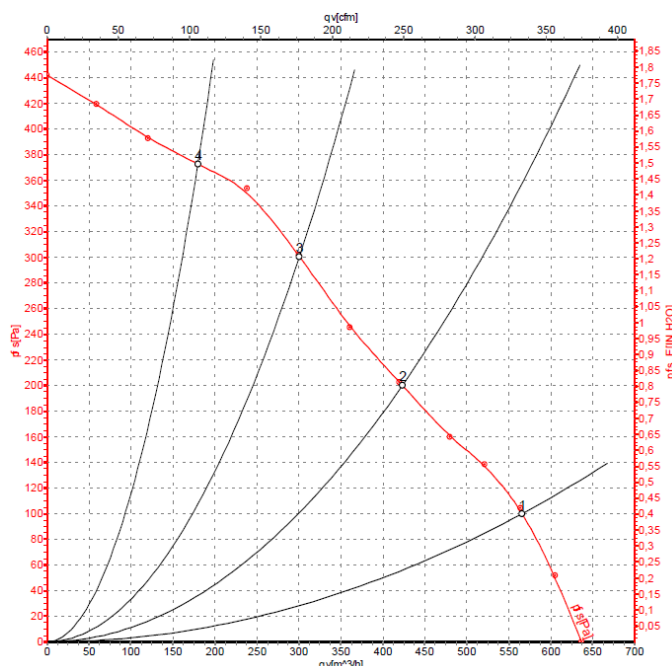
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg	
D2E133AM4701	M2E068-DF	230	50	710	1900	164	0,72	3/450	59	275	-25...+55	3,5	
		230	60	565	1800	200	0,88	3/450	56	375	-25...+25		
Subject to modification						Capacitor							
Pricelist						280F00035							

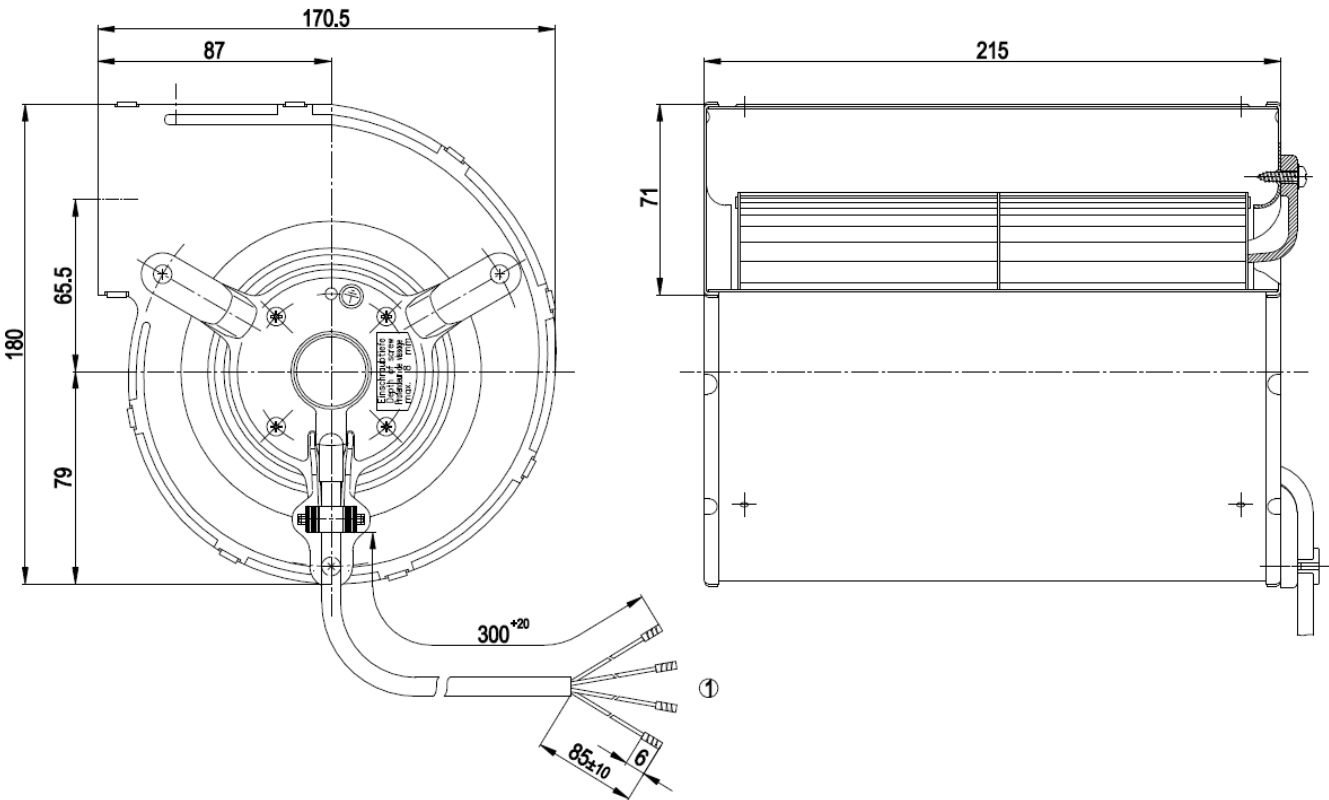
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

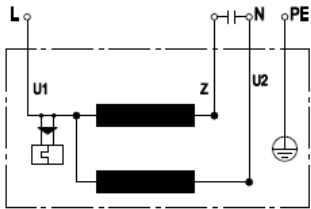


Drawing



1 Cable PVC 4G 0.5 mm², 4x crimped splices

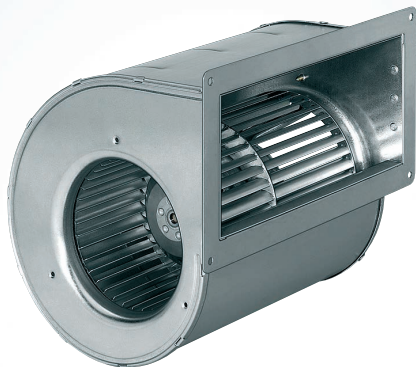
Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

D2E133DM4701 - Double inlet forward curved

AC centrifugal fans



Without flence

[Back to product overview:](#)



Material/surface

- Rotor: partly cast in aluminium
- Housing: sheet steel, hot-dip galvanized
- Impeller: sheet steel, hot-dip galvanized

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 300 mm

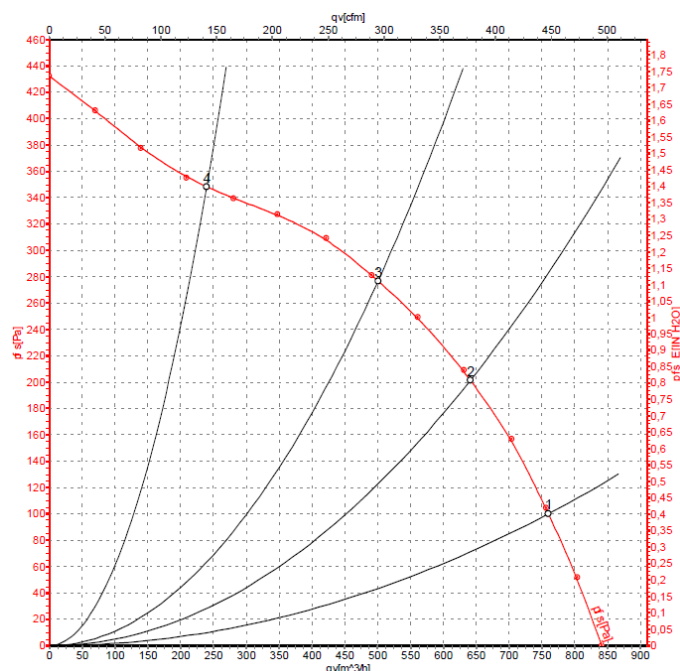
Conformity with standards

- Norm: EN 60335-1; CE

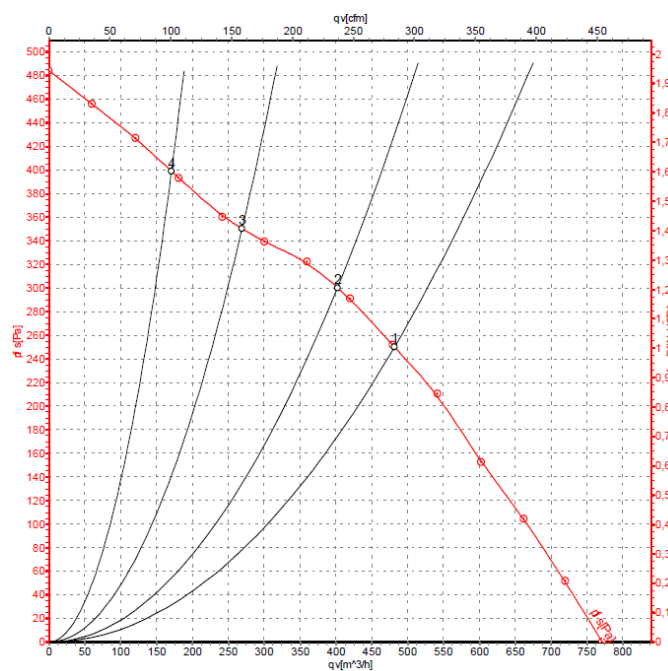
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
D2E133DM4701	M2E068-DF	230	50	760	1650	175	0,78	3/450	58	350	-25..+40	3,8	
		230	60	480	2200	185	0,82	3/450	62	400	-25..+40		
Subject to modification						Capacitor							
Pricelist						280F00035							

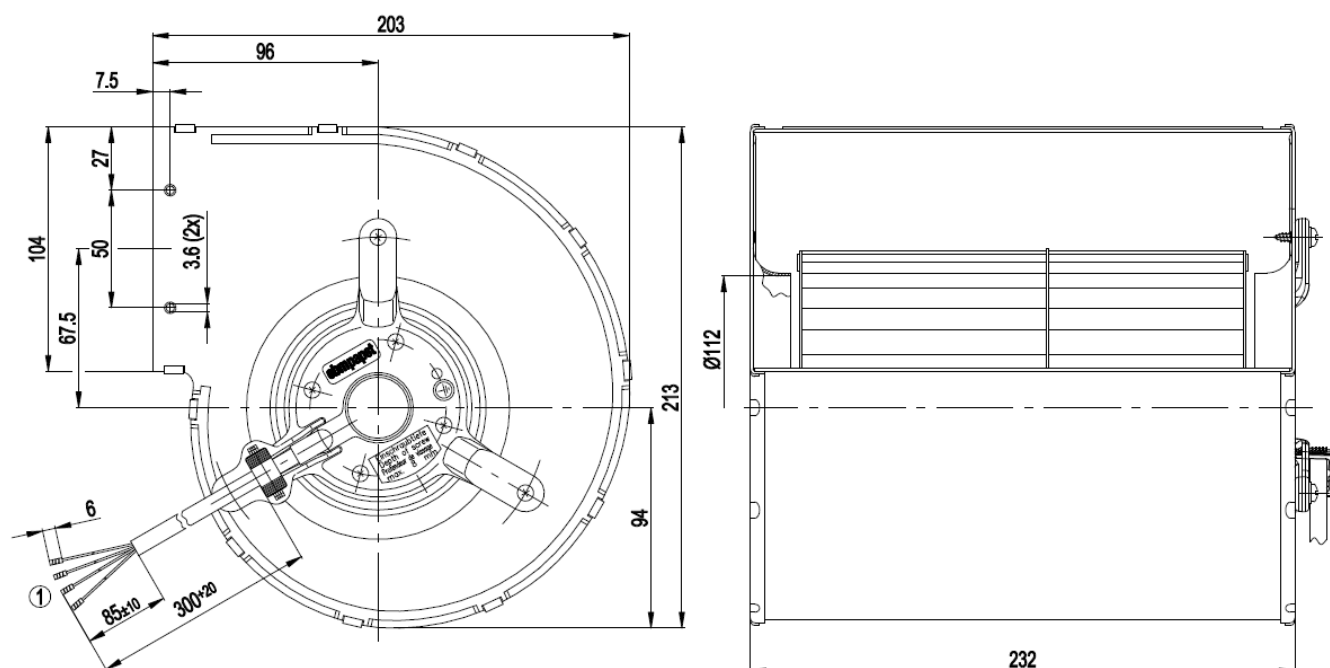
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

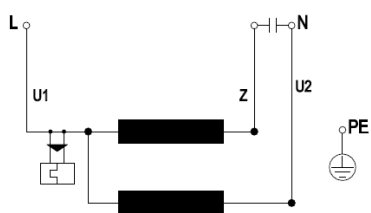


Drawing



- | | |
|---|--|
| 1 | Cable PVC 0.5 mm ² , 4x crimped splices |
|---|--|

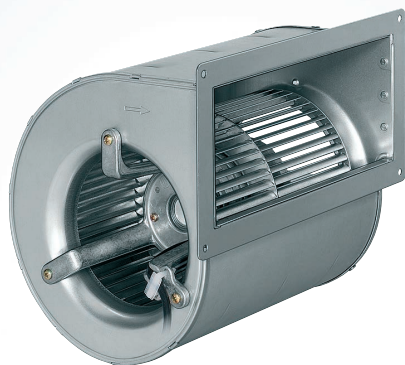
Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

D2E146AP4722 - Double inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: sheet steel, galvanized
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Axial, 350 mm

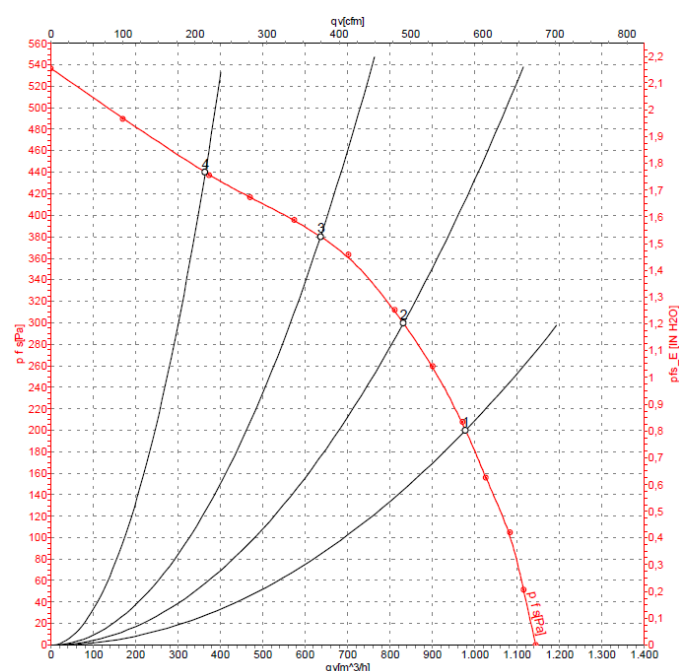
Conformity with standards

- Norm: EN 60335-1; CE

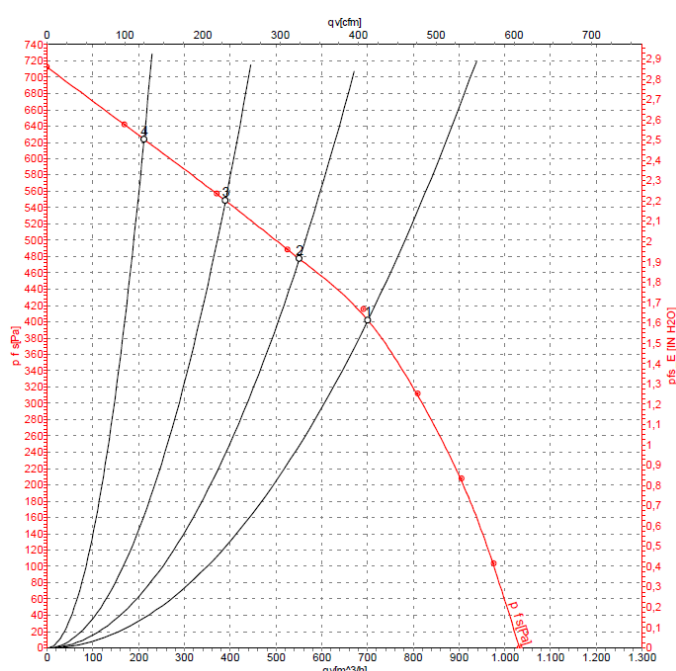
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
D2E146AP4722	M2E068-EC	230	50	970	2050	300	1,31	8/400	63	440	-25..+30	4,4	
		230	60	700	2550	330	1,45	8/400	68	625	-25..+25		
Subject to modification						Capacitor							
Pricelist						280F00039							

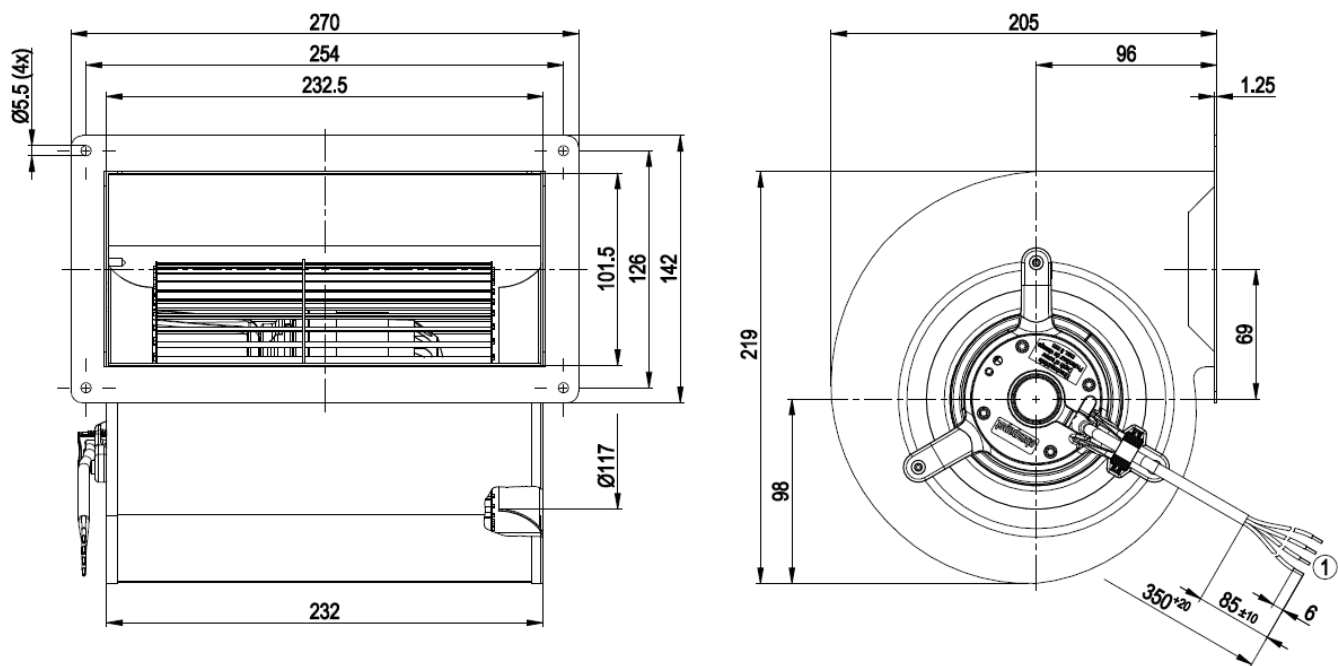
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

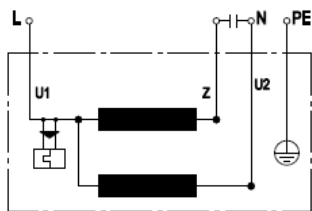


Drawing



- 1 Cable PVC 4G 0.5 mm², 4x crimped splices

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

D2E146HS9701 - Double inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: PP plastic
- Impeller: PP plastic

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP20
- Isolation: F
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: S1, 4 speed levels
- Bearings: Calotte bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Axial, 350 mm

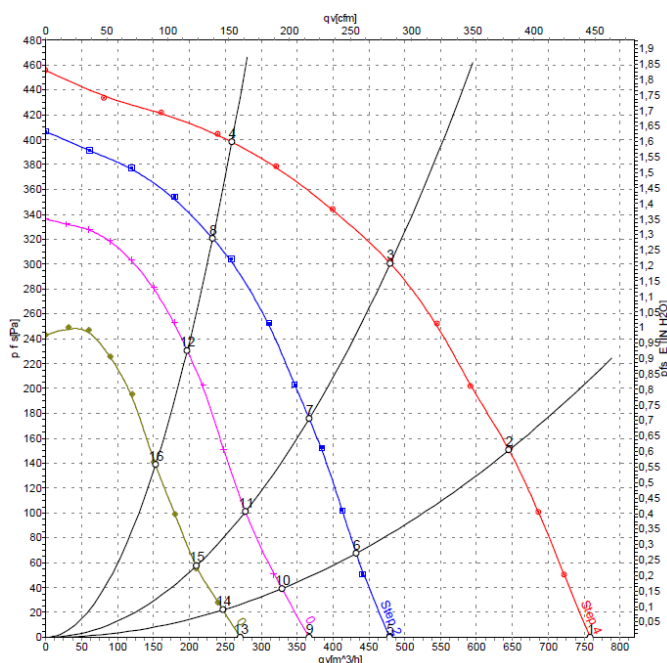
Conformity with standards

- Norm: EN 60335-1; CE

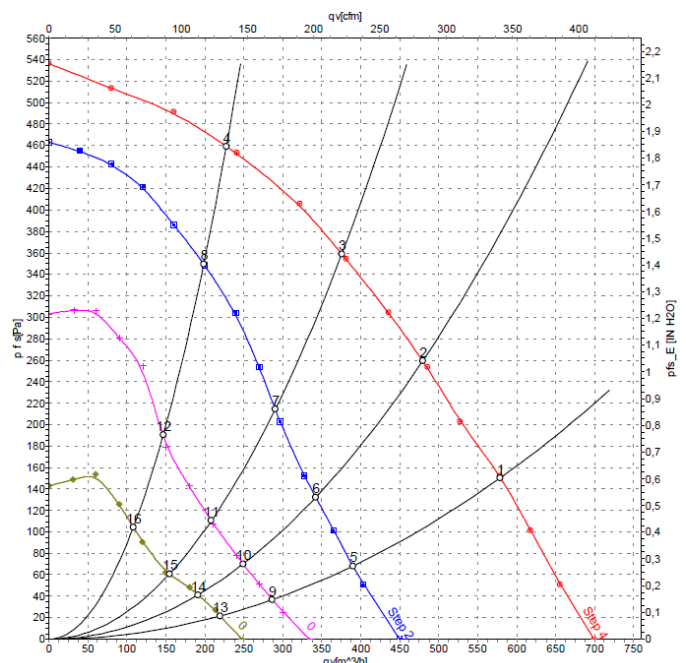
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
D2E146HS9701	M2E068-DF	230	50	760	1350	195	0,86	5/400	57	400	-25..+45	3,0
		230	60	580	1750	215	0,94	5/400	57	460	-25..+40	
Subject to modification							Capacitor integrated					
Pricelist												

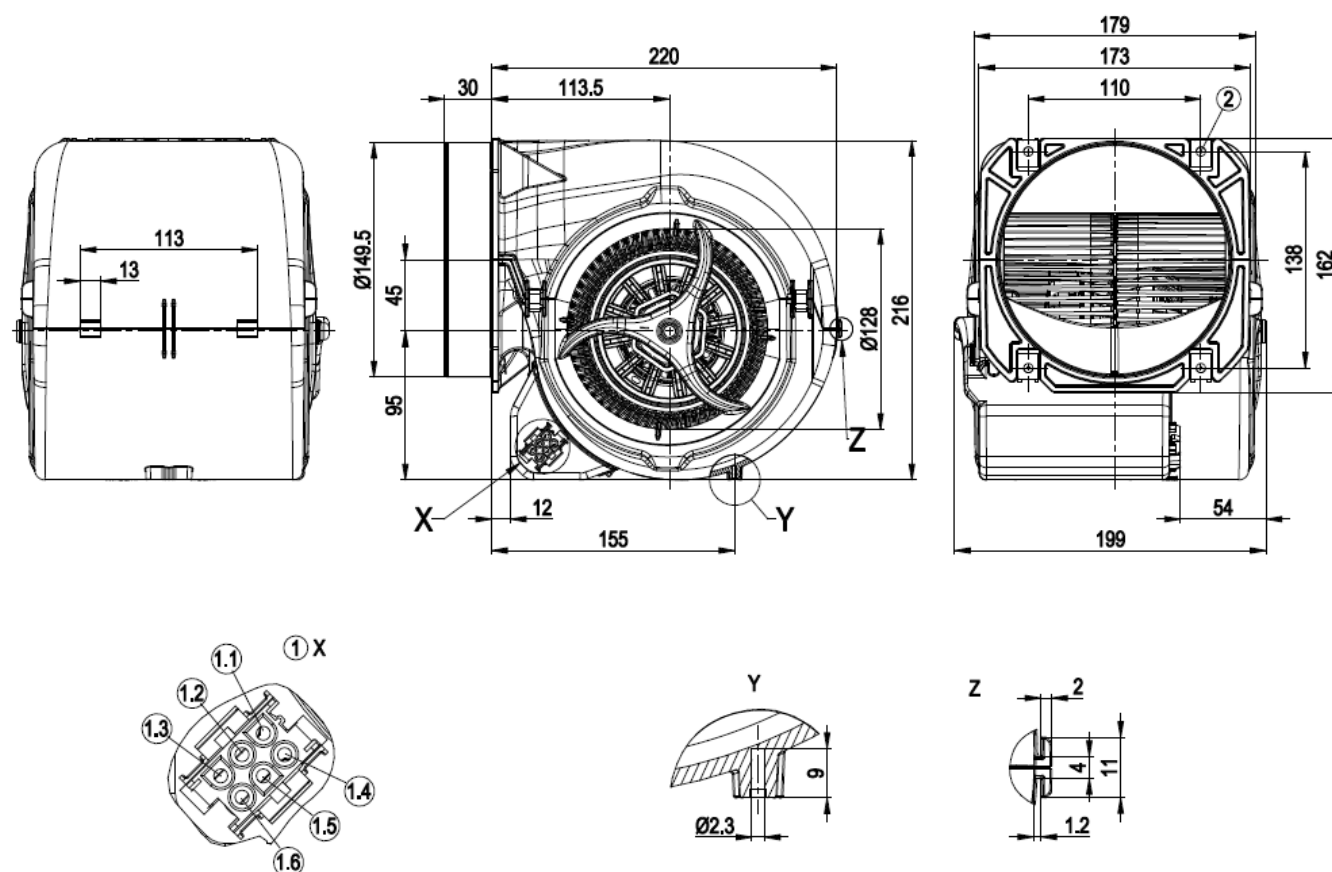
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

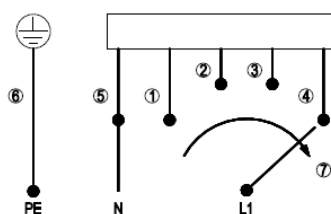


Drawing



1	Coded plug system: 6-pole connector housing tyco 926682-3, 6x plug pin tyco 926886-1
1.1	L = step 1
1.2	L = step 2
1.3	L = step 3
1.4	L = step 4
1.5	N
1.6	Protective earth
2	4x sheet metal nut for thread EN ISO 1478-ST4.8 (min. screw length 14.5 mm plus material thickness of mounting)

Connection illustration



The switch must interrupt the circuit when switching.

1	Step 1 (min.)	2	Step 2	3	Step 3
4	Step 4 (max.)	5	N	6	PE protective earth
7	Speed increasing				

D2E146HT6702 - Double inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: partly cast in aluminium
- Housing: PP plastic
- Impeller: sheet steel, hot-dip galvanized

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP20
- Isolation: F
- Mounting position: Any
- Mode of operation: S1, 4 speed levels
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 350 mm

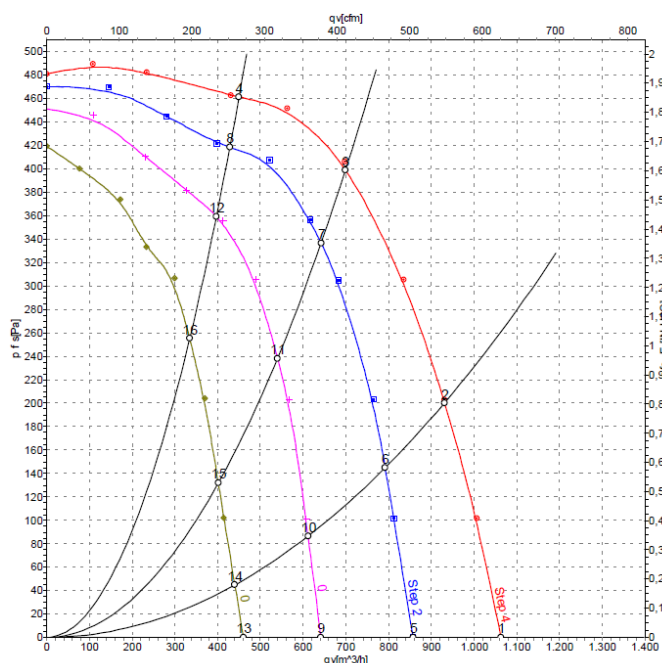
Conformity with standards

- Norm: EN 60335-2-31; CE

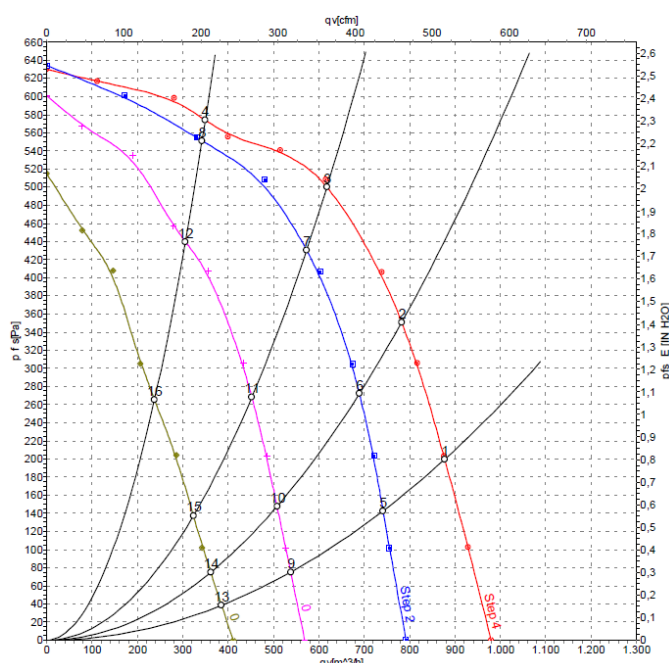
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
D2E146HT6702	M2E068-EC	230	50	1060	1850	355	1,55	8/450	66	460	-25...+55	3,4
		230	60	875	2100	400	1,75	8/450	63	575	-25...+50	
Subject to modification						Capacitor integrated			Cable			
Pricelist									21958-4-1040			

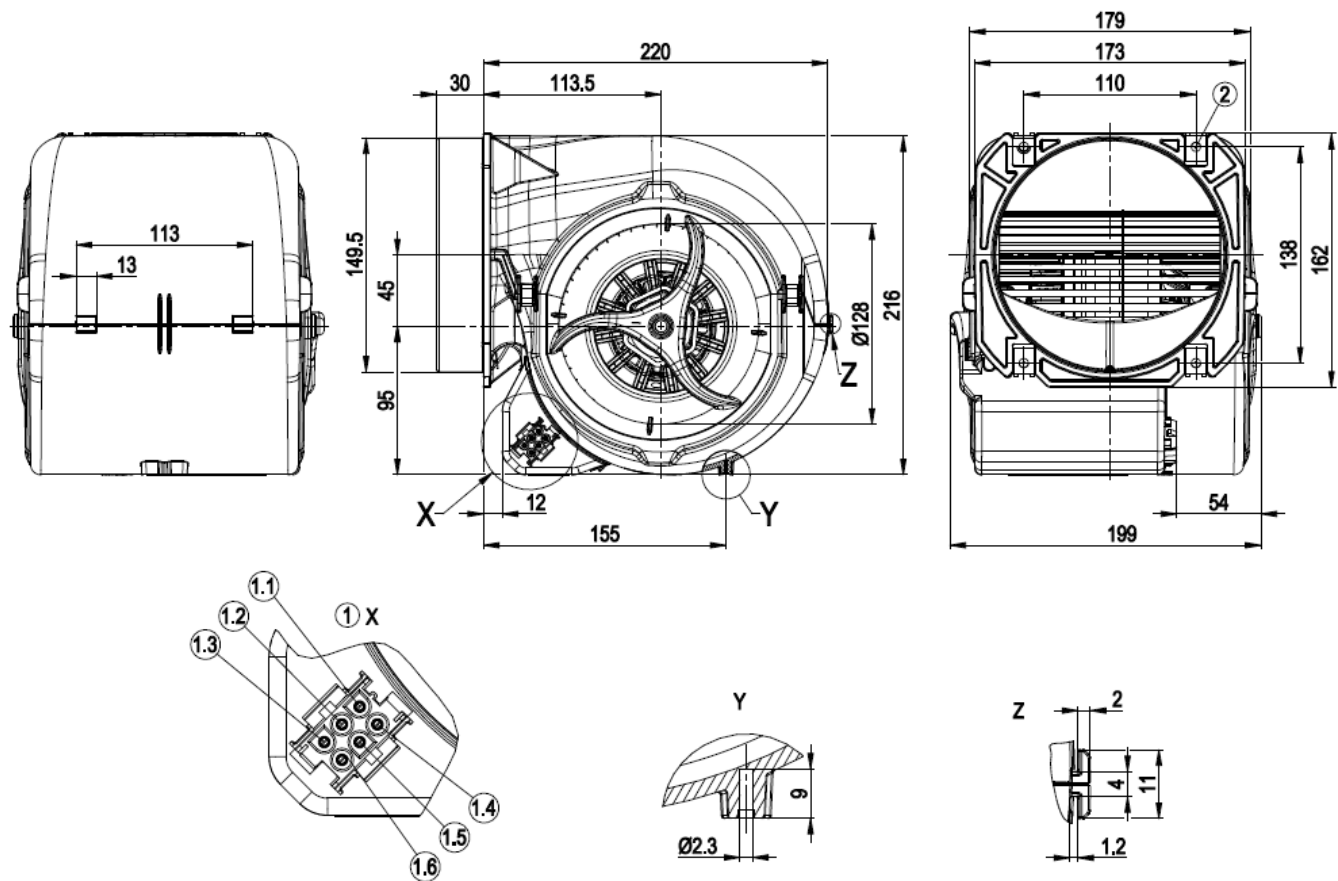
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

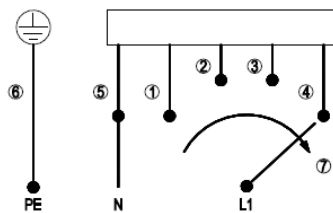


Drawing



1	Coded plug system AMP Universal Mate-N-Lok; connector housing: AMP 926 682-3; 6x plug pin AMP 926 886-1
1.1	L = step 1
1.2	L = step 2
1.3	L = step 3
1.4	L = step 4
1.5	N
1.6	Protective earth
2	4x sheet metal nut for thread EN ISO 1478-ST4.8 (min. screw length 14.5 mm plus material thickness of mounting)

Connection illustration

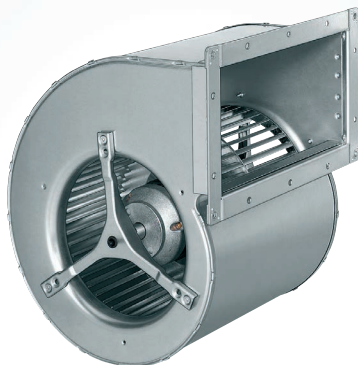


The switch must interrupt the circuit when switching.

1	Step 1 (min.)	2	Step 2	3	Step 3
4	Step 4 (max.)	5	N	6	PE protective earth
7	Speed increasing				

D4E200CA0202 - Double inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Housing: sheet steel, galvanized
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 600 mm

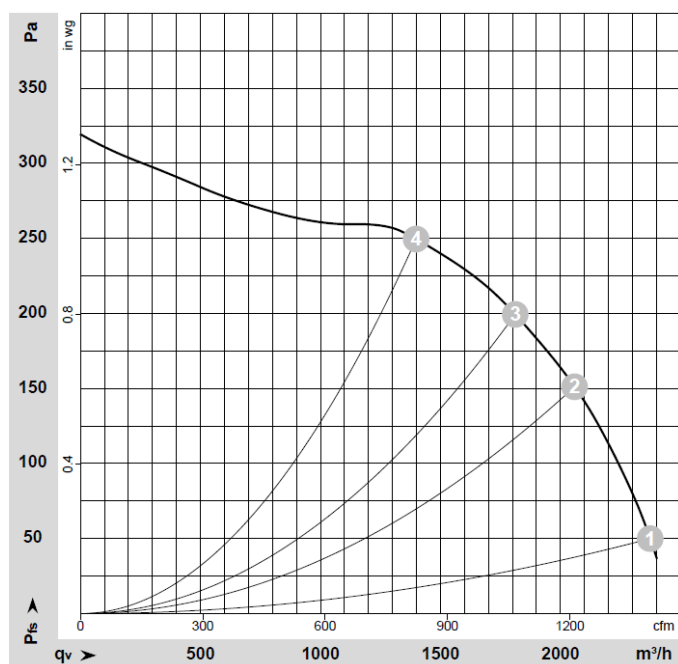
Conformity with standards

- Norm: EN 60335-1; CE

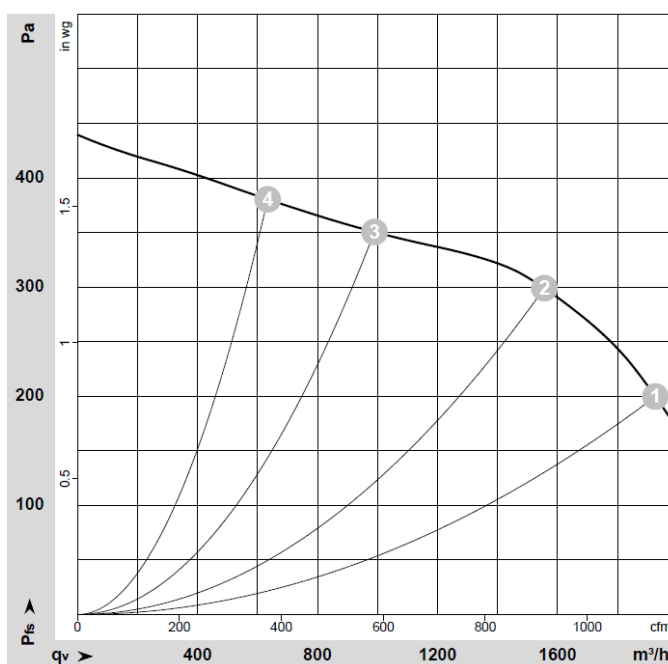
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
D4E200CA0202	M4E068-LA	230	50	2375	1100	490	2,15	10/400	60	250	-25..+30	11,3	
		230	60	1925	1250	525	2,30	10/400	60	380	-25..+30		
Subject to modification						Capacitor							
Pricelist						280F00040							

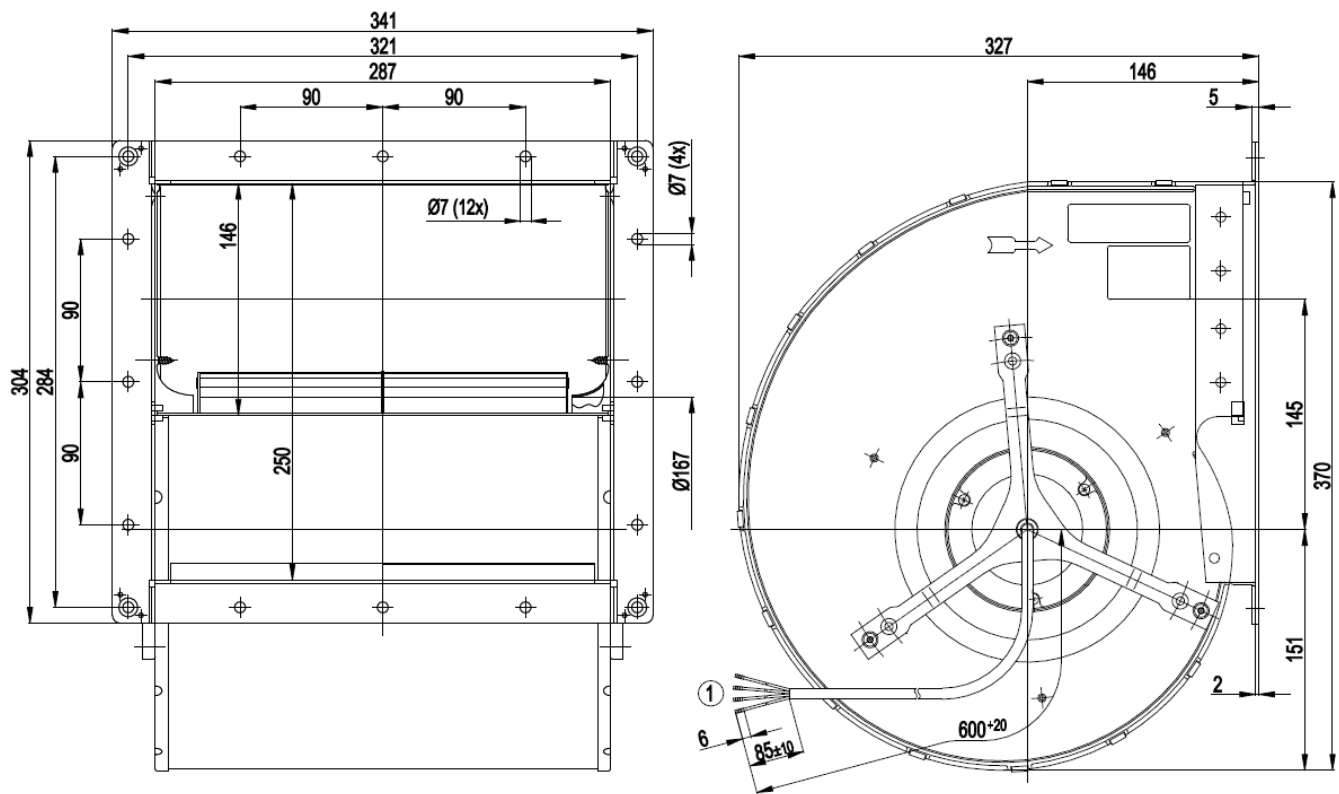
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

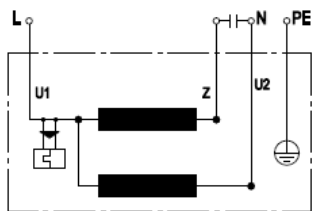


Drawing



1 Cable PVC 4G 0.5 mm², 4x crimped splices

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

D4E225CC0121 - Double inlet forward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: unpainted
- Housing: sheet steel, galvanized
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: IP22
- Isolation: F
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 600 mm

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
D4E225CC0121	M4E074-LA	230	50	2975	1150	650	2,9	25/400	65	360	-25...+50	12

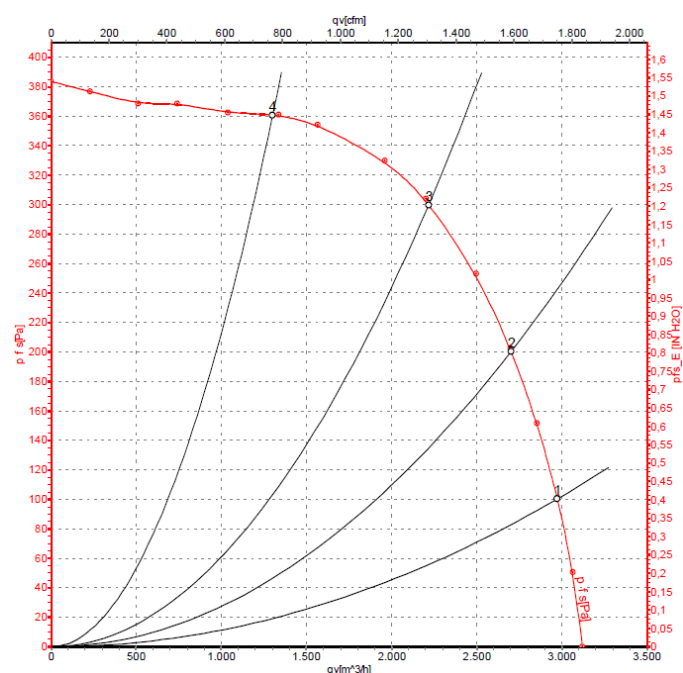
Subject to modification

[Pricelist](#)

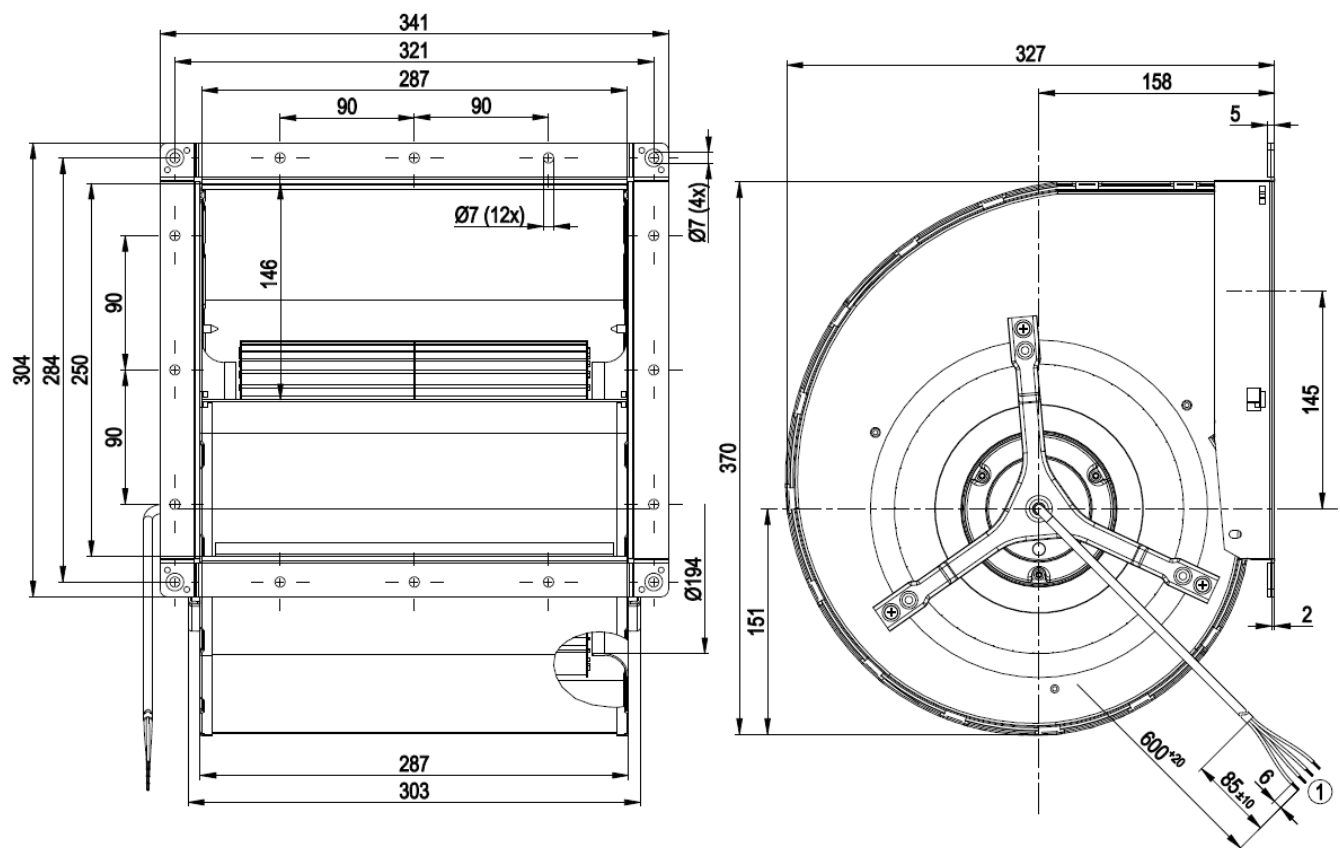
Capacitor

[280F00045](#)

Pressure over air flow at 50Hz

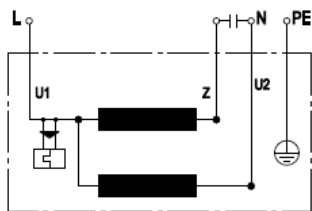


Drawing



1 Cable silicone 4G 0.5mm², 4x crimped splices

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E180AS7705 - Backward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Impeller: PA plastic, black
- Number of blades: 16

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

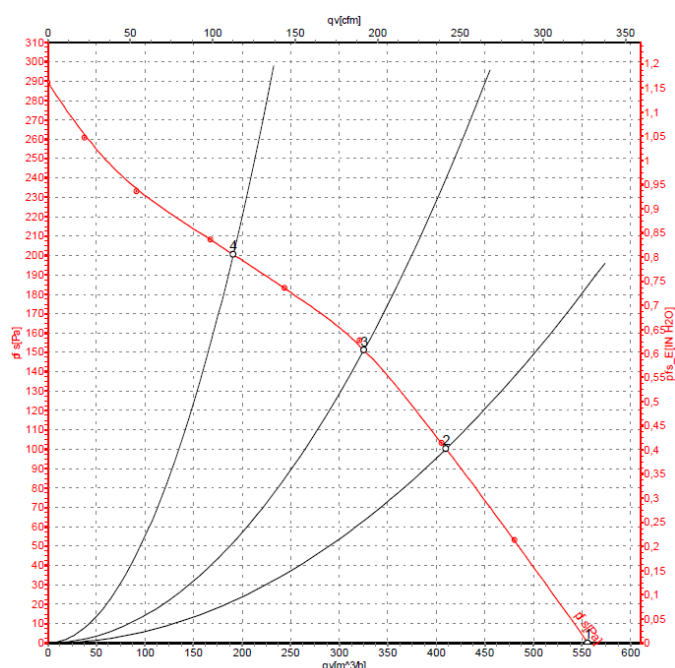
Conformity with standards

- Norm: EN 60335-1; CE

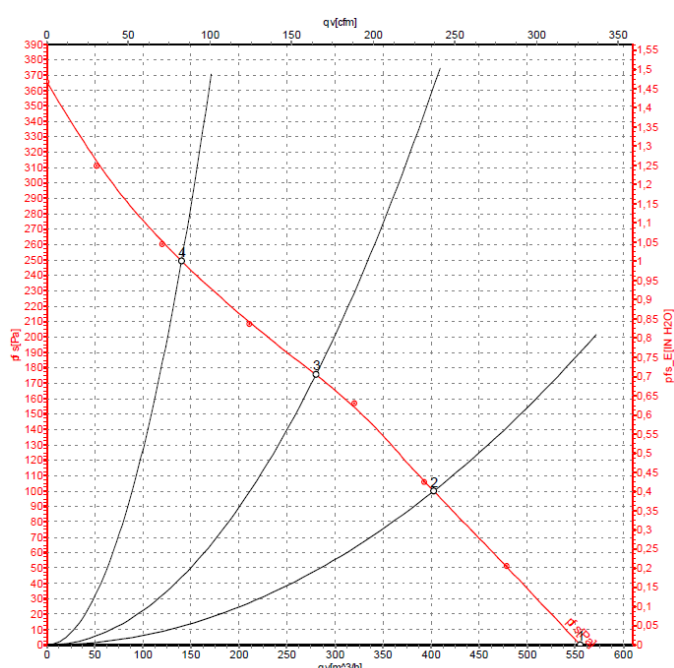
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E180AS7705	M2E068-BF	230	50	555	2300	82	0,36	2/450	63	200	-25..+40	1,37
		230	60	555	2300	100	0,45	2/450	63	250	-25..+35	
Subject to modification							Capacitor		Inlet ring			
Pricelist							280F00033		09576-2-4013			

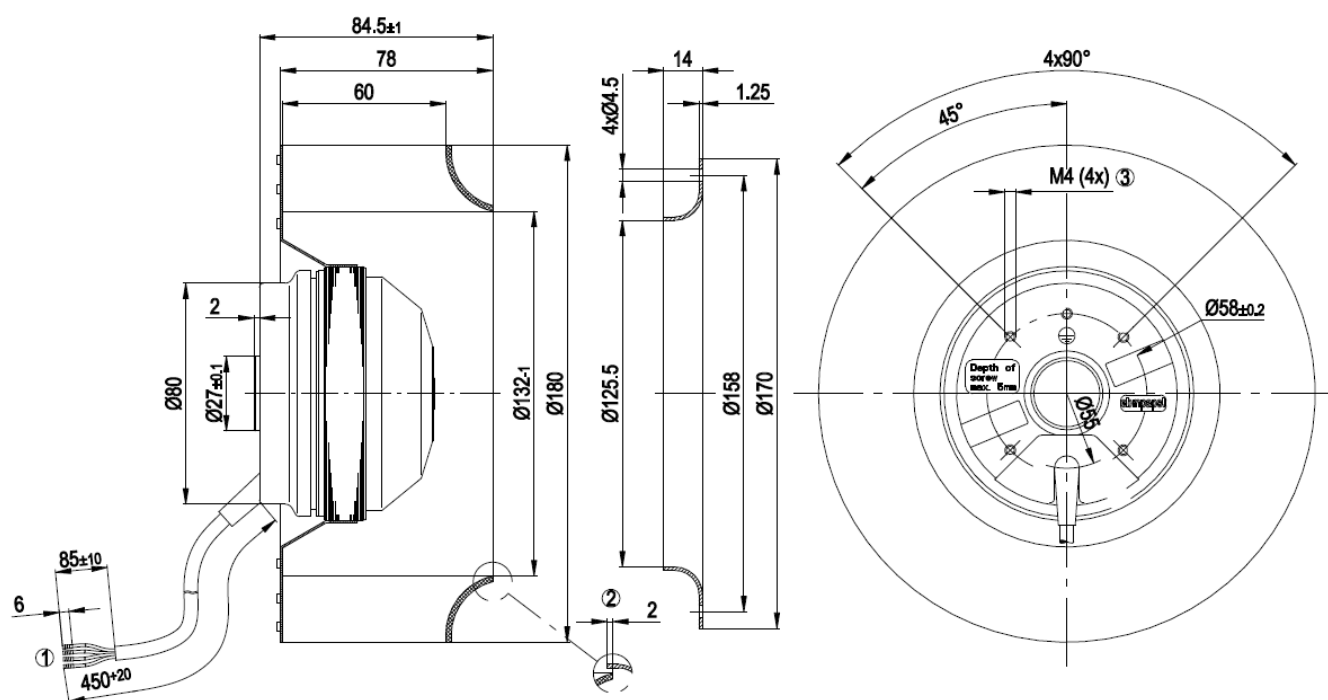
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz



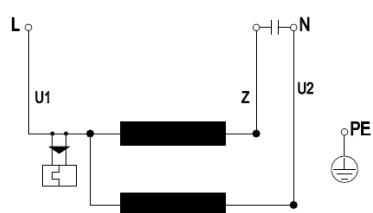
Drawing



1	Cable PVC 4x 0.5 mm², 4x crimped splices
2	Accessory part: inlet ring 09576-2-4013, not included in scope of delivery
3	Max. clearance for screw 5 mm

Spare parts

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E190RA2605 Radical - Backward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Impeller: PA plastic, black
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

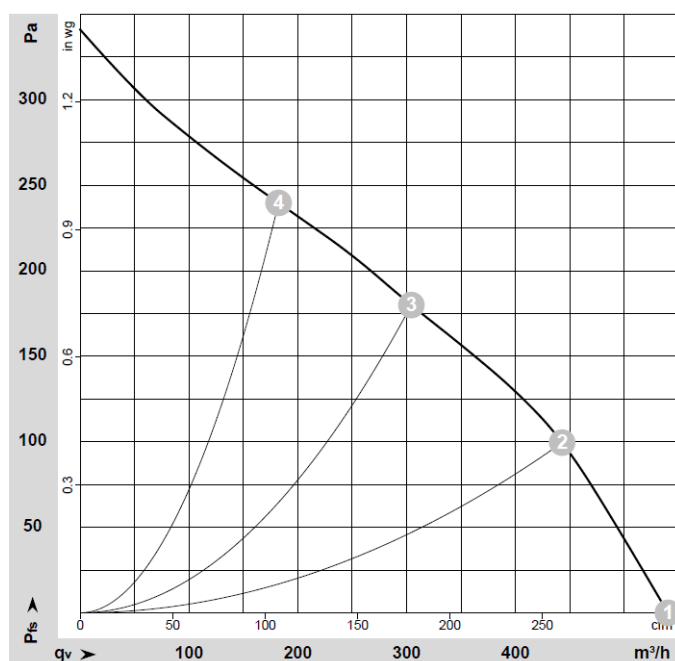
Conformity with standards

- Norm: EN 60335-1; CE

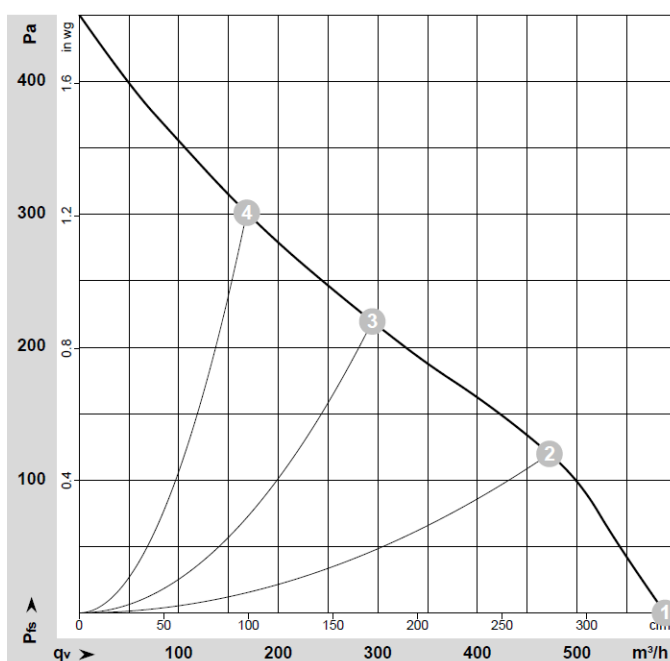
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E190RA2605	M2E068-BF	230	50	540	2350	52	0,23	1,5/400	66	240	-25..+65	1,3
		230	60	590	2500	65	0,29	1,5/400	68	300	-25..+75	
Subject to modification						Capacitor		Inlet ring				
Pricelist						280F00032		09576-2-4013				

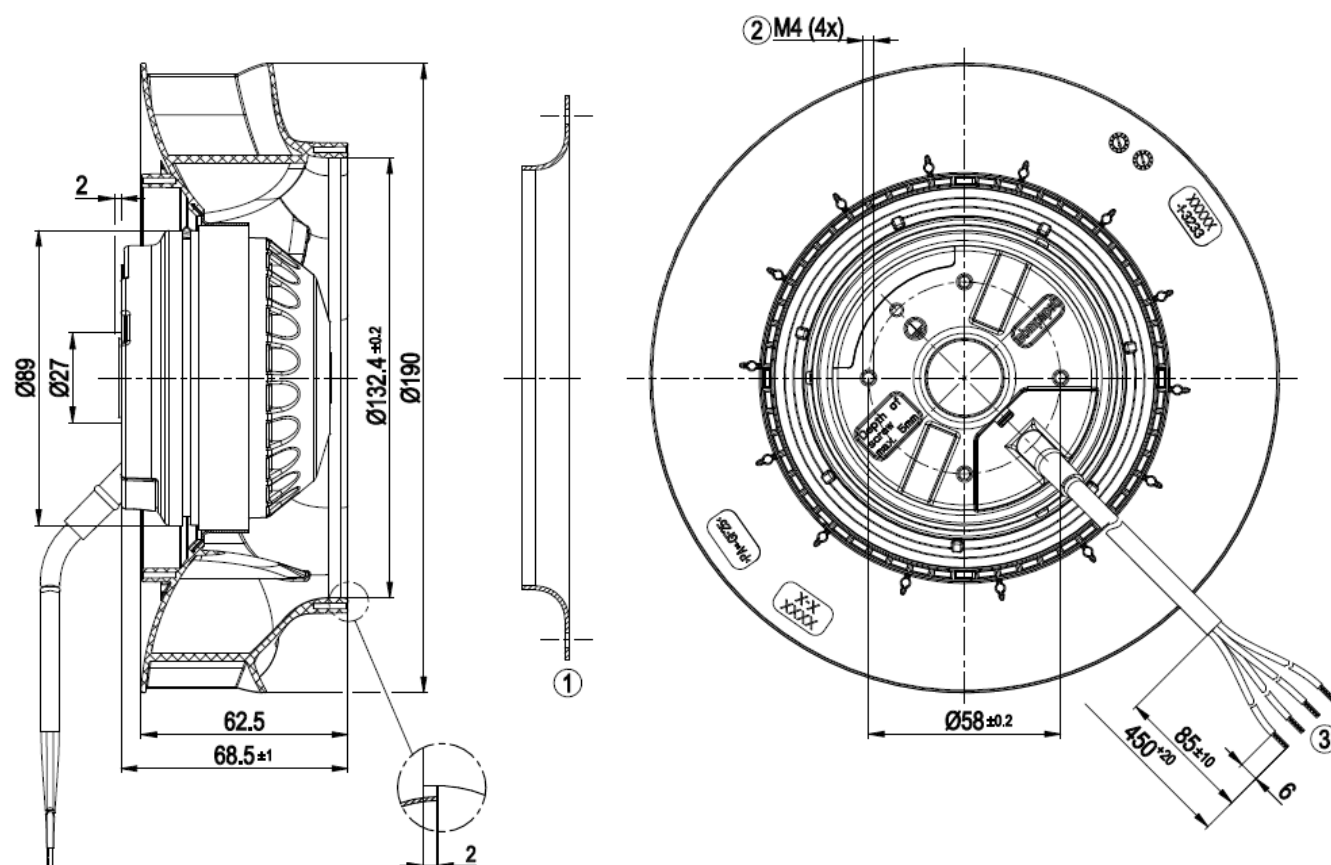
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

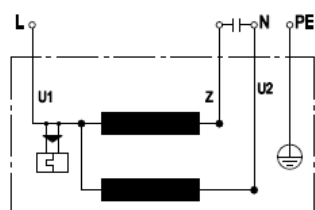


Drawing



- | | |
|---|---|
| 1 | Accessory part: inlet ring 09576-2-4013 not included in scope of delivery |
| 2 | Max. clearance for screw 5 mm |
| 3 | Cable PVC 4G 0.5 mm ² , 4x crimped splices |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E190AO2605 - Backward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Impeller: PA 6 plastic, glass-fiber reinforced
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

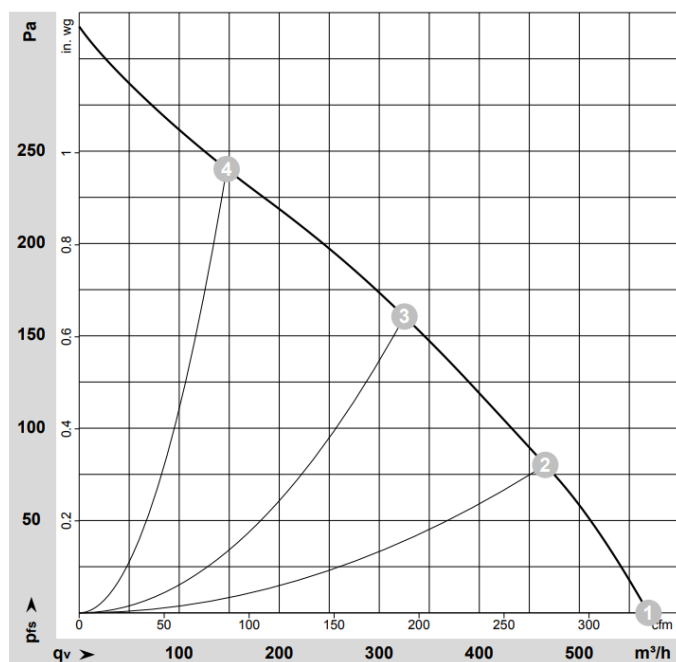
Conformity with standards

- Norm: EN 60335-1; CE

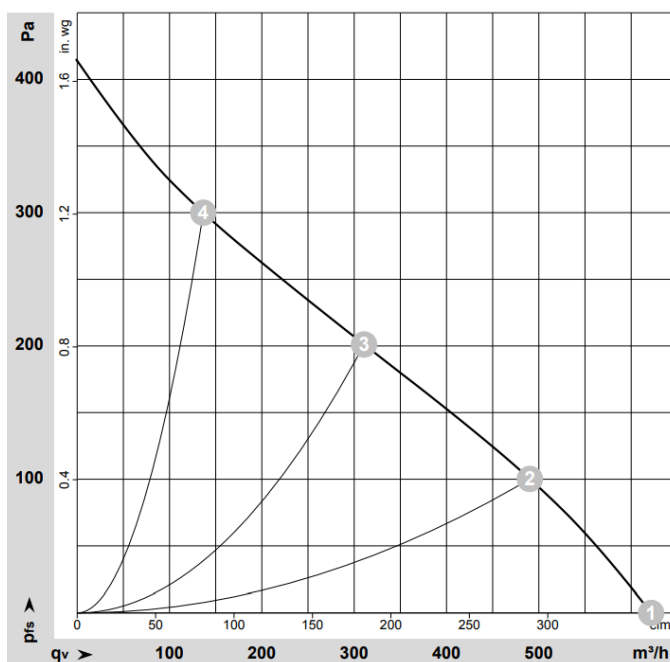
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E190AO2605	M2E068-BF	230	50	570	2500	58	0,26	2/400	62	240	-25..+50	1,2
		230	60	620	2700	75	0,34	2/400	64	300	-25..+55	
Subject to modification						Capacitor		Inlet ring				
Pricelist						280F00033		09576-2-4013				

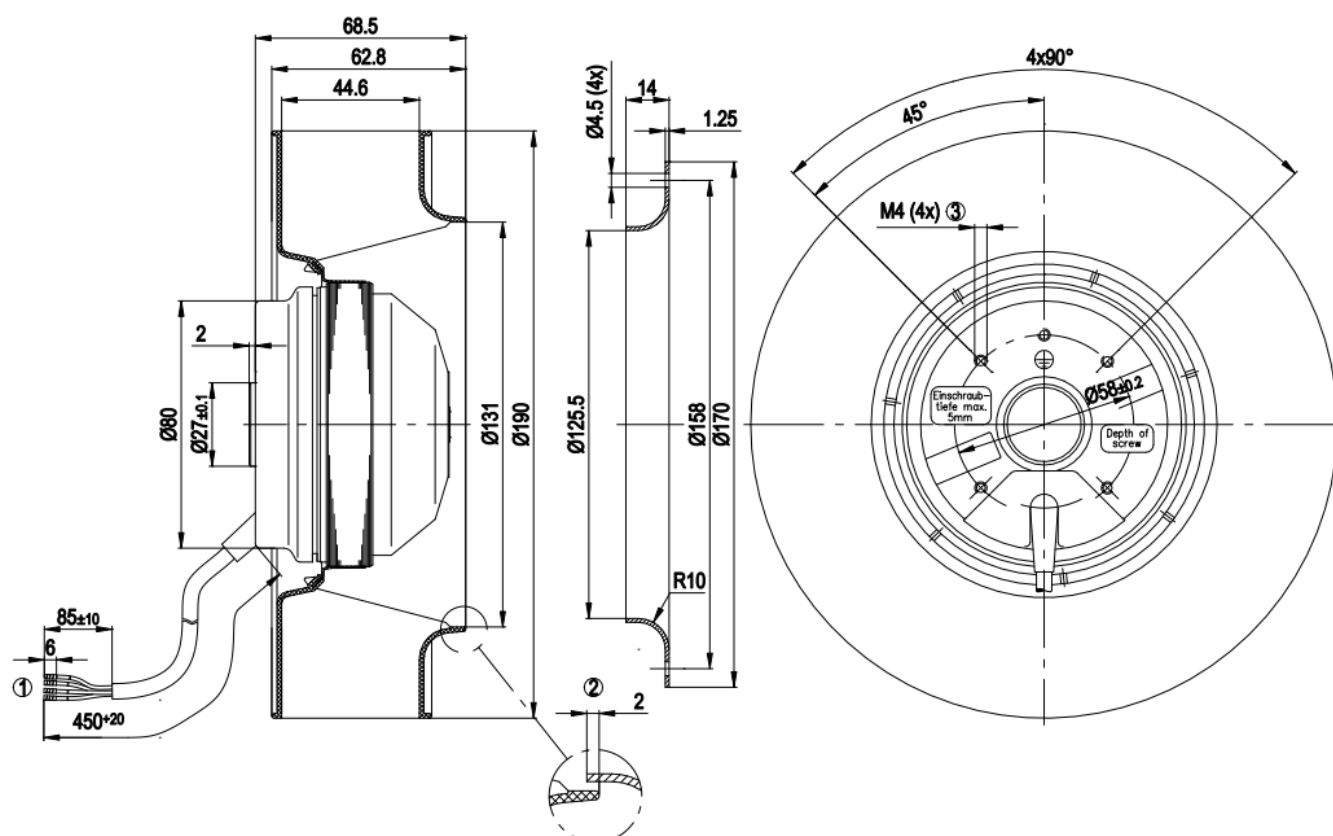
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz



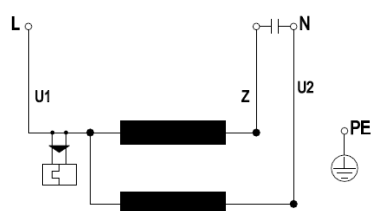
Drawing



1	Cable PVC, 4x crimped splices
2	Accessory part: inlet ring 09576-2-4013, not included in scope of delivery
3	Max. clearance for screw 5 mm

Spare parts

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E220RA3801 - Backward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Impeller: PA 6 plastic, glass-fiber reinforced
- Number of blades: 11

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

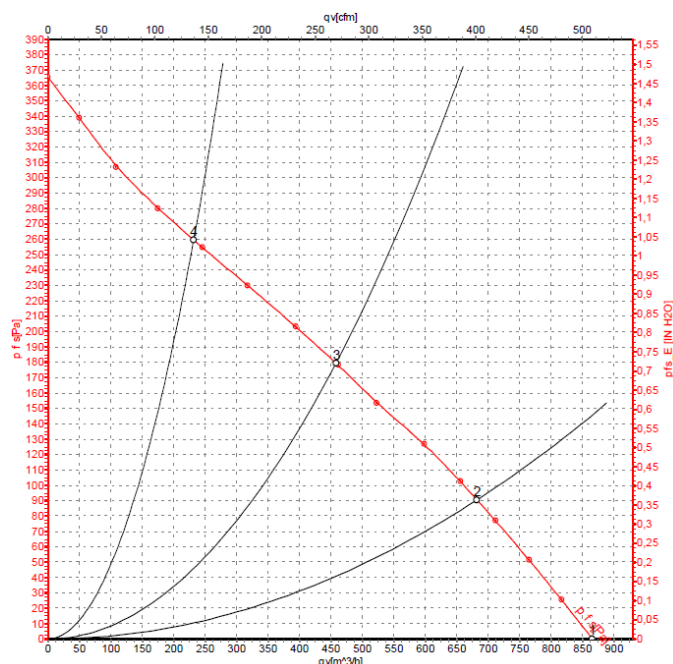
Conformity with standards

- Norm: EN 60335-1; CE

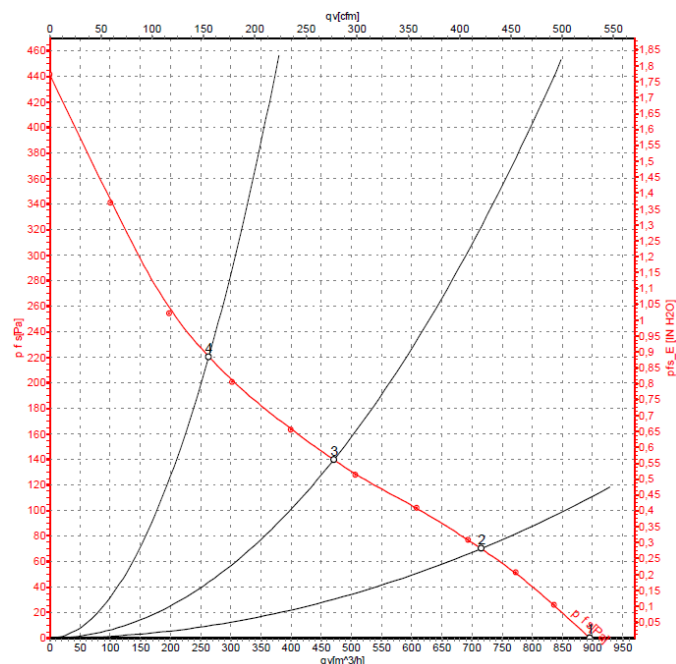
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight	
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg	
R2E220RA3801	M2E068-BF	230	50	865	2600	85	0,38	3/400	73	260	-25..+40	1,3	
		230	60	895	2700	90	0,40	2/400	74	220	-25..+40		
Subject to modification						Capacitor		Inlet ring					
Pricelist						280F00035		09609-2-4013					

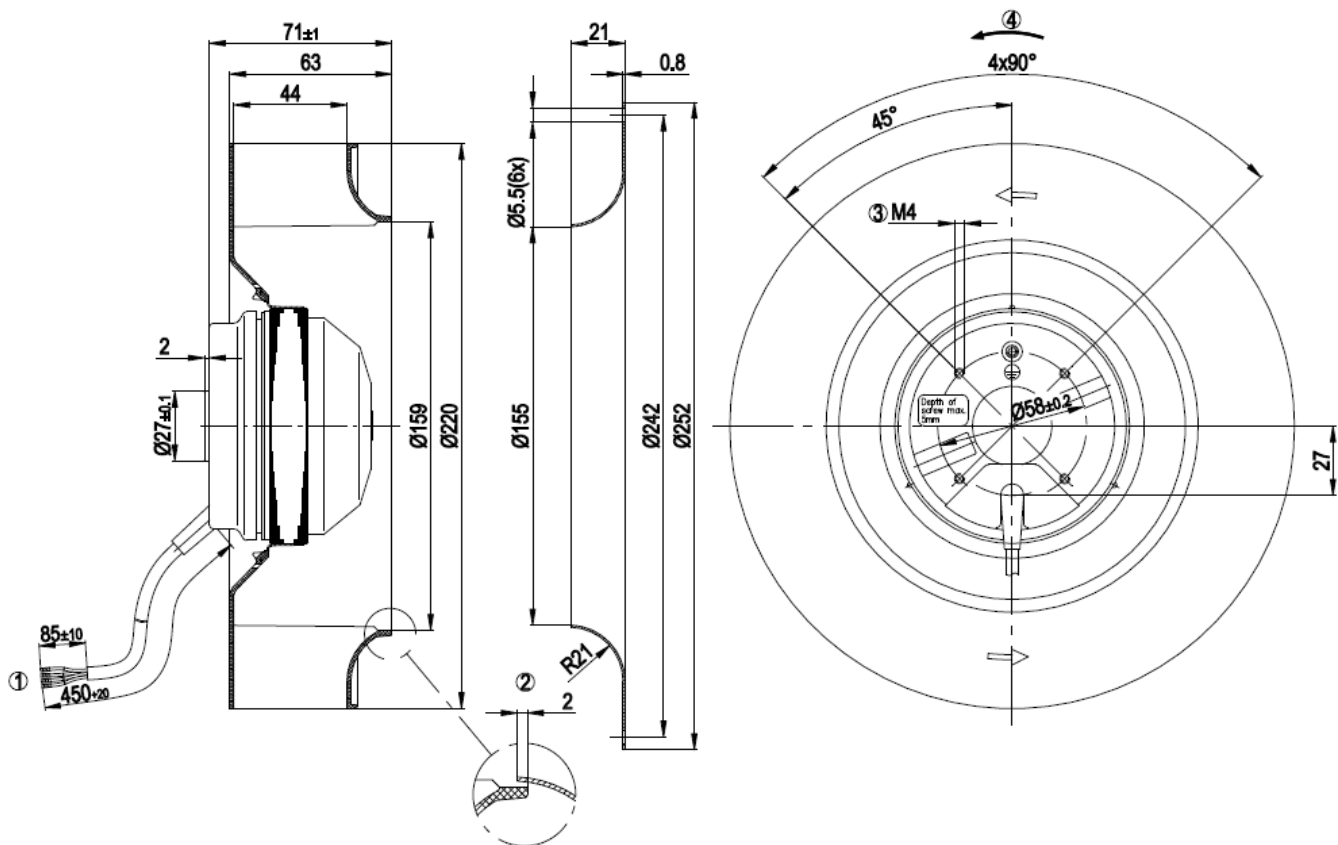
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

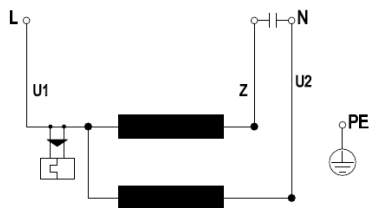


Drawing



1	Cable PVC, 4x crimped splices
2	Accessory part: inlet ring 09609-2-4013, not included in scope of delivery
3	Max. clearance for screw 5 mm
4	Direction of rotation clockwise, viewed toward rotor

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E225AT5105 - Backward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Impeller: PA 6 plastic, glass-fiber reinforced
- Number of blades: 11

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: B
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

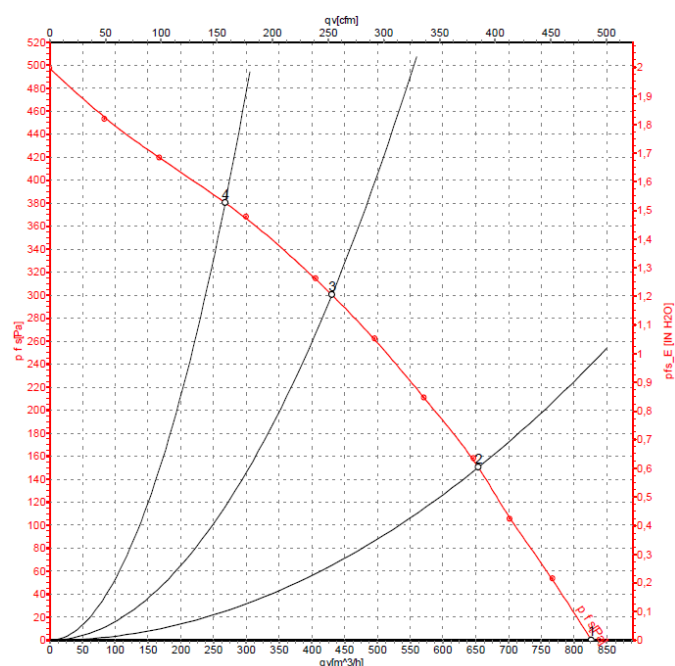
Conformity with standards

- Norm: EN 60335-1; CE

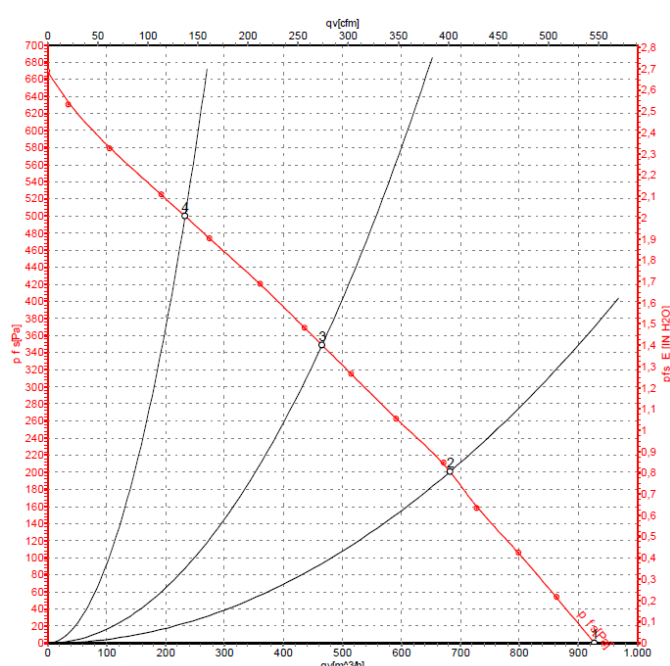
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E225AT5105	M2E068-DF	230	50	825	2650	105	0,46	3/450	70	380	-25..+55	2,1
		230	60	925	2950	145	0,64	3/450	72	500	-25..+55	
Subject to modification							Capacitor		Inlet ring			
Pricelist							280F00035		96358-2-4013			

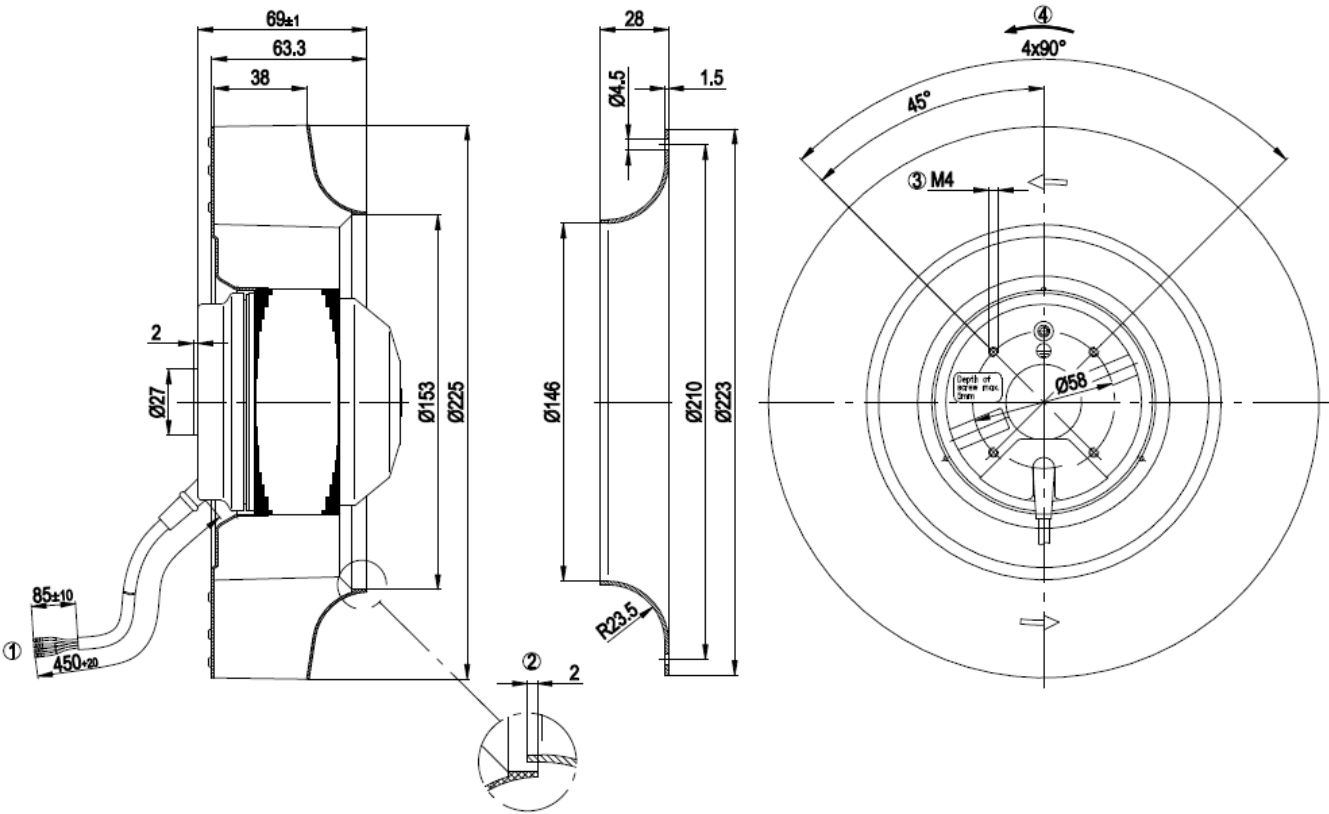
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

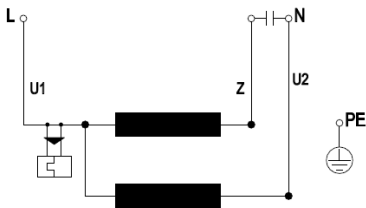


Drawing



1	Cable PVC, 4x crimped splices
2	Accessory part: inlet ring 96358-2-4013, not included in scope of delivery
3	Max. clearance for screw 5 mm
4	Direction of rotation clockwise, viewed toward rotor

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E225BD9209 - Backward curved

AC centrifugal fans



[Back to product overview:](#)

Material/surface

- Rotor: painted black
- Impeller: PA 6 plastic, glass-fiber reinforced
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: F
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

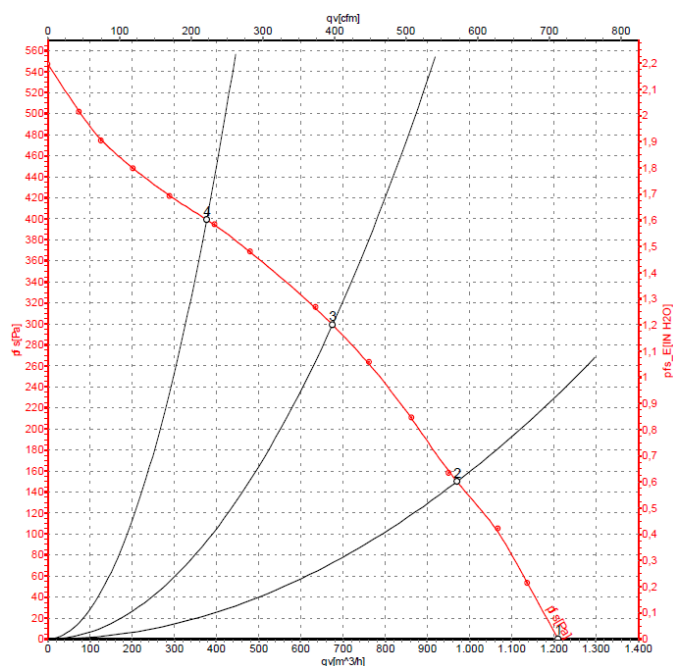
Conformity with standards

- Norm: EN 60335-1; CE

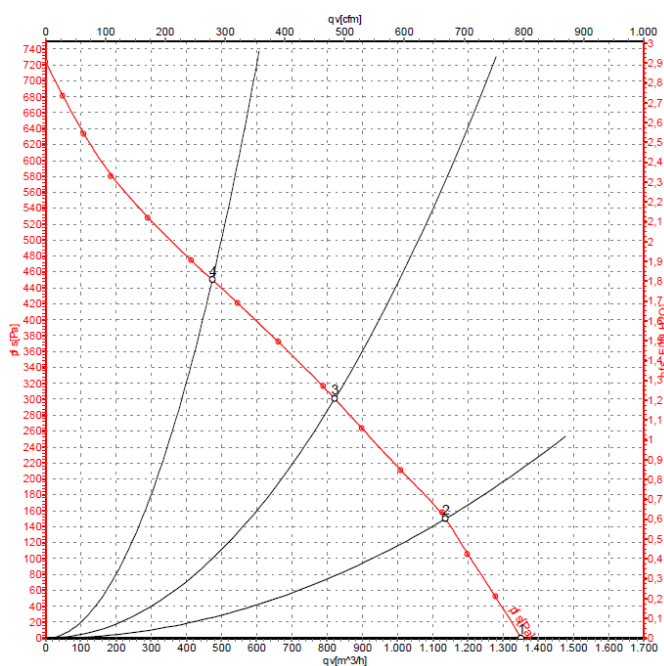
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E225BD9209	M2E068-DF	230	50	1210	2650	135	0,6	4/450	69	400	-25...+55	2,28
		230	60	1350	2950	200	0,88	4/450	71	450	-25...+55	
Subject to modification						Capacitor		Inlet ring				
Pricelist						280F00036		96358-2-4013				

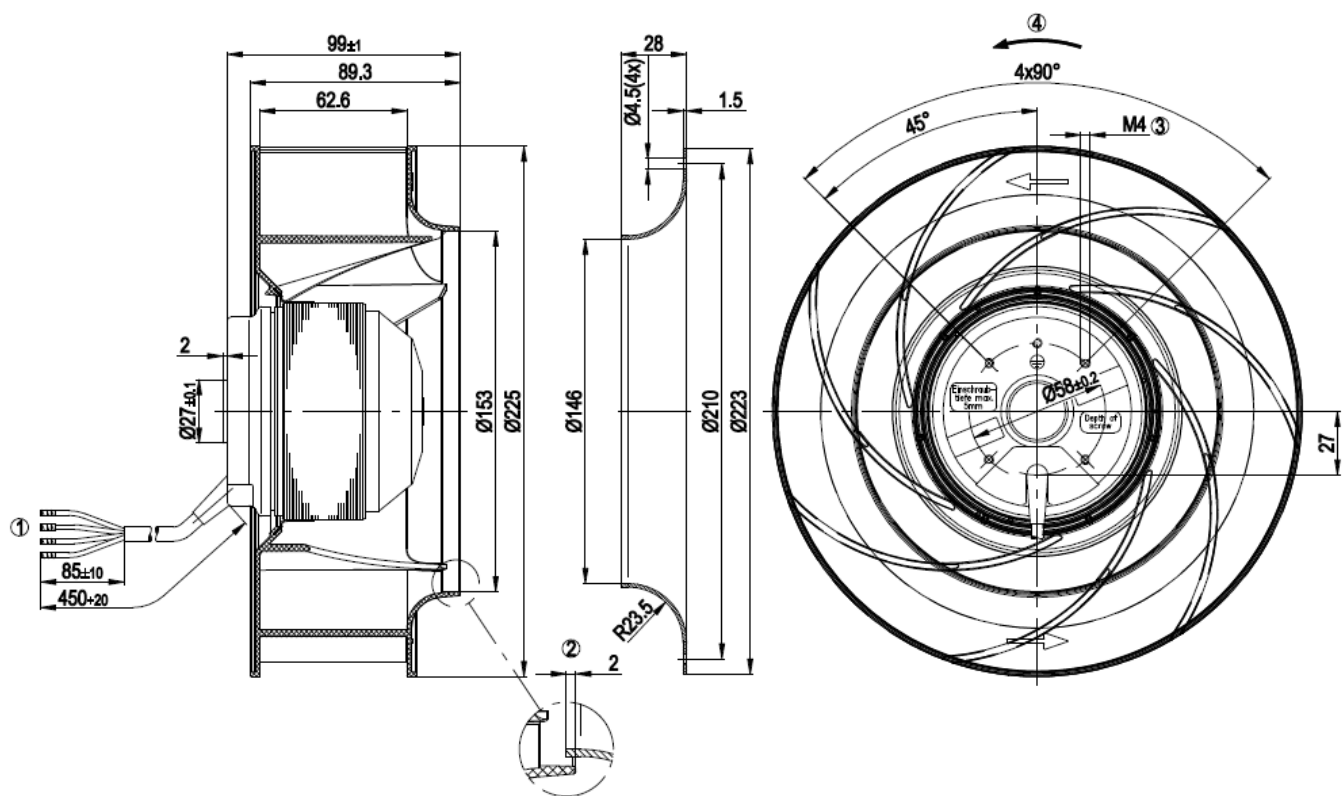
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

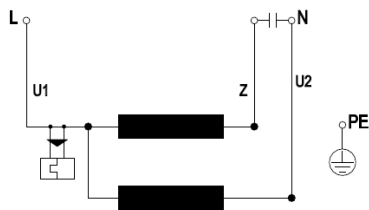


Drawing



- | | |
|---|---|
| 1 | Cable silicone, 4x crimped splices |
| 2 | Accessory part: inlet ring 96358-2-4013 not included in scope of delivery |
| 3 | Max. clearance for screw 5 mm |
| 4 | Direction of rotation clockwise, viewed toward rotor |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

R2E280AE5205 - Backward curved

AC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: painted black
- Impeller: sheet steel, painted black
- Number of blades: 11

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP44
- Isolation: F
- Condensate discharges: On rotor side
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	C	kg
R2E280AE5205	M2E068-EC	230	50	2110	2700	225	1,0	7/400	76	550	-25...+40	3,5

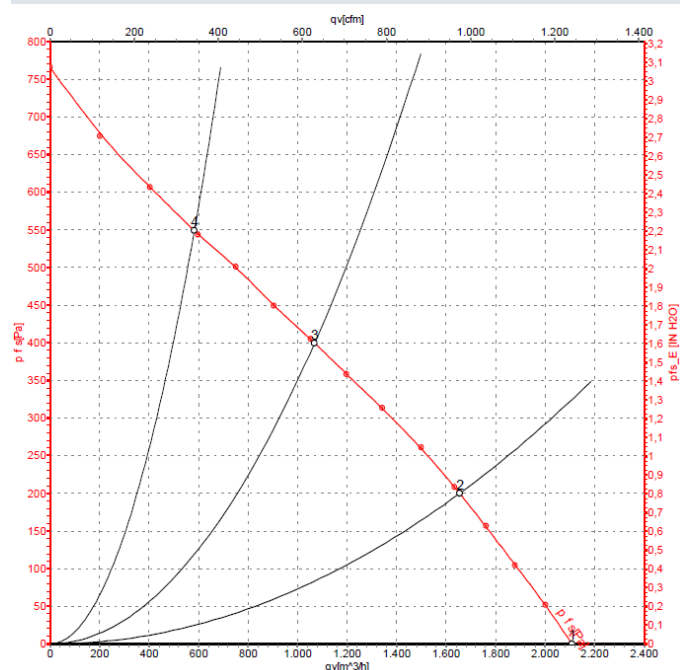
Subject to modification

[Pricelist](#)

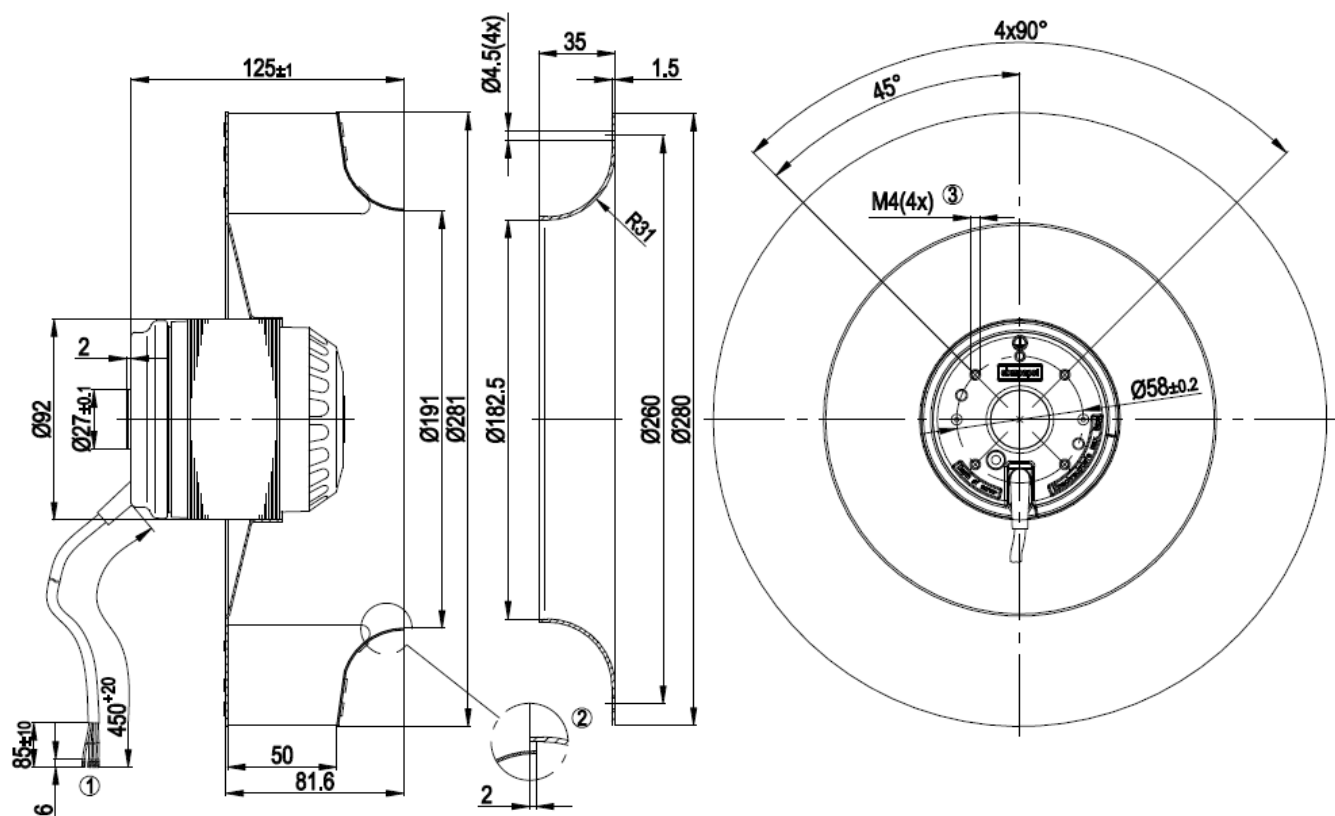
Capacitor

[280F00055](#)

Pressure over air flow at 50Hz

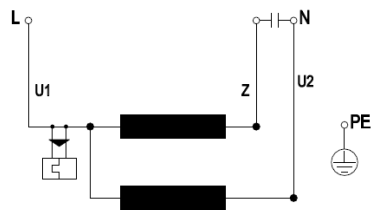


Drawing

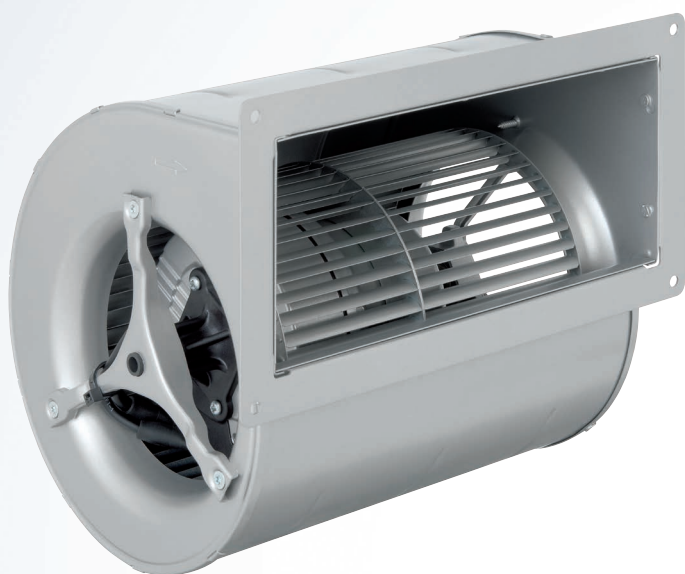


1	Cable silicone 4G 0.5 mm², 4x crimped splices
2	Accessory part: inlet ring 96360-2-4013 not included in scope of delivery
3	Max. clearance for screw 6 mm

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				



EC centrifugal fans

ebmpapst

engineering a better life

D3G146LV0531 - Forward curved, dual intake

EC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: Galvanized
- Housing: PP plastic
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: Motor IP34, electronics IP20
- Isolation: F
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Connector

Conformity with standards

- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
D3G146LV0531	M3G055-DF	230	50/60	1155	1560	170	0,8	-	-	380	-25...+60	2,8

Subject to modification

[Pricelist](#)

Connection leads

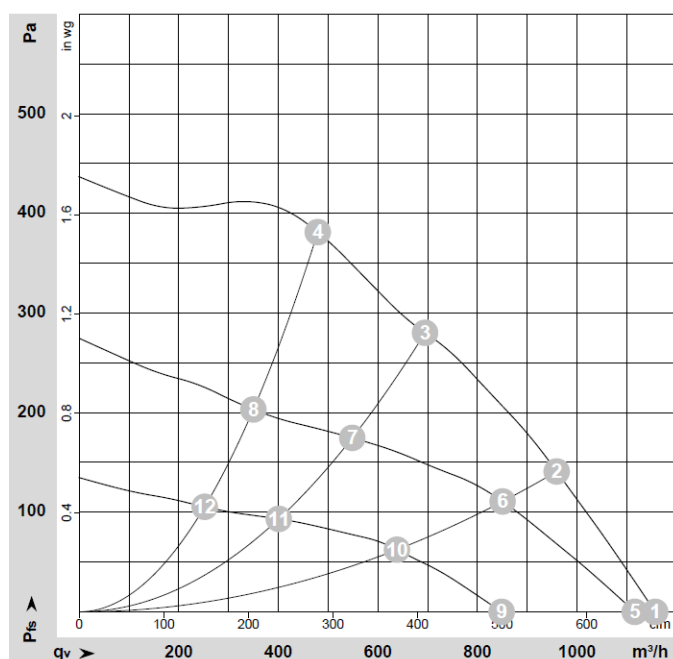
[65031-4-1040](#)

[65007-4-1040](#)

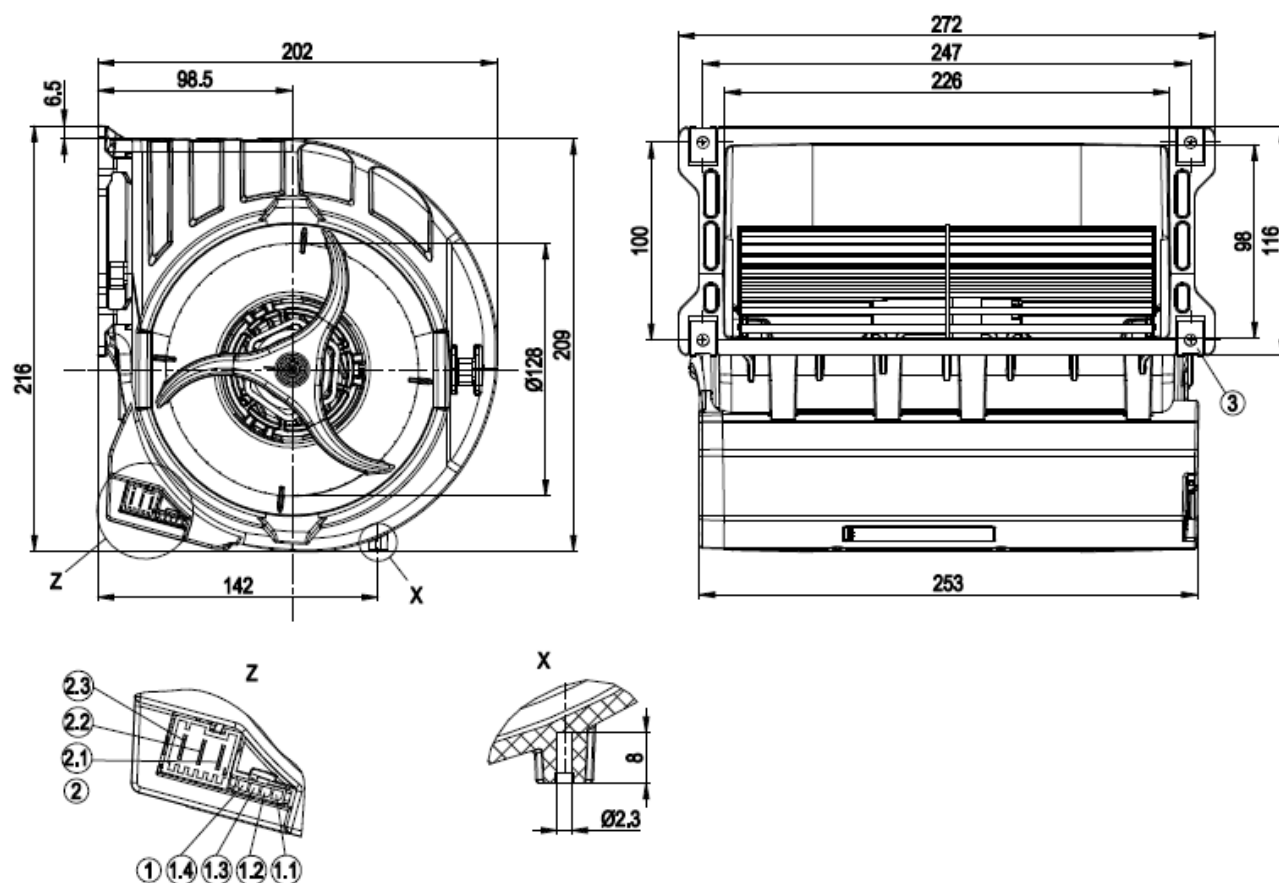
Speed control device

[280A00050](#)

Pressure over air flow at 50Hz

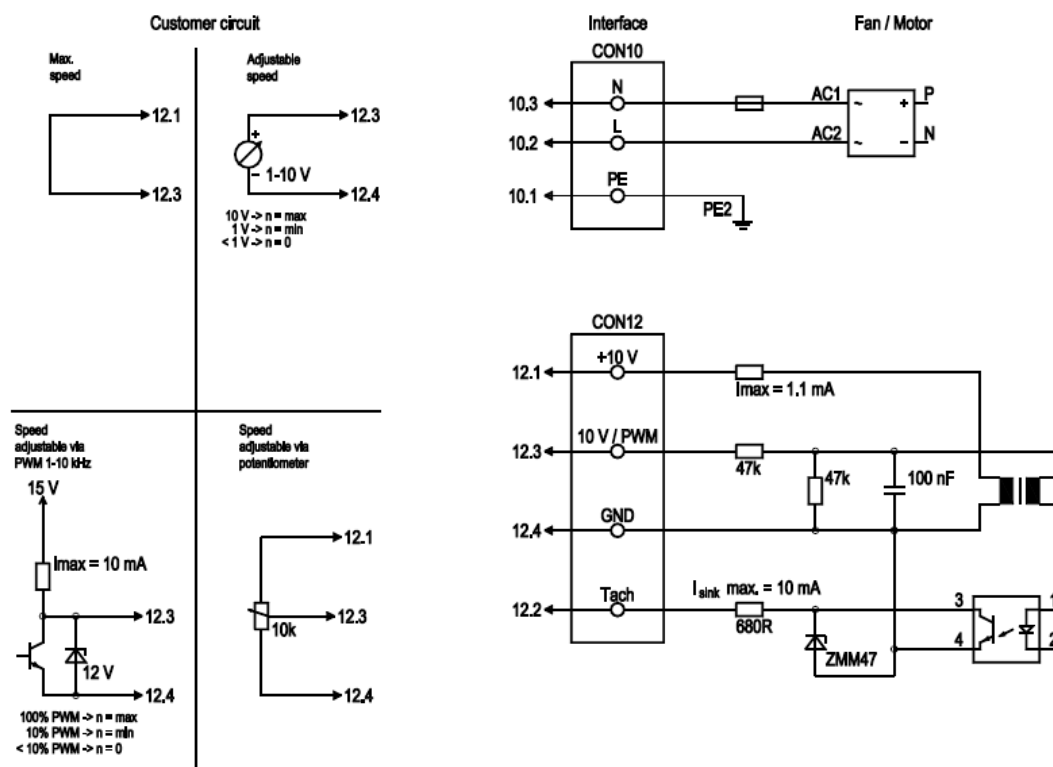


Drawing



1	Header Molex Micro Fit 3.0 04365 00400 (pluggable with 04364 50400)
1.1	10 V
1.2	Tach
1.3	0-10 V lin. / PWM
1.4	GND
2	Connector Lumberg 3642 03 K01 (pluggable with 3626 03 K01)
2.1	PE
2.2	L
2.3	N
3	4x sheet metal nut for thread EN ISO 1478-ST4.8 (min. screw length 14.5 mm plus material thickness of attachment)

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
CON10	10.1	PE	green/yellow	Protective earth
CON10	10.2	L	black	Power supply 230 VAC, 50-60 Hz or 330 VDC, see nameplate for voltage range
CON10	10.3	N	blue	Neutral conductor
CON12	12.1	10 V / max. 1,1 mA	red	Voltage output 10 V, 1.1 mA, electrically isolated, not short-circuit-proof
CON12	12.2	Tach	white	Tach output: Open collector, 1 pulse per revolution, electrically isolated, Isink max = 10 mA
CON12	12.3	0-10 V	yellow	Control input 0-10 V or PWM, electrically isolated
CON12	12.4	GND	blue	GND connection of control interface

D3G146LV1333 - Forward curved, dual intake

EC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: Galvanized
- Housing: PP plastic
- Impeller: sheet steel, galvanized

Technical description

- Direction of rotation: Left CCW, seen on rotor
- Protection: Motor IP34, electronics IP20
- Isolation: F
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Connector

Conformity with standards

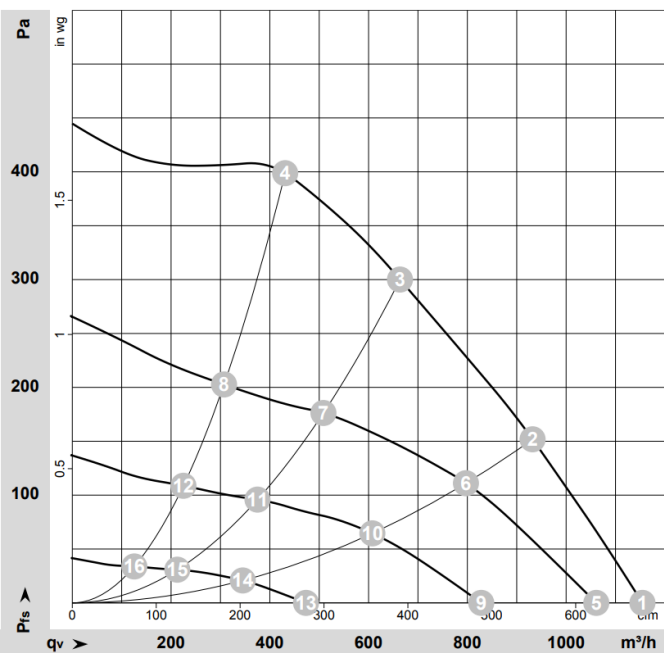
- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

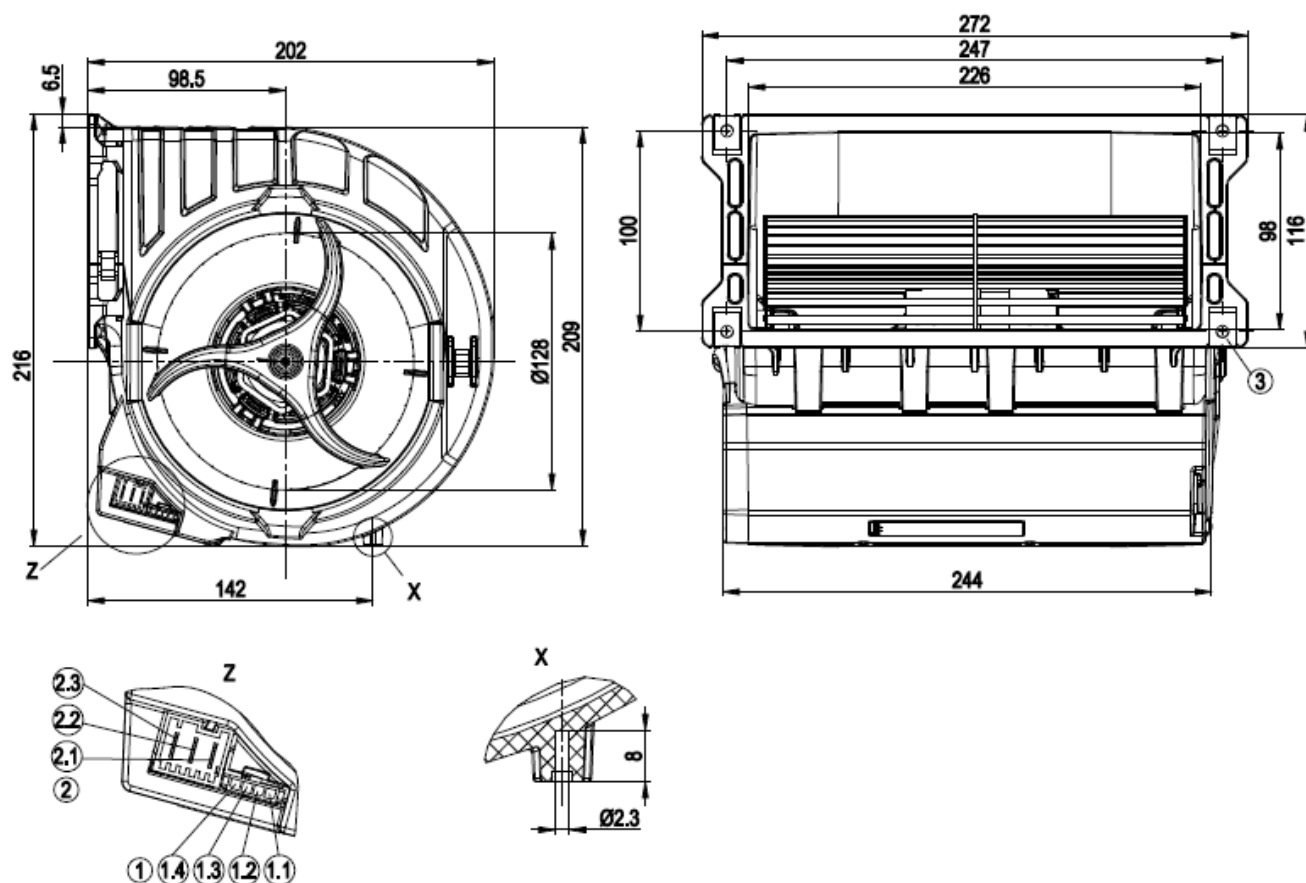
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
D3G146LV1333	M3G055-DF	230	50/60	1155	1550	167	1,3	-	-	400	-25...+55	2,9

Subject to modification	Connection leads	Speed control device
Pricelist	65031-4-1040	280A00050
	65007-4-1040	

Pressure over air flow at 50Hz

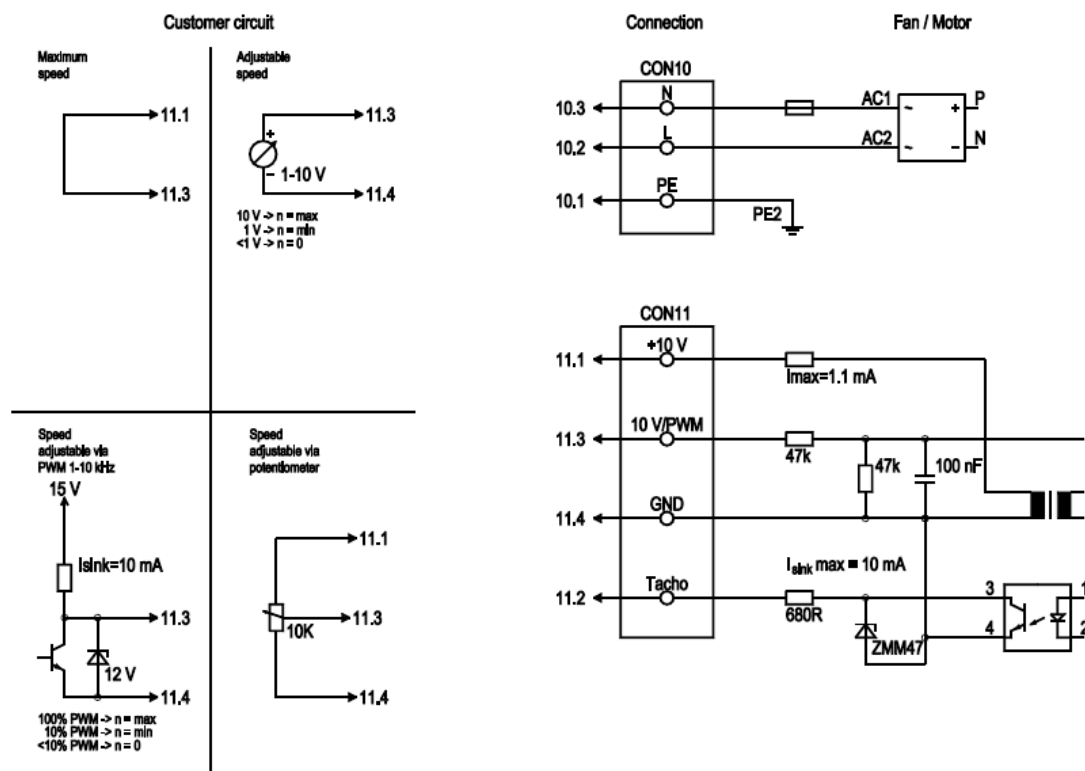


Drawing



1	Strip Molex Micro Fit 3.0 04365 00400 (pluggable with 04364 50400)
1.1	10 V
1.2	Tacho
1.3	0-10 V lin. / PWM
1.4	GND
2	Connector Lumberg 3642 03 K01 (pluggable with 3626 03 K01)
2.1	PE
2.2	L
2.3	N
3	4x sheet metal nut for thread EN ISO 1478-ST4.8 (min. screw length 14.5 mm plus thickness of mounting material)

Connection illustration



No.	Conn.	Designation	Colour	Function / assignment
CON10	10.1	PE	green/yellow	Protective earth
CON10	10.2	L	black	Power supply 230 VAC, 50-60 Hz, see type plate for voltage range
CON10	10.3	N	blue	Neutral conductor
CON11	11.1	10 V/max. 1.1 mA	red	Voltage output 10 V, 1.1 mA, electrically isolated, not short-circuit-proof
CON11	11.2	Tach	white	Tach output: Open collector, 1 pulse per revolution, electrically isolated, Isink max = 10 mA
CON11	11.3	0-10 V PWM	yellow	Control input 0-10 V or PWM, electrically isolated
CON11	11.4	GND	blue	GND connection for control interface

D3G146HQ1334 - Forward curved, dual intake

EC centrifugal fans



Back to product overview:



Material/surface

- Rotor: Galvanized
- Housing: PP plastic
- Impeller: PP plastic

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP20
- Isolation: F
- Condensate discharges: None
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Plug

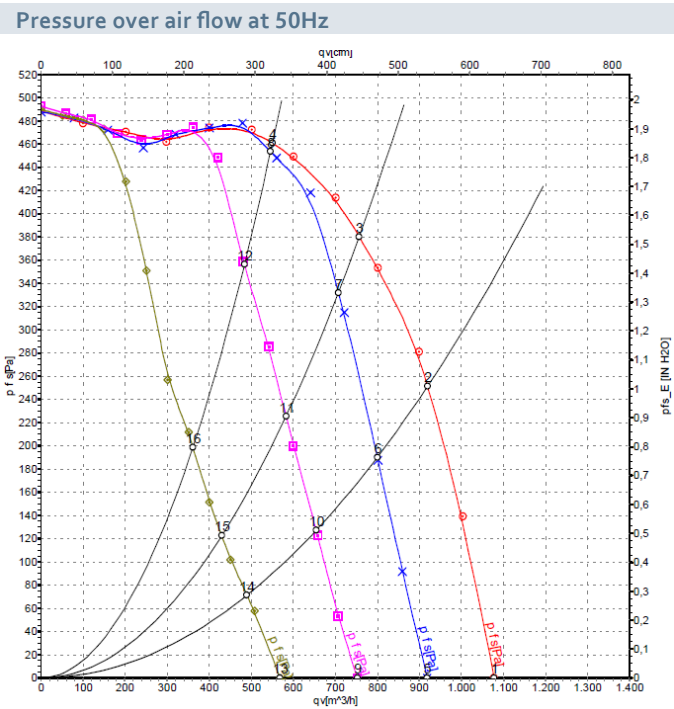
Conformity with standards

- Norm: EN 60335-1; EN 60335-2-31; CE

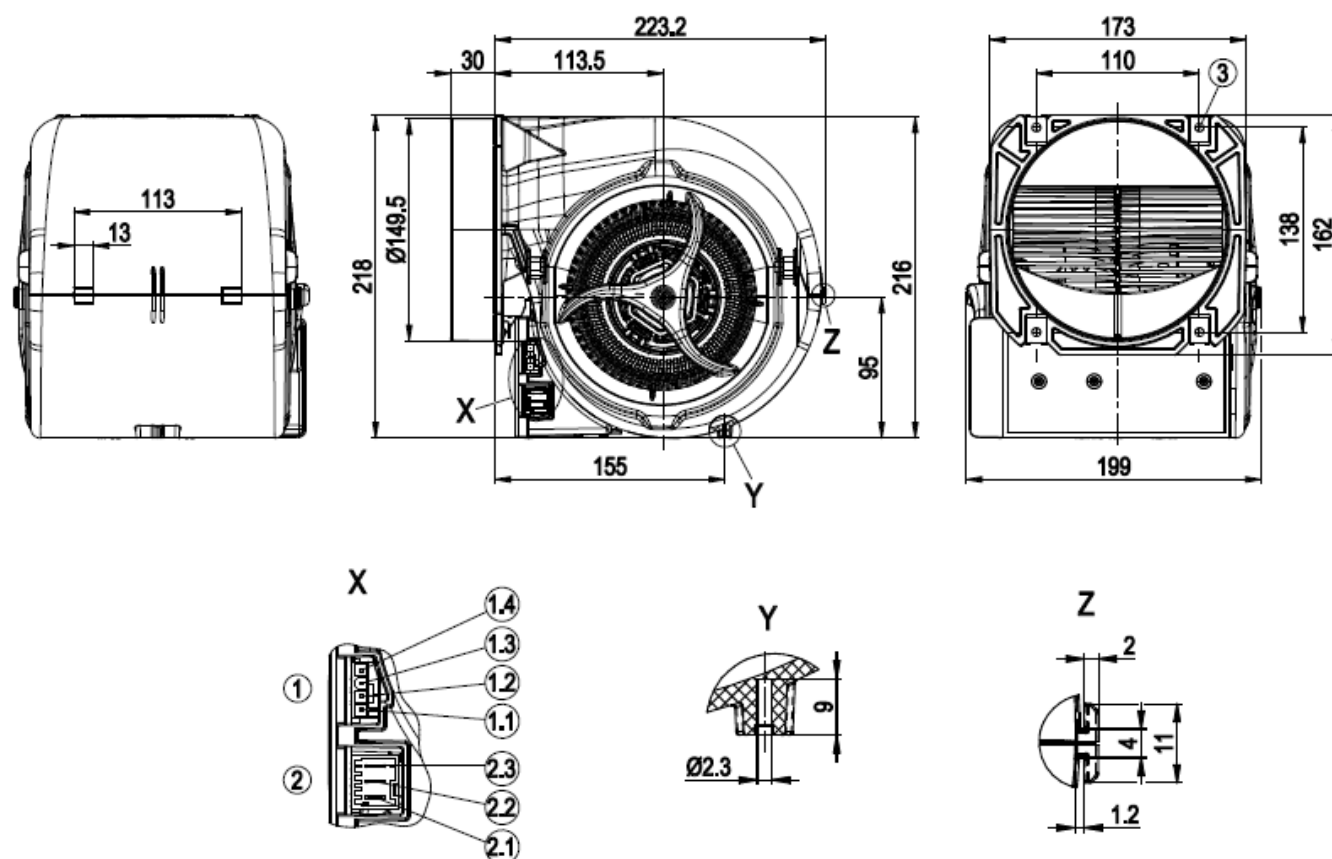
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
D3G146HQ1334	M3G055-DF	230	50/60	1080	2400	230	1,8	-	-	460	-25...+50	2,4

Subject to modification
Pricelist

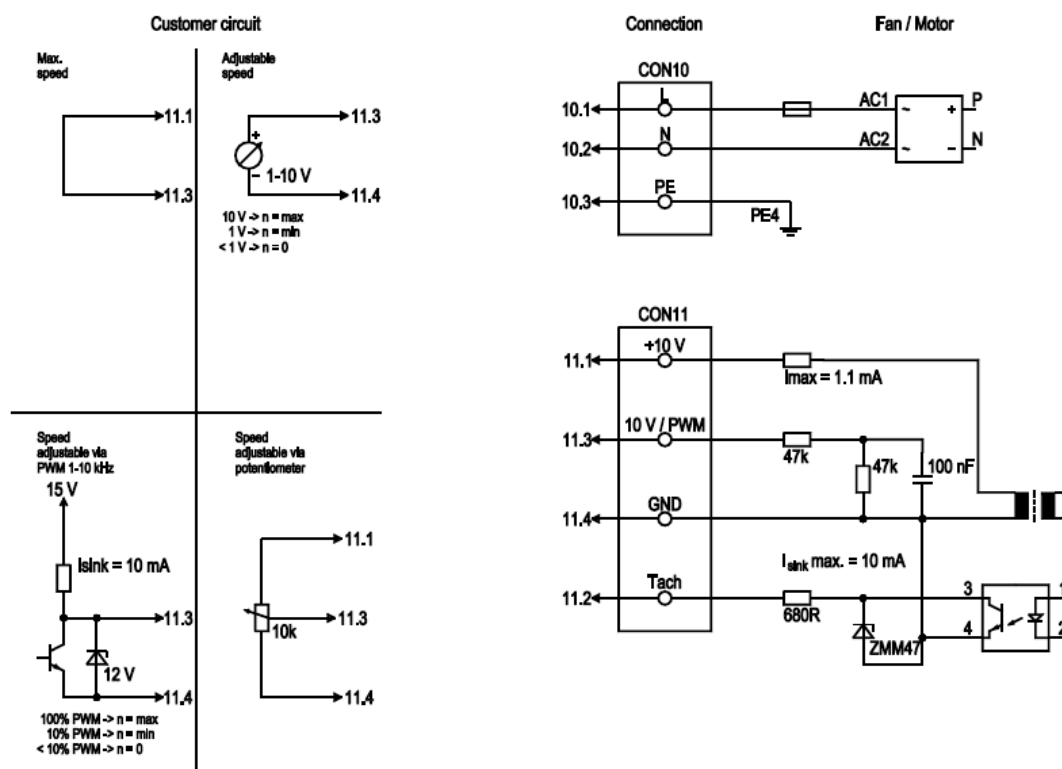


Drawing



1	Header Stocko MSLO 7708-004-003-960 pluggable with Stocko EH 705-004-003-960 + RBB 8230.120 Ms
1.1	10 V
1.2	Tach
1.3	0-10 V / PWM
1.4	GND
2	Macromodul connector Stocko MSLO 9404-003-00A-960 pluggable with Stocko MFMP 9761-003-50A-960
2.1	L
2.2	N
2.3	PE
3	4x sheet metal nut for thread EN ISO 1478-ST4.8

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
CON10	10.1	L	black	Power supply 230 VAC, 50-60 Hz, see nameplate for voltage range
CON10	10.2	N	blue	Neutral conductor
CON10	10.3	PE	green/yellow	Protective earth
CON11	11.1	10 V/max. 1.1mA	red	Voltage output 10 V / 1.1 mA, electrically isolated, not short-circuit-proof
CON11	11.2	Tacho	white	Tach output: Open collector, 1 pulse per revolution, electrically isolated, Isink max = 10 mA
CON11	11.3	0-10 V PWM	yellow	Control input 0-10 V or PWM, electrically isolated
CON11	11.4	GND	blue	GND connection for control interface

G3G160RF3103

EC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: Thick-film passivated
- Housing: PP plastic
- Impeller: PP plastic

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Condensate discharges: None, open rotor
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable

Conformity with standards

- Norm: EN 60335-1; CE

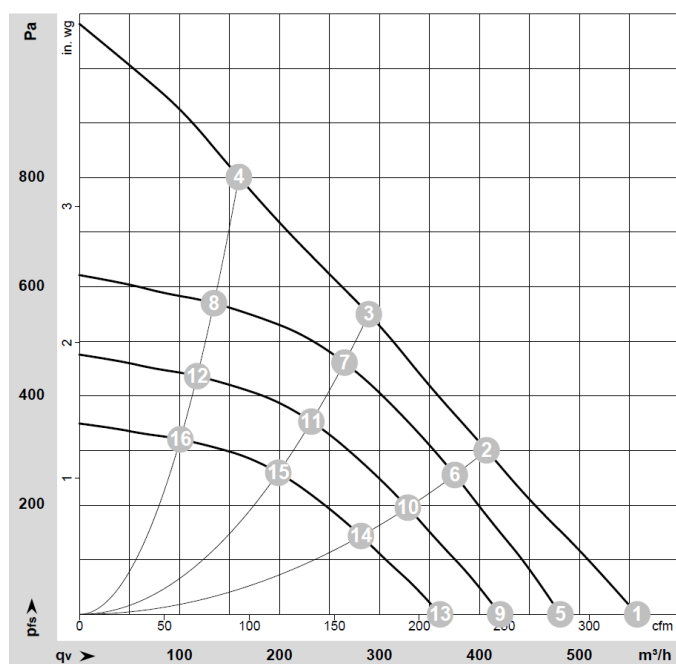
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
G3G160RF3103	M3G055-BD	230	50/60	560	4300	85	0,75	-	-	800	-25..+60	1,52

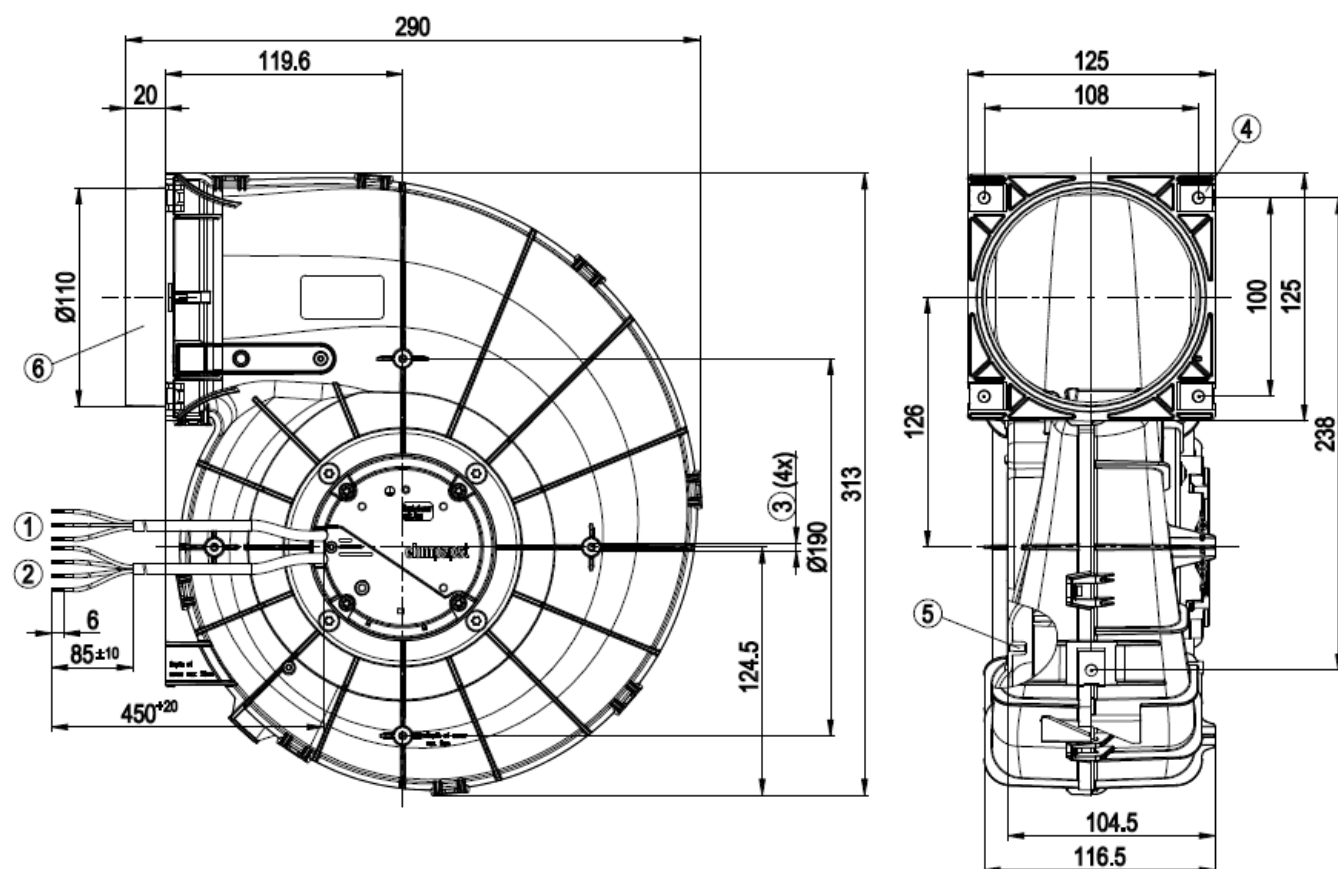
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

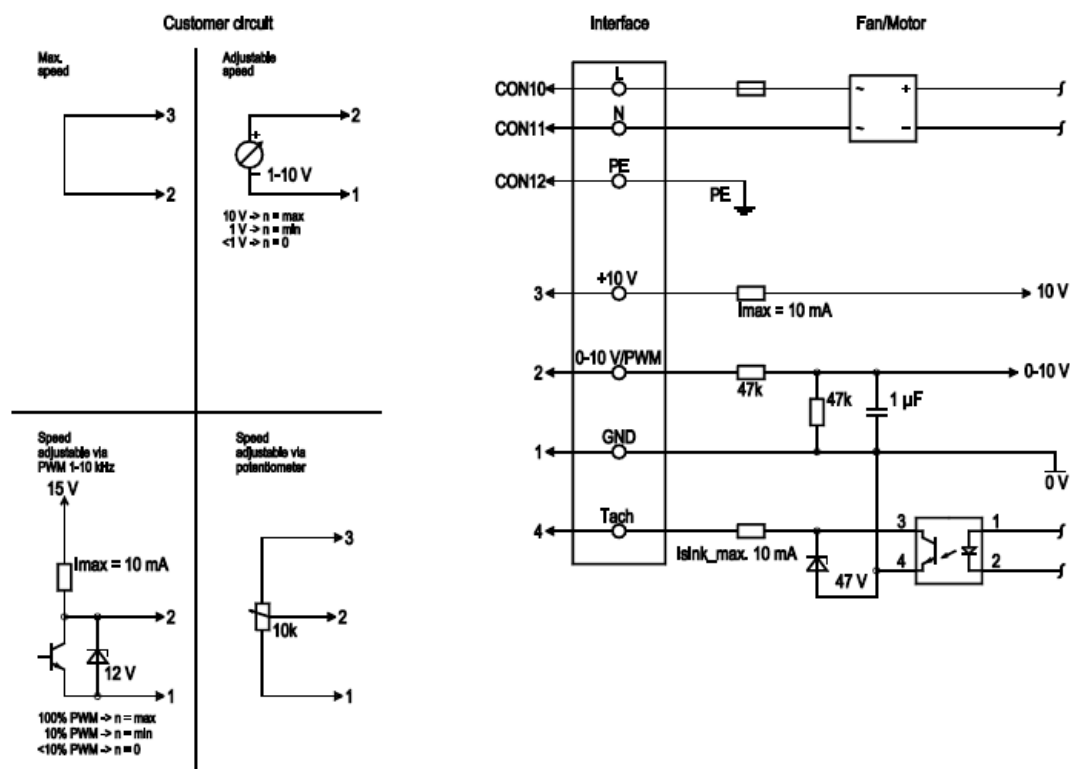


Drawing



1	Cable PVC 3G 0.5 mm ² 3x splice
2	Cable PVC 4x 0.25 mm ² 4x splice
3	Tapping hole prepared for self-tapping screw for fastening plastics (Remform) dia. 4 mm, screw-in depth max. 9 mm, torque is to be determined on the basis of the screw.
4	5x sheet metal nut for thread EN ISO 1478-ST4.8 (max. screw length 20 mm plus thickness of mounting material)
5	Screw-on domes are only permissible for Flowgrid!
6	Connecting sleeve not suitable for installation with pipe clamps

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	brown	Supply connection, power supply, phase, see nameplate for voltage range
	CON11	N	blue	Supply connection, power supply, neutral conductor, see nameplate for voltage range
	CON12	PE	green/yellow	Ground connection
	2	0- 10V PWM	yellow	0-10 V / PWM control input, R _i =100 kΩ, SELV
	4	Tach	white	Tach output, open collector, 1 pulse per revolution, I _{sink} max = 10 mA, SELV
	3	+10 V	red	Fixed voltage output 10 VDC +/-3 %, I _{max} . 10 mA, short-circuit-proof, power supply for ext. devices (e.g. pot), SELV
	1	GND	blue	Reference ground for control interface, SELV

G3G190RD4503

EC centrifugal fans



[Back to product overview:](#)



Material/surface

- Rotor: Thick-film passivated
- Housing: PP plastic
- Impeller: PP plastic

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Condensate discharges: None, open rotor
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable

Conformity with standards

- Norm: EN 60335-1; CE

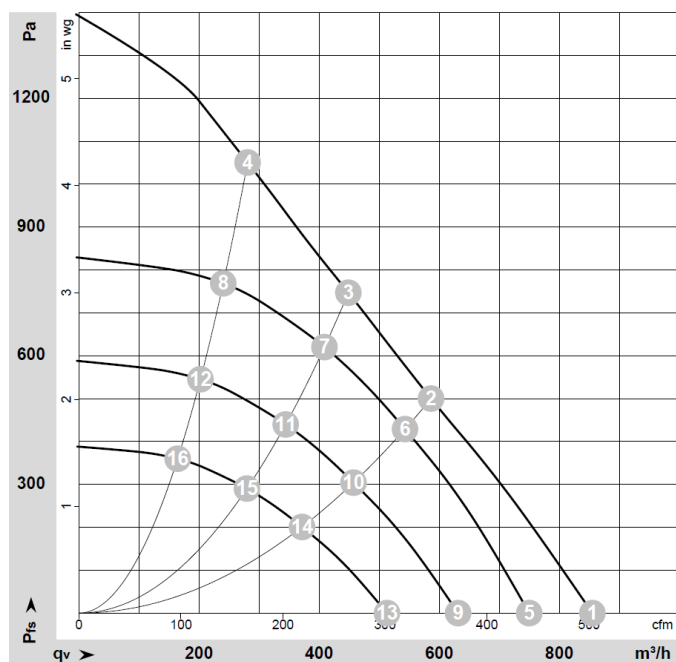
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
G3G160RF3103	M3G055-CF	230	50/60	855	4100	170	0,75	-	-	1050	-25..+60	2,08

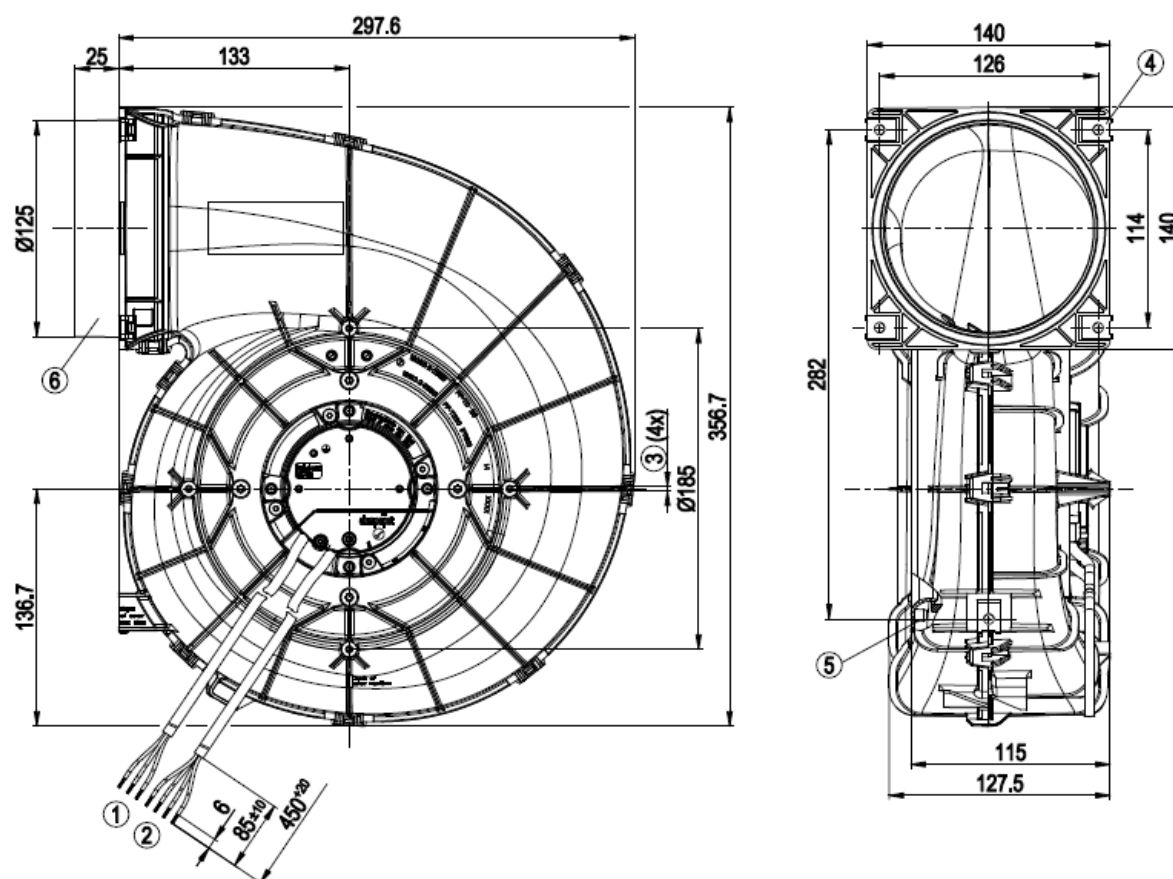
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

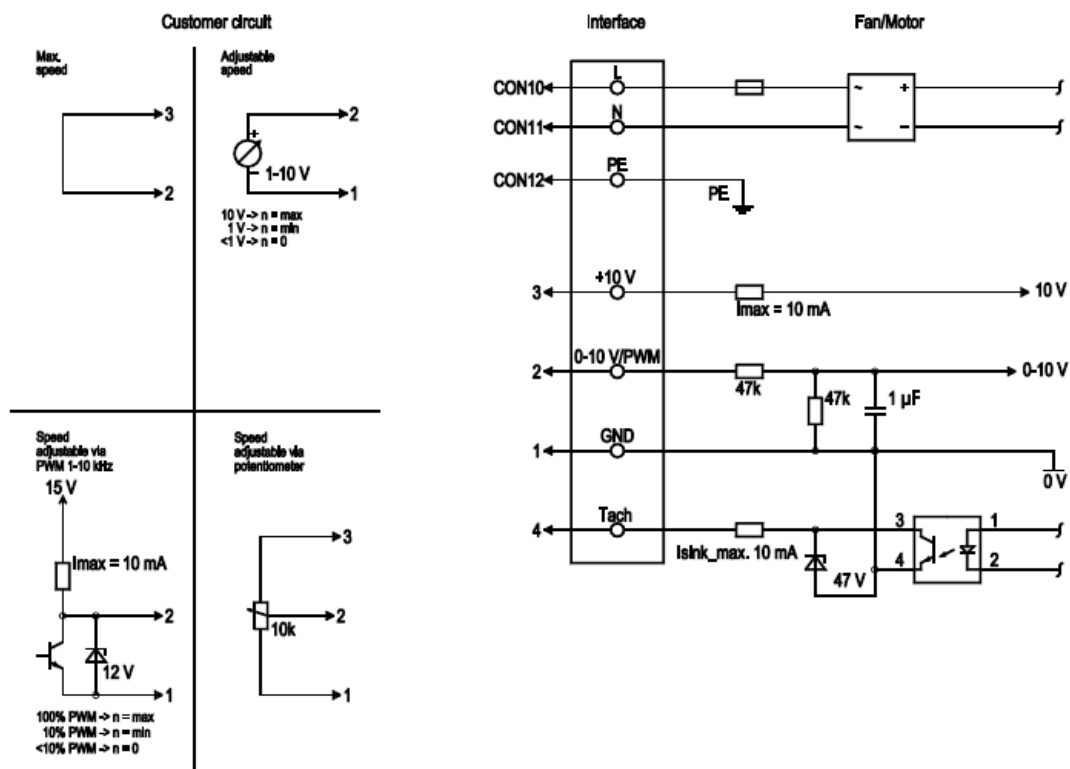


Drawing



1	Cable PVC AWG20 3x splice
2	Cable PVC AWG22 4x splice
3	Tapping hole prepared for self-tapping screw for fastening plastics (Remform) dia. 4 mm, clearance for screw max. 15 mm. The torque is to be determined on the basis of the screw.
4	5x sheet metal nut for thread EN ISO 1478-ST4.8 (max. screw length 16 mm plus thickness of mounting material)
5	Screw-on domes are only permissible for Flowgrid!
6	Connecting sleeve not suitable for installation with pipe clamps

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	black	Supply connection, power supply, phase, see nameplate for voltage range
	CON11	N	blue	Supply connection, power supply, neutral conductor, see nameplate for voltage range
	CON12	PE	green/yellow	Ground connection
	2	0- 10V PWM	yellow	0-10 V / PWM control input, R _i =100 kΩ, SELV
	4	Tach	white	Tach output, open collector, 1 pulse per revolution, I _{sink max} = 10 mA, SELV
	3	+10 V	red	Fixed voltage output 10 VDC +/- 3 %, I _{max.} 10 mA, short-circuit-proof, power supply for ext. devices (e.g. pot), SELV
	1	GND	blue	Reference ground for control interface, SELV

K3G133RA0103 - Backward curved, single intake

EC centrifugal fans - RadiCal



[Back to product overview:](#)



Material/surface

- Rotor: Thick-film passivated
- Housing: PA plastic
- Impeller: PA plastic
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Lateral, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

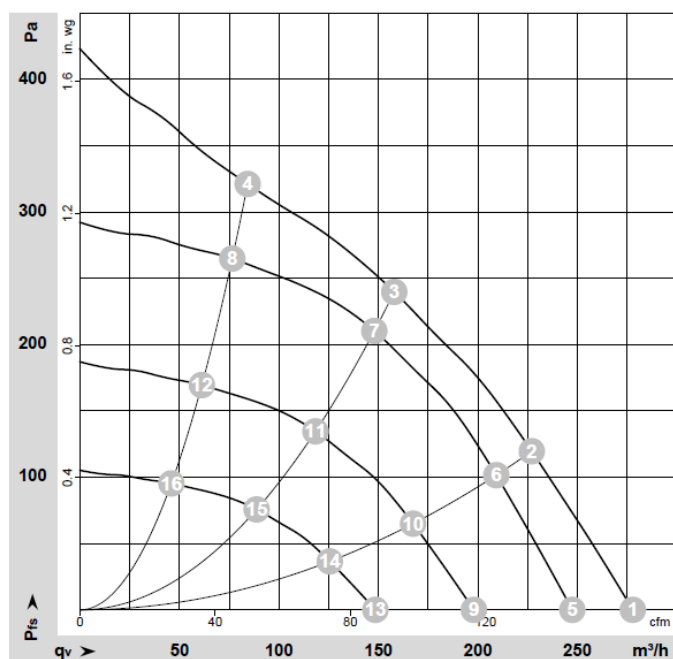
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
K3G133RA0103	M3G045-AI	230	50/60	280	3770	27	0,27	-	-	320	-25..+60	0,9

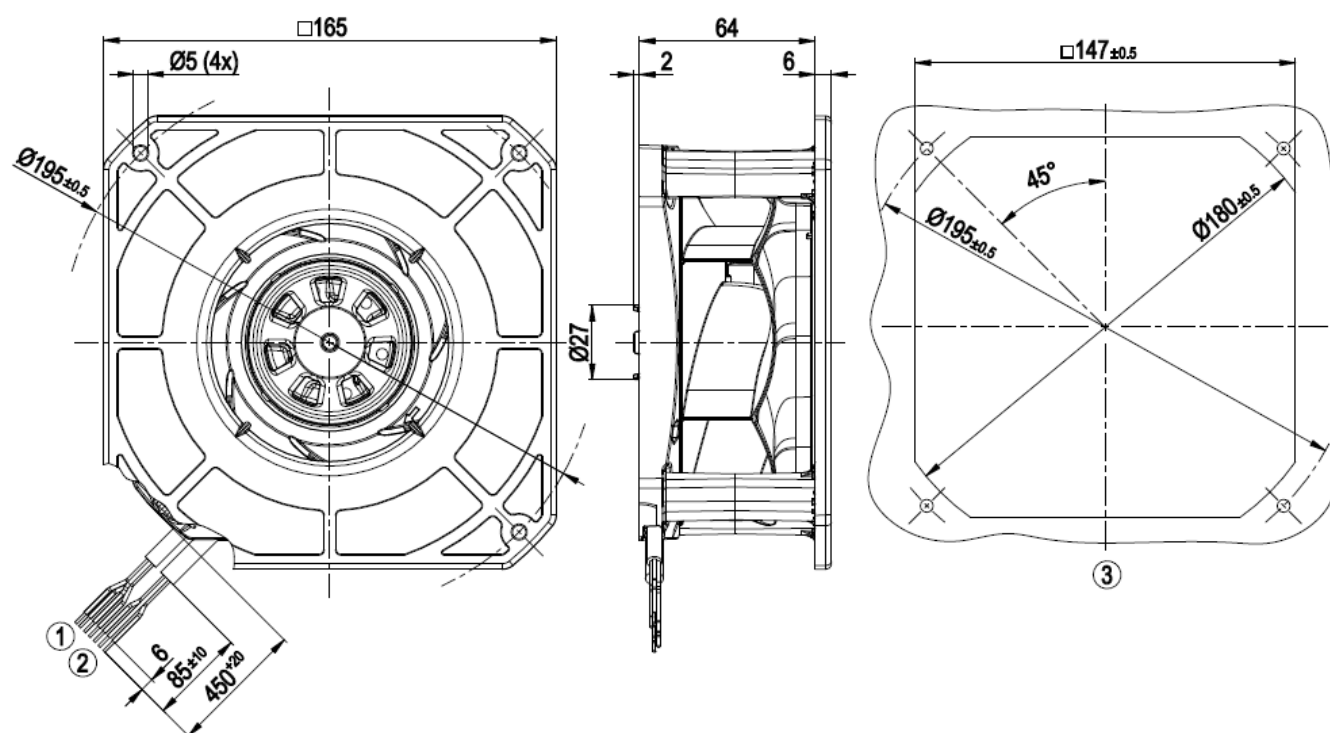
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

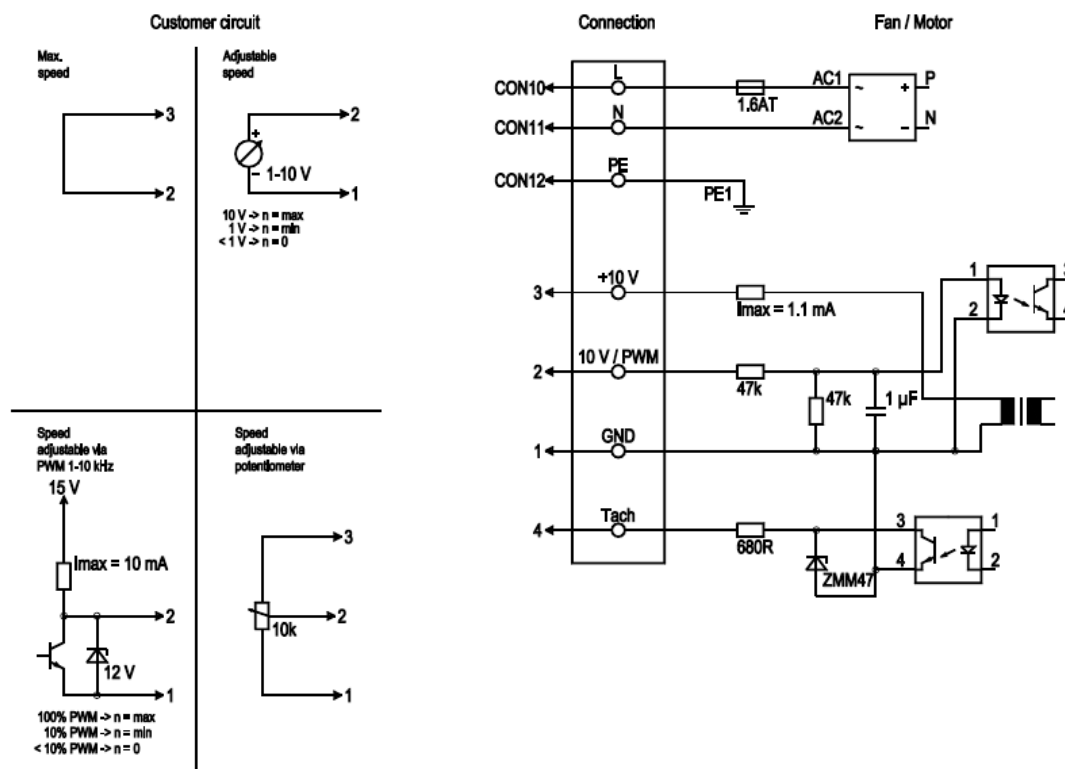


Drawing



1	Cable PVC AWG22, 4x crimped splices
2	Cable PVC AWG20, 3x crimped splices
3	Mounting dimensions

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	black	Power supply 230 VAC, 50-60 Hz, see nameplate for voltage range
	CON11	N	blue	Neutral conductor
	CON12	PE	green/yellow	Protective earth
	1	GND	blue	GND connection for control interface
	2	0- 10V PWM	yellow	Control input 0-10 V or PWM, electrically isolated
	3	10V/ max 1.1mA	red	Voltage output 10 V / 1.1 mA, electrically isolated, not short-circuit-proof.
	4	Tach	white	Tach output: open collector, 1 pulse per revolution, electrically isolated

8300100028 - Backward curved, single intake

EC centrifugal fans - RadiCal



[Back to product overview:](#)



Material/surface

- Rotor: Thick-film passivated
- Housing: PA plastic
- Impeller: PA plastic
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

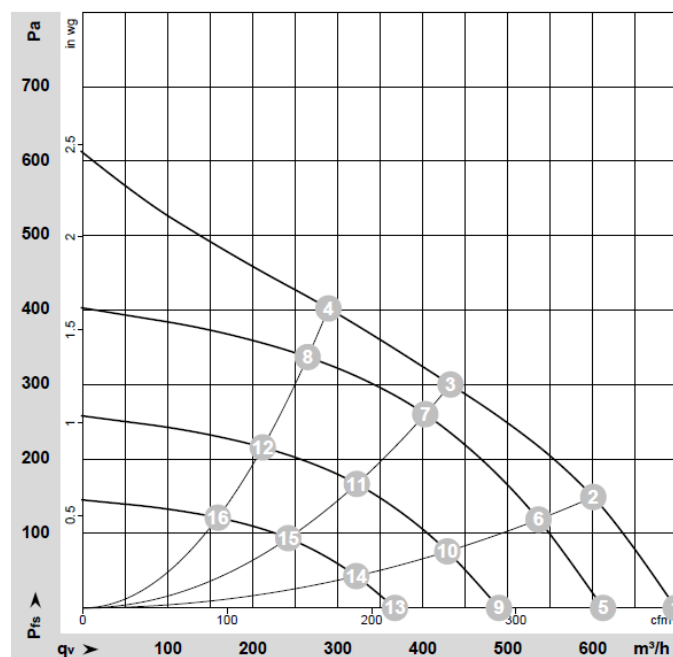
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
8300100028	E06003-23	230	50/60	695	3200	83	0,75	-	-	400	-25..+60	1,5

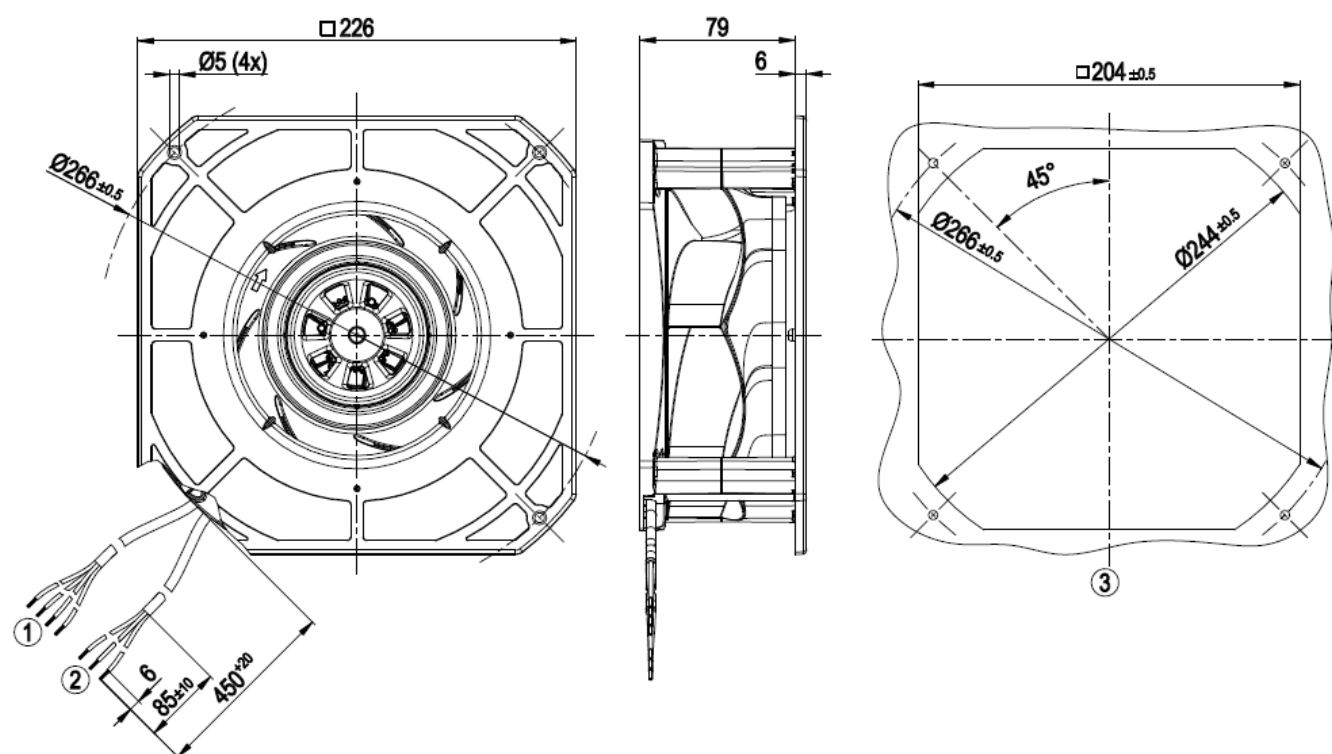
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

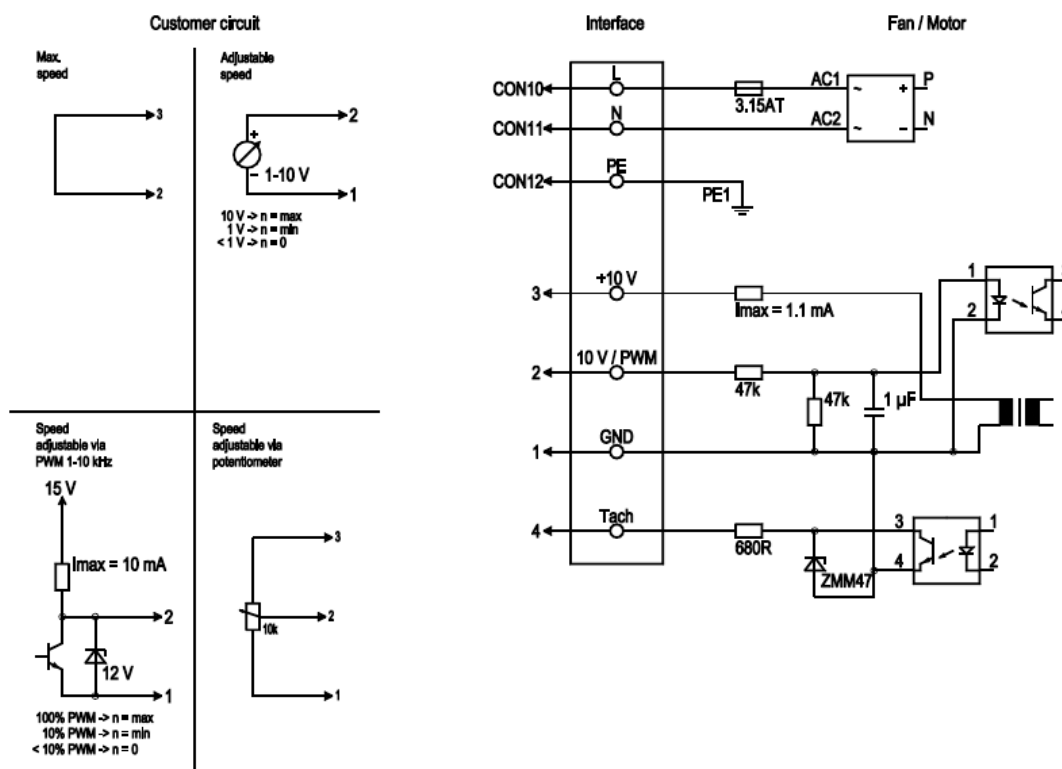


Drawing



1	Cable PVC AWG22, 4x crimped splices
2	Cable PVC AWG20, 3x crimped splices
3	Mounting dimensions

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	black	Power supply 230 VAC, 50-60 Hz, see nameplate for voltage range
	CON11	N	blue	Neutral conductor
	CON12	PE	green/yellow	Protective earth
	1	GND	blue	GND connection for control interface
	2	0-10V PWM	yellow	Control input 0-10 V or PWM, electrically isolated
	3	10 V / max. 1,1 mA	red	Voltage output 10 VDC 1.1 mA, electrically isolated, short-circuit-proof
	4	Tacho	white	Tach output: open collector, 1 pulse per revolution, electrically isolated

8300100183 - Backward curved, single intake

EC centrifugal fans - RadiCal



Back to product overview:



Material/surface

- Rotor: Thick-film passivated
- Housing: PA plastic
- Impeller: PA plastic
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable, 450 mm

Conformity with standards

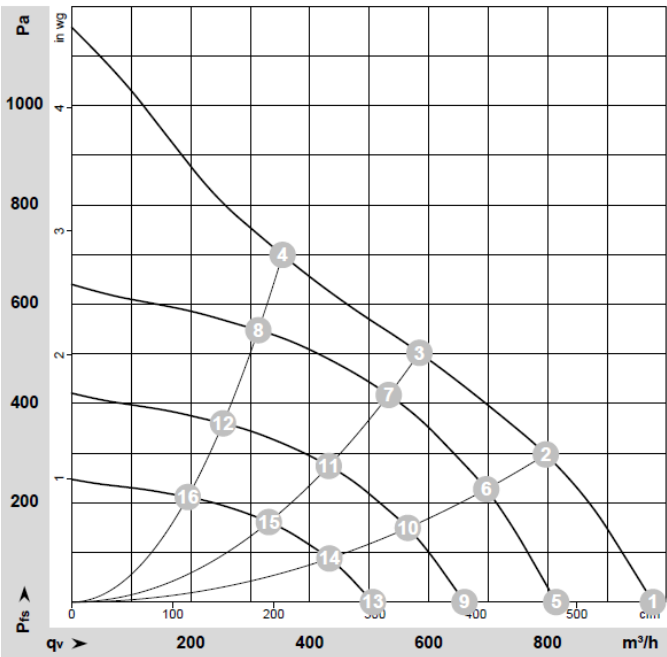
- Norm: EN 60335-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

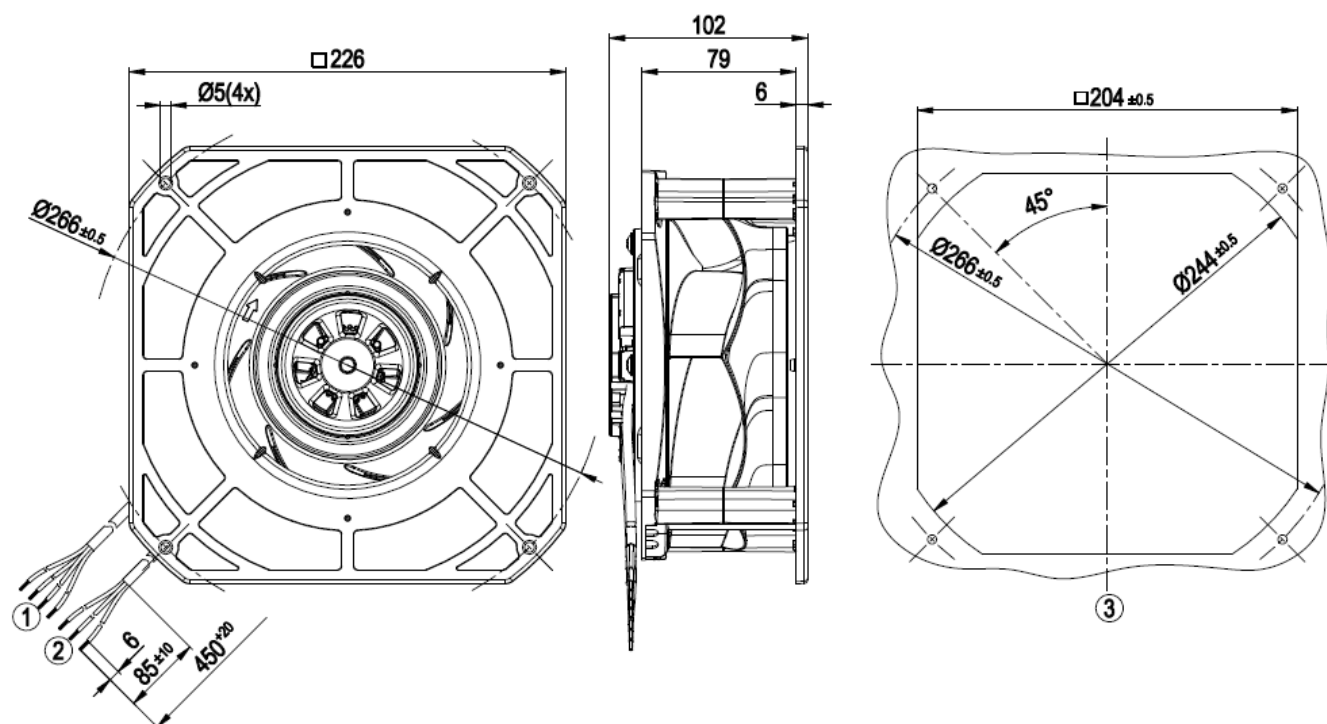
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
8300100183	E06001-10	230	50/60	975	4120	169	1,35	-	-	700	-25..+60	1,8

Subject to modification
Pricelist

Pressure over air flow at 50Hz

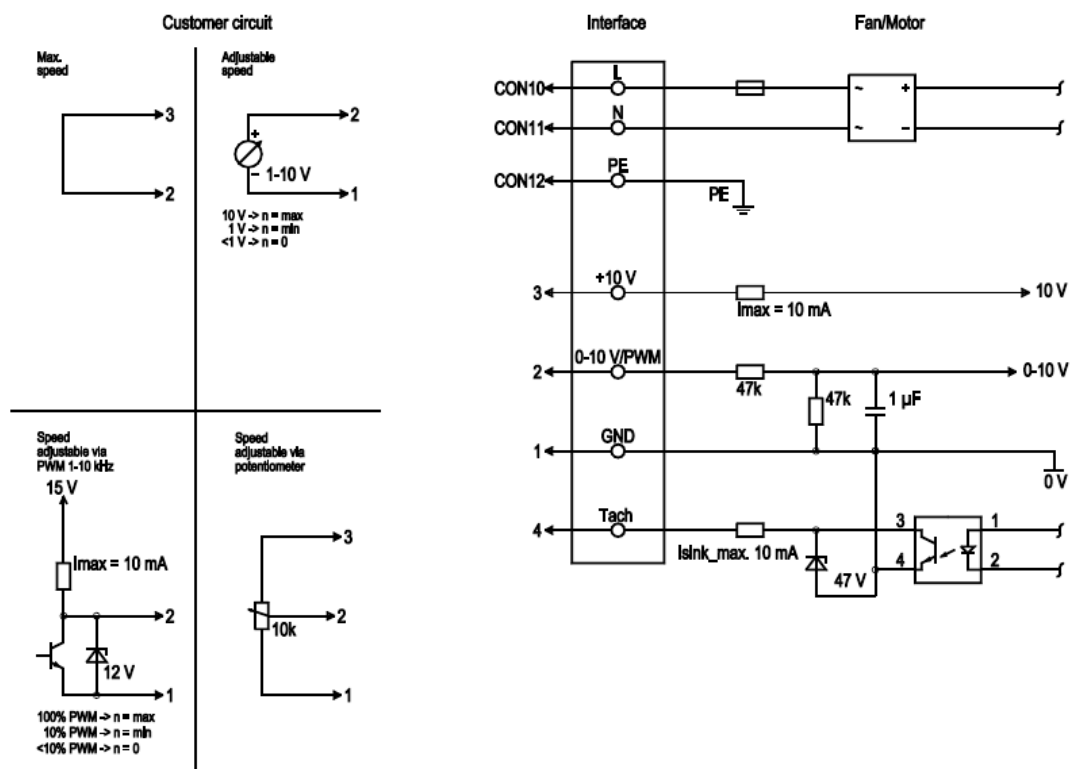


Drawing



1	Cable PVC AWG20, 3x crimped splices
2	Cable PVC AWG22, 4x crimped splices
3	Mounting dimensions

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	black	Supply connection, power supply, phase, see nameplate for voltage range
	CON11	N	blue	Supply connection, power supply, neutral conductor, see nameplate for voltage range
	CON12	PE	green/yellow	Ground connection
	2	0- 10V PWM	yellow	0-10 V / PWM control input, R _i =100 kΩ, SELV
	4	Tach	white	Tach output, open collector, 1 pulse per revolution, I _{sink} max = 10 mA, SELV
	3	+10 V	red	Fixed voltage output 10 VDC +/- 3 %, I _{max} . 10 mA, short-circuit-proof, power supply for ext. devices (e.g. pot), SELV
	1	GND	blue	Reference ground for control interface, SELV

8300100170 - Backward curved, single intake

EC centrifugal fans - RadiCal



[Back to product overview:](#)



Material/surface

- Rotor: Thick-film passivated
- Housing: PA plastic
- Impeller: PA plastic
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

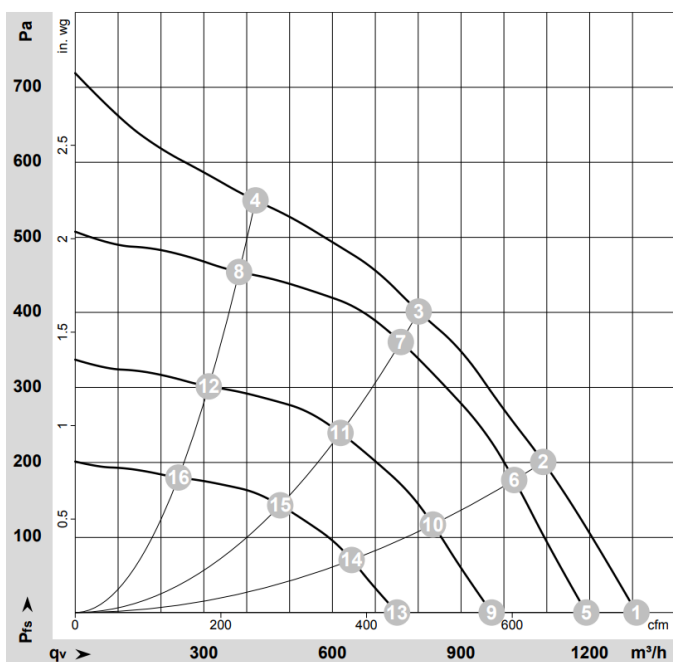
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
8300100170	E06003-30	230	50/60	1310	2860	170	1,4	-	-	550	-25..+60	2,5

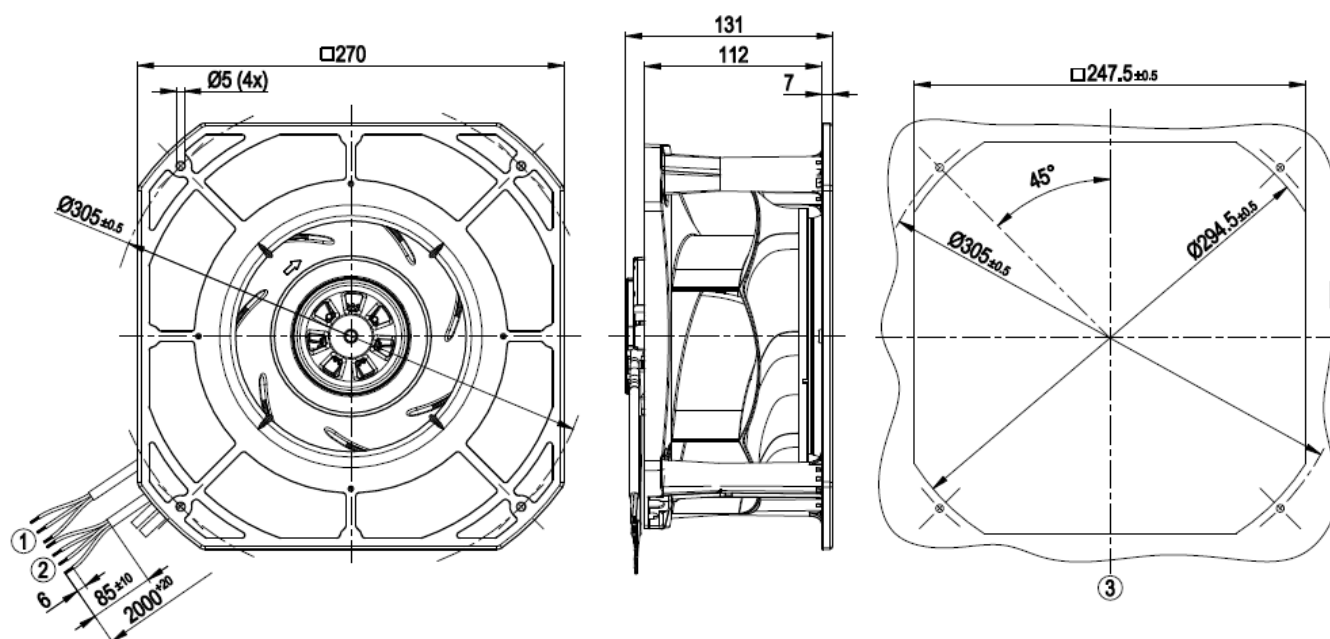
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

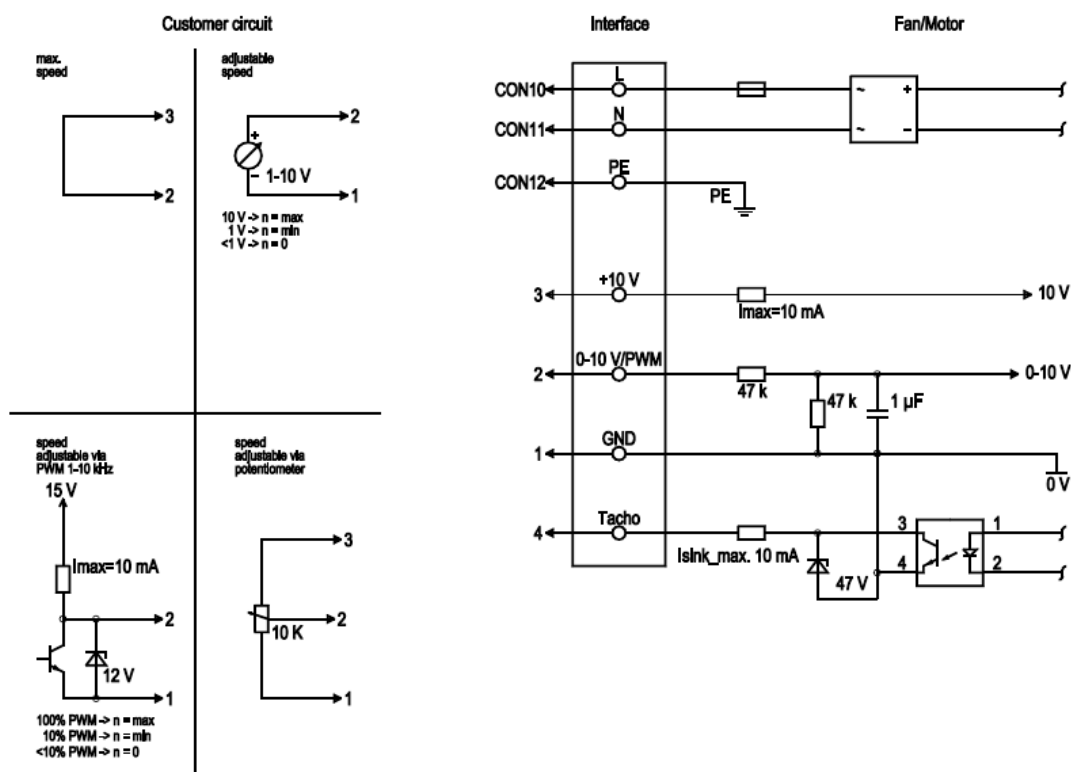


Drawing



1	Connection line PVC AWG20, 3x lead tips crimped
2	Connection line PVC AWG22, 4x lead tips crimped
3	Mounting dimensions

Connection illustration



No.	Conn.	Designation	Colour	Function / assignment
	CON10	L	black	Mains connection, power supply, phase, see type plate for voltage range
	CON11	N	blue	Mains connection, power supply, neutral conductor, see type plate for voltage range
	CON12	PE	green/yellow	Earth connection
	2	0- 10V PWM	yellow	0-10 V/PWM control input, $R_i=100\text{ k}\Omega$, SELV
	4	Tach	white	Speed monitoring output, open collector, 1 pulse per revolution, $I_{\text{sink max}} = 10\text{ mA}$, SELV
	3	+10 V	red	Fixed voltage output 10 VDC $\pm 3\%$, $I_{\text{max}} = 10\text{ mA}$, short-circuit-proof, power supply for ext. devices (e.g. potentiometer), SELV
	1	GND	blue	Signal ground for control interface, SELV

8300100177 - Backward curved, single intake

EC centrifugal fans - RadiCal



[Back to product overview:](#)



Material/surface

- Rotor: Thick-film passivated
- Housing: PA plastic
- Impeller: PA plastic
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Electronic motor protection
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 60335-1; CE

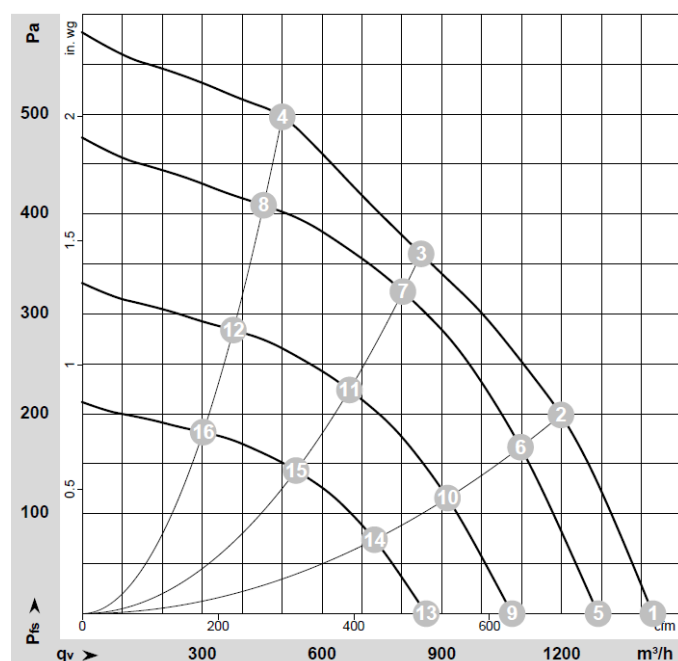
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
8300100177	E06003-30	230	50/60	1430	2510	170	1,4	-	-	500	-25..+60	2,7

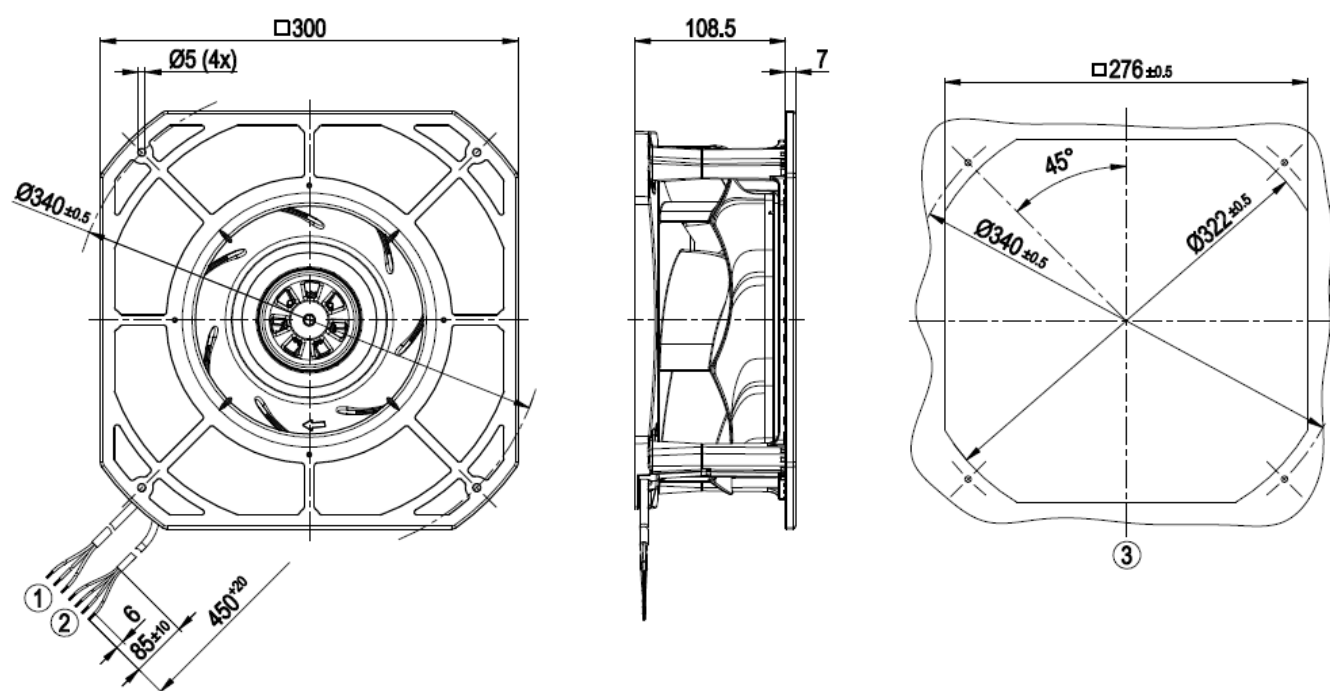
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

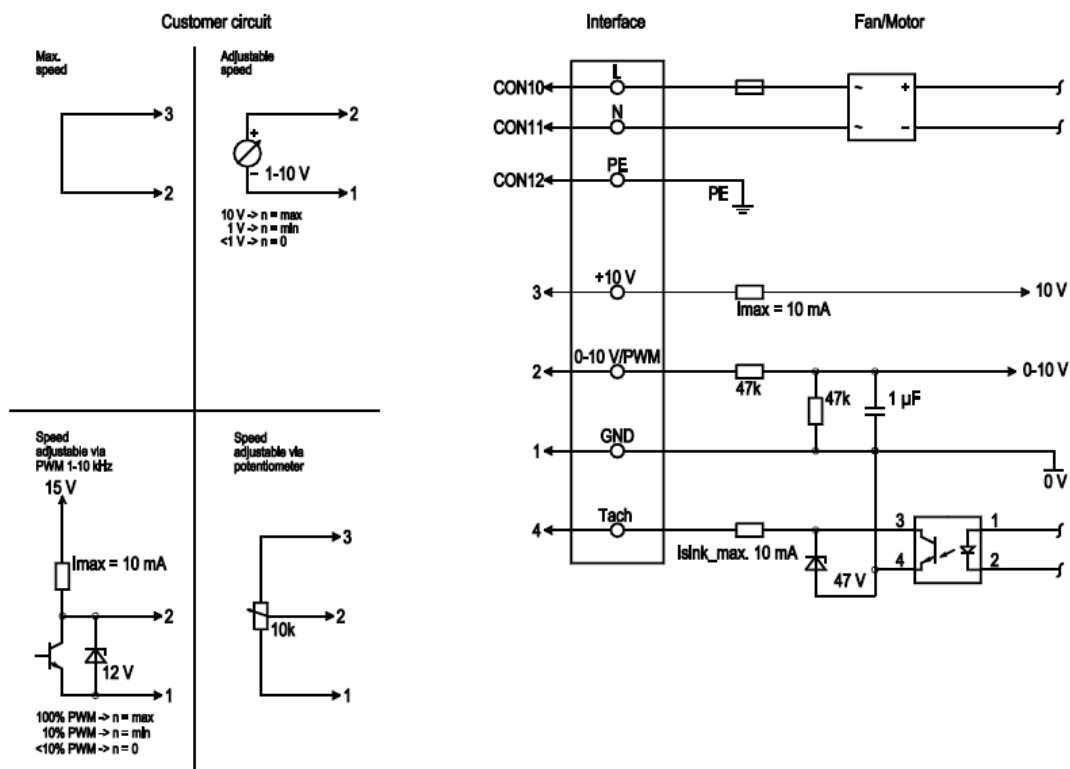


Drawing



1	Cable PVC AWG22, 4x crimped splices
2	Cable PVC AWG20, 3x crimped splices
3	Mounting dimensions

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
	CON10	L	black	Supply connection, power supply, phase, see nameplate for voltage range
	CON11	N	blue	Supply connection, power supply, neutral conductor, see nameplate for voltage range
	CON12	PE	green/yellow	Ground connection
	2	0- 10V PWM	yellow	0-10 V / PWM control input, $R_i=100 \text{ k}\Omega$, SELV
	4	Tach	white	Tach output, open collector, 1 pulse per revolution, $I_{sink \text{ max}} = 10 \text{ mA}$, SELV
	3	+10 V	red	Fixed voltage output 10 VDC $\pm 3 \%$, $I_{max} = 10 \text{ mA}$, short-circuit-proof, power supply for ext. devices (e.g. pot), SELV
	1	GND	blue	Reference ground for control interface, SELV

K3G250AV29B2 - Backward curved, single intake

EC centrifugal fans - RadiPac

[Back to product overview:](#)



Material/surface

- Electronics housing: Die-cast aluminium
- Impeller: Sheet aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP54
- Isolation: B
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Electrical hookup: Via terminal box
- Cable: Variable, 450 mm

Conformity with standards

- Norm: EN 61800-5-1; CE

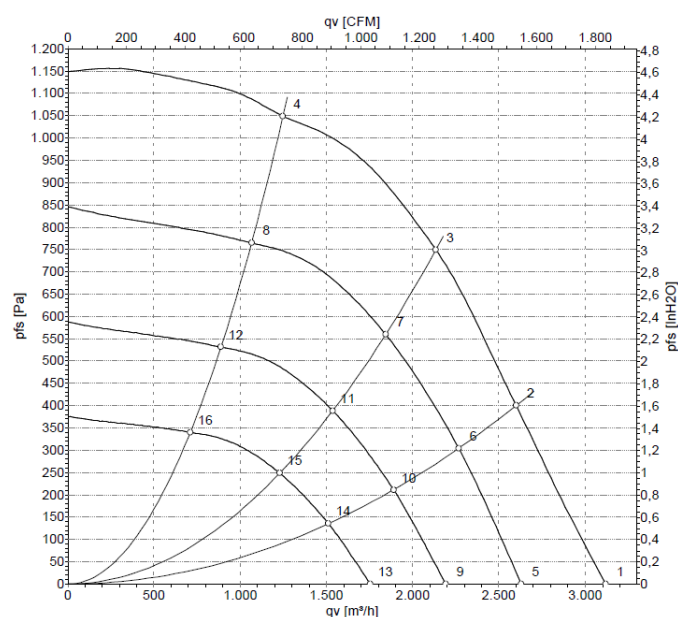
Go to	Pricelist
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Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
K3G250AV29B2	M3G084-FA	230	50/60	3120	3450	750	3,3	-	-	1050	-25...+40	10,1

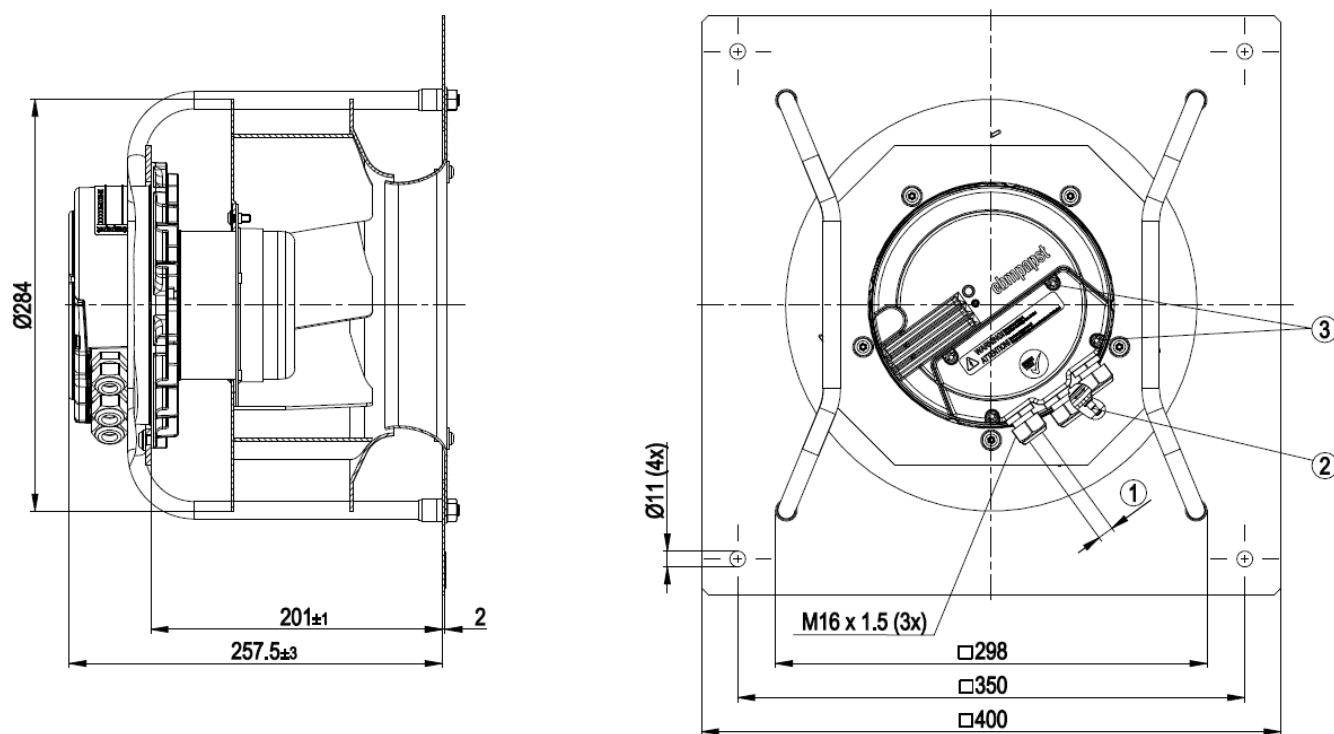
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

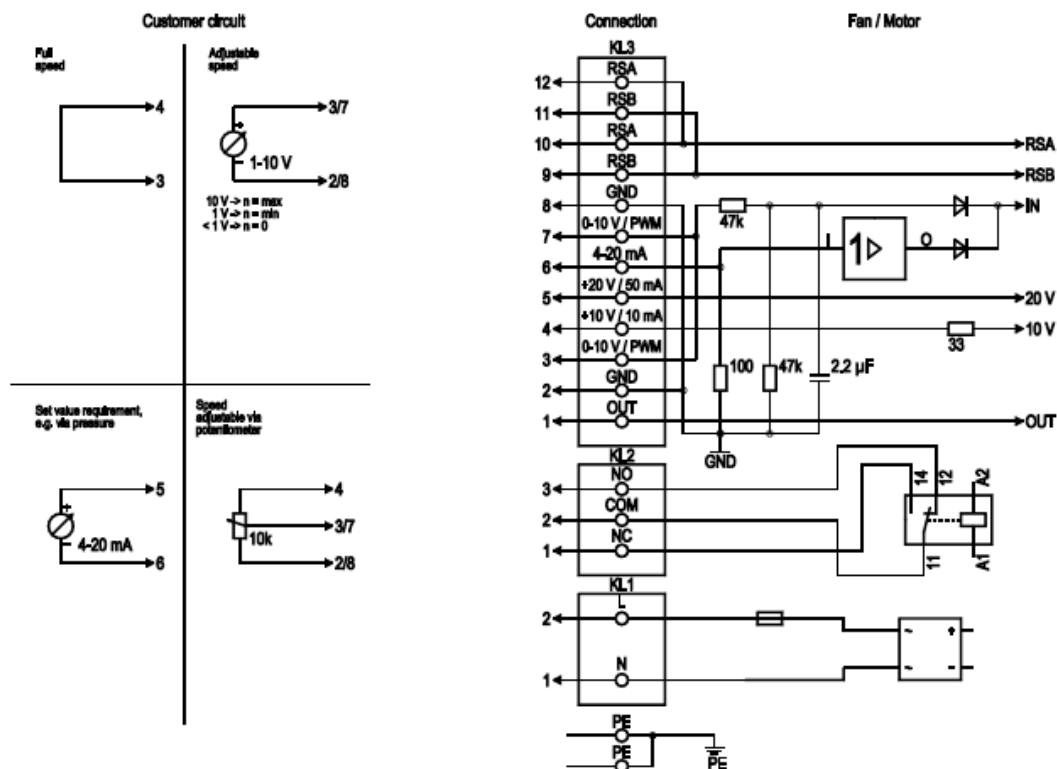


Drawing



1	Cable diameter min. 4 mm, max. 10 mm; tightening torque 2.5±0.4 Nm
2	Inlet ring with pressure tap (k-factor: 70)
3	Tightening torque 3.5 ± 0.5 Nm

Connection illustration



No.	Conn.	Designation	Function/assignment
PE	-	PE	Protective earth terminal
KL1	1, 2	N, L	Power supply 50/60 Hz
KL2	1	NC	Floating status contact, break for failure
KL2	2	COM	Floating status contact, changeover contact, common connection (2 A, max. 250 VAC, min. 10 mA, AC1)
KL2	3	NO	Floating status contact, make for failure
KL3	1	OUT	Analog output, 0-10 VDC, max. 3 mA, SELV output of current motor modulation level: 1 V corresponds to 10% modulation level. 10 V corresponds to 100% modulation level.
KL3	2, 8	GND	Reference ground for control interface, SELV
KL3	3, 7	0-10 V	Control/current sensor value input 0-10 VDC, impedance 100 kΩ, use only as alternative to 4-20 mA input, SELV
KL3	4	+10 V	Voltage output 10 VDC (+/- 3%), max. 10 mA, power supply for ext. devices (e.g. potentiometer), SELV
KL3	5	+20 V	Voltage output 20 VDC (+25%/-10%), max. 50 mA power supply for ext. devices (e.g. sensors), SELV
KL3	6	4-20 mA	Control/current sensor value input 4-20 mA, impedance 100 Ω, use only as alternative to 0-10 V input, SELV
KL3	9, 11	RSB	RS485 interface for MODBUS, RSB
KL3	10, 12	RSA	RS485 interface for MODBUS, RSA

K3G310PT08J2 - Backward curved, single intake

EC centrifugal fans - RadiPac



Back to product overview:



Material/surface

- Electronics housing: Die-cast aluminium
- Impeller: Sheet aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP55
- Isolation: F
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Electrical hookup: Via terminal box

Conformity with standards

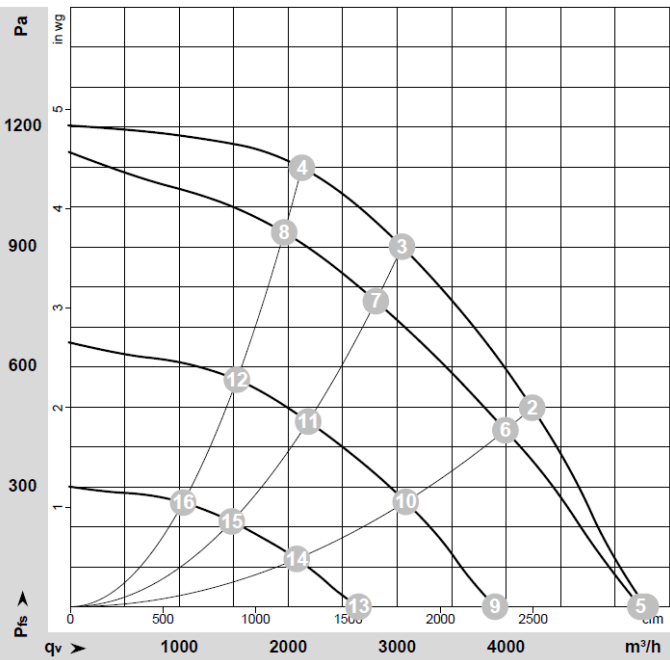
- Norm: EN 61800-5-1; CE

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

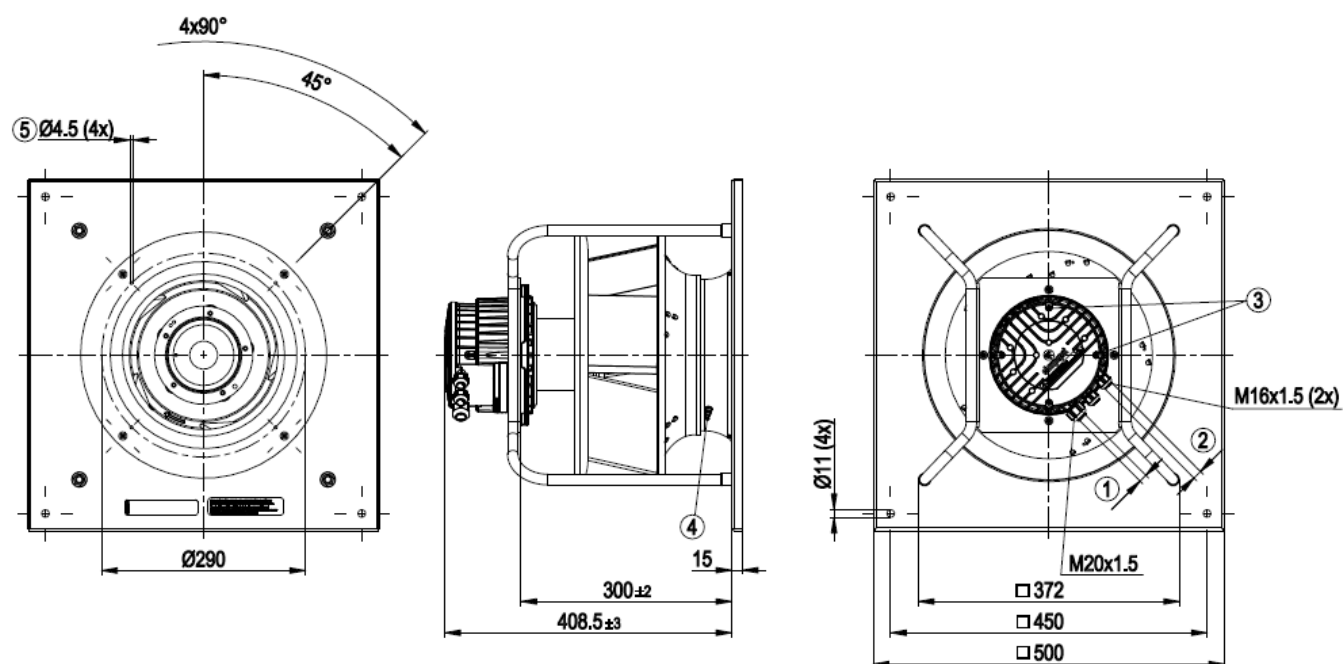
Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
K3G310PT08J2	M3G084-GF	400	50/60	5280	3010	1230	1,9	-	-	1100	-25..+40	15,5

Subject to modification
Pricelist

Pressure over air flow at 50Hz

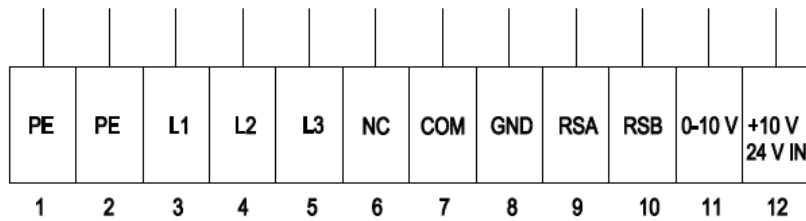


Drawing



1	Cable diameter min. 8 mm, max. 12 mm, tightening torque 2.5 ± 0.4 Nm
2	Cable diameter min. 6 mm, max. 10 mm, tightening torque 2.5 ± 0.4 Nm Cable diameter min. 4 mm, max. 7 mm, tightening torque 2.5 ± 0.4 Nm (included seal must be used)
3	Tightening torque 1.5 ± 0.2 Nm
4	Inlet ring with pressure tap (k-factor: 116)
5	Mounting holes for FlowGrid

Connection illustration



No.	Conn.	Designation	Function/assignment
1	PE	PE	Protective earth
2	PE	PE	Protective earth
3	L1	L1	Power supply
4	L2	L2	Power supply
5	L3	L3	Power supply
6	NC	NC	Status relay, floating status contact, break for failure, contact rating 250 VAC / 2 A (AC1) / min. 10 mA; reinforced insulation on supply side and basic insulation on control interface side
7	COM	COM	Status relay, floating status contact, break for failure, contact rating 250 VAC / 2 A (AC1) / min. 10 mA; reinforced insulation on supply side and basic insulation on control interface side
8	GND	GND	Reference ground for control interface, SELV
9	RSA	RSA	RS485 interface for MODBUS, RSA; SELV
10	RSB	RSB	RS485 interface for MODBUS, RSB; SELV
11	0-10 V	0-10 V	Analog input (set value) SELV, 0-10 V, Ri = 100 kΩ, adjustable curve
12	+10 V	+10 V	Fixed voltage output 10 VDC, SELV, +10 V ±3%, max. 10 mA, short-circuit-proof, power supply for external devices (e.g. pot); fixed voltage input 24 VDC for setting parameters via MODBUS without line voltage supply

K3G400RS03H2 - Backward curved, single intake

EC centrifugal fans - RadiCal



[Back to product overview:](#)



Material/surface

- Electronics housing: Die-cast aluminium
- Impeller: PA plastic
- Number of blades: 6

Technical description

- Direction of rotation: Right CW, seen on rotor
- Protection: IP55
- Isolation: F
- Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
- Mode of operation: Continuous (S1)
- Bearings: Ball bearings
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable

Conformity with standards

- Norm: EN 61800-5-1; EN 60335-1; CE

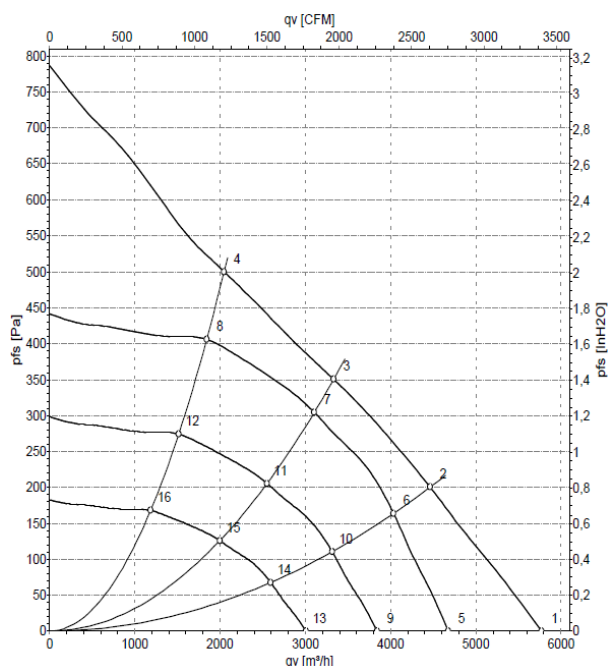
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
K3G400RS03H2	M3G084-FA	230	50/60	5770	1500	500	2,2	-	-	500	-25...+50	13,1

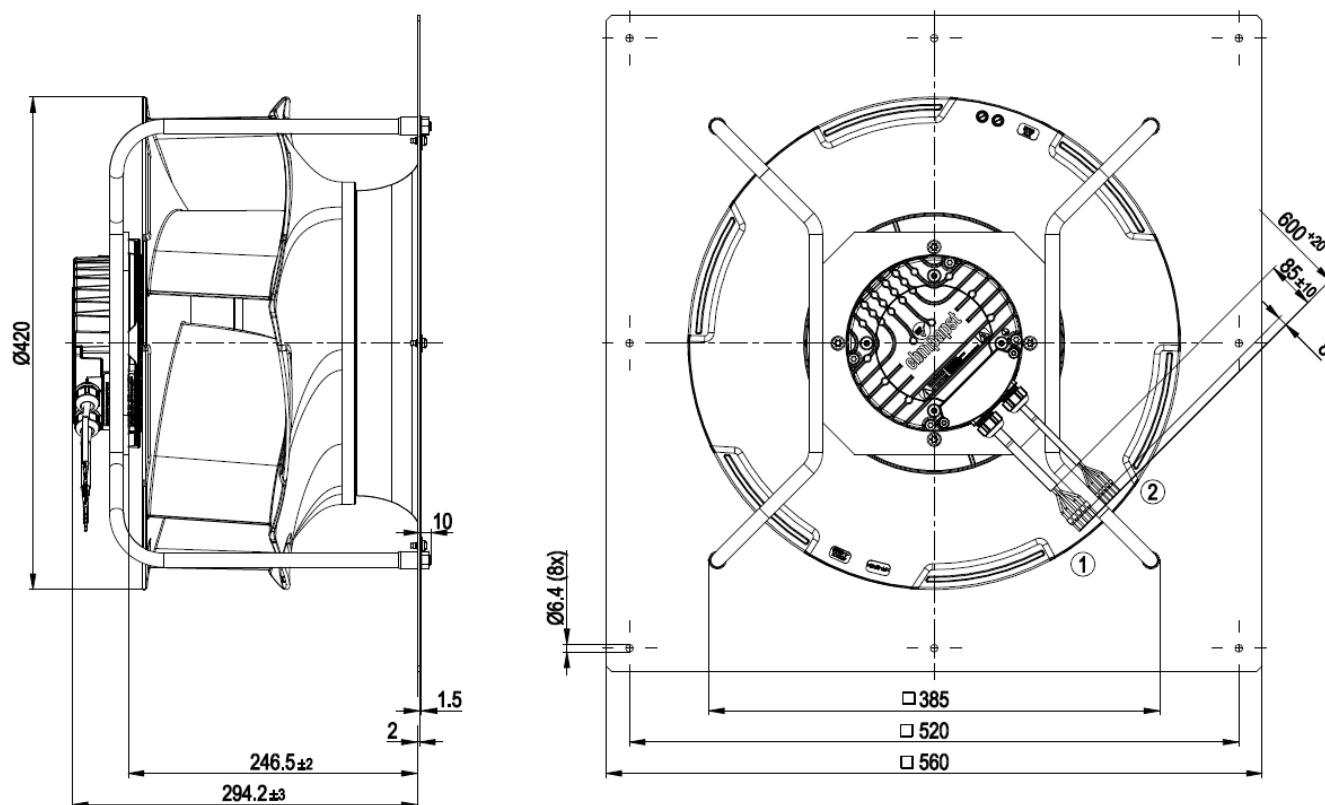
Subject to modification

[Pricelist](#)

Pressure over air flow at 50Hz

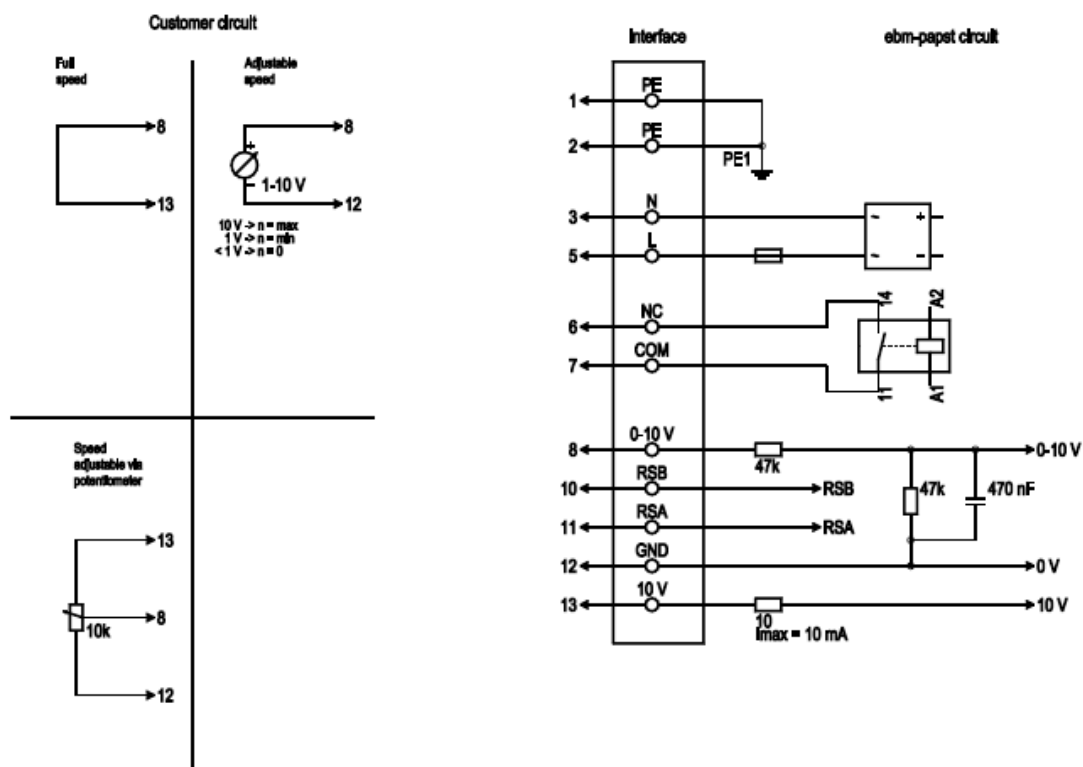


Drawing



- | | |
|---|--------------------------------------|
| 1 | Cable PVC AWG18, 5x crimped ferrules |
| 2 | Cable PVC AWG22, 5x crimped ferrules |

Connection illustration



No.	Conn.	Designation	Color	Function/assignment
1	1, 2	PE	green/yellow	Protective earth
1	3	N	blue	Power supply, neutral conductor, 50/60 Hz
1	5	L	black	Power supply, phase, 50/60 Hz
1	6	NC	white 1	Status relay, floating status contact; break for failure, contact rating 250 VAC / 2A (AC1) / min. 10 mA, basic insulation on supply side and reinforced insulation on control interface side
1	7	COM	white 2	Status relay, floating status contact; common connection, contact rating 250 VAC / 2A (AC1) / min. 10 mA, basic insulation on supply side and reinforced insulation on control interface side
2	8	0-10V	yellow	Analog input (set value); 0-10 V; Ri = 100 kΩ; adjustable curve
2	10	RSB	brown	RS485 interface for MODBUS, RSB
2	11	RSA	white	RS485 interface for MODBUS, RSA
2	12	GND	blue	Reference ground for control interface, SELV
2	13	+10V	red	Fixed voltage output 10 VDC, +10 V ±3%; max. 10 mA; short-circuit-proof; power supply for external devices (e.g. pot)



AC compact fans

ebmpapst

engineering a better life

8880 N - Size(mm): 80x80x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 °C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	°C	kg
9244014343	230	50	30	1750	9,0	sleeve	18	60000	25000	-10..+80	0,49

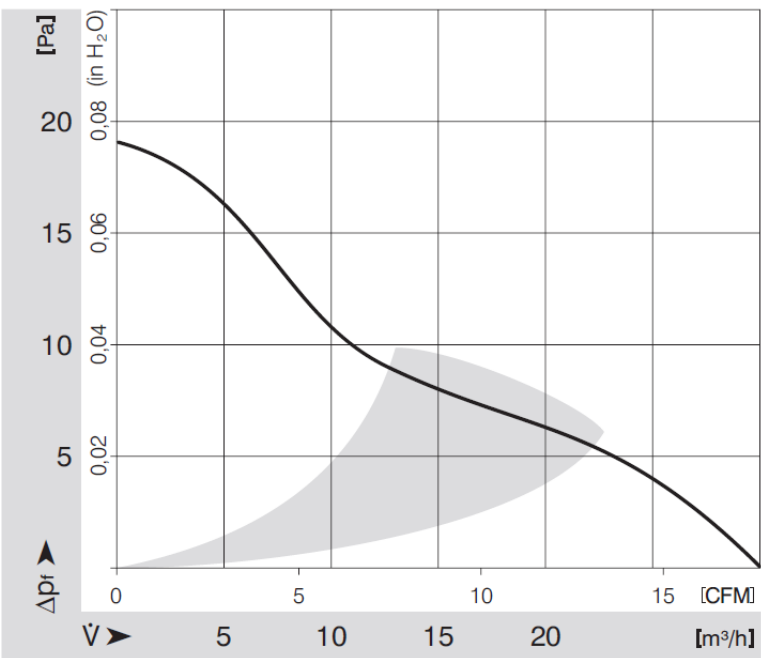
note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

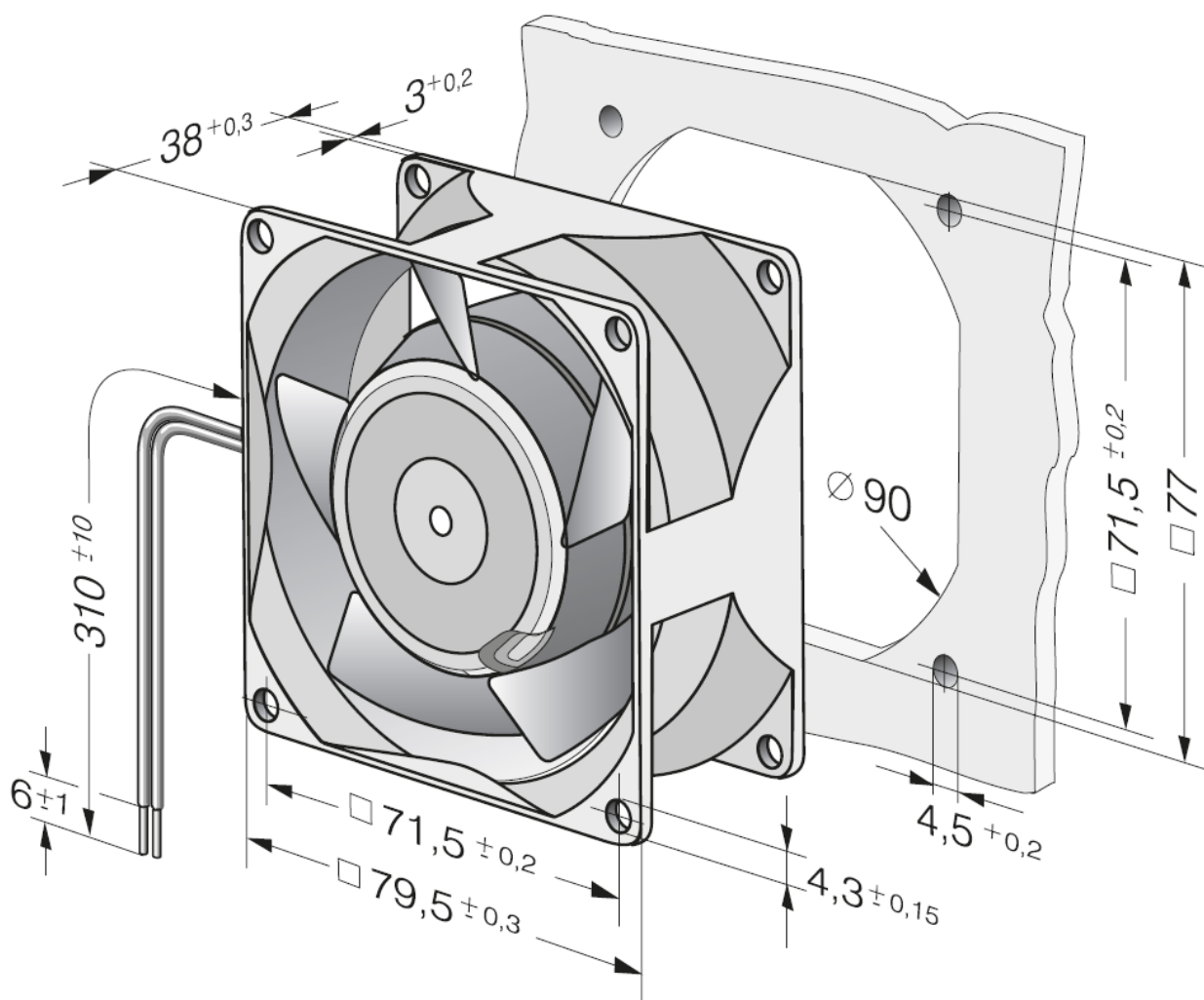
Guard grille

[9920032004](#)

Curves: Air performance



Drawing



8550 N - Size(mm): 80x80x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014208	230	50	50	2700	12	sleeve	30	52500	25000	-10..+70	0,49

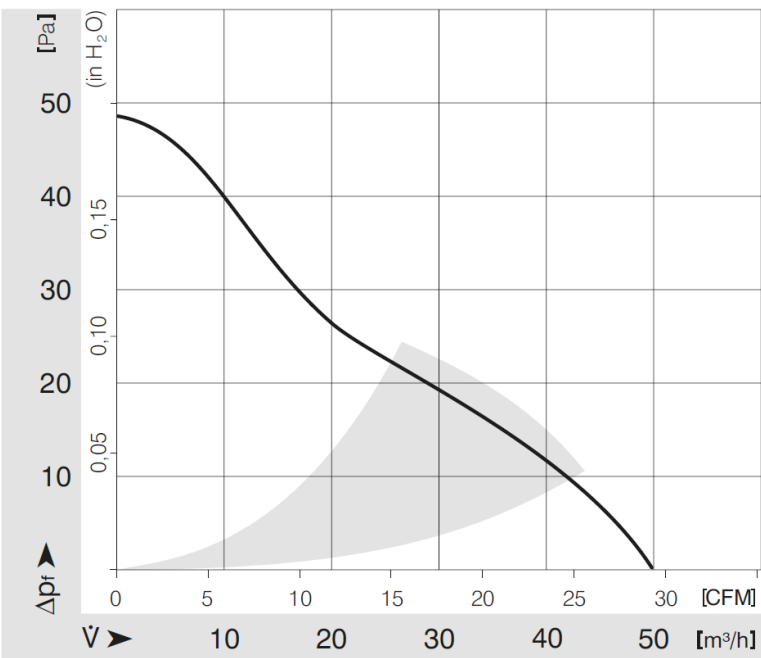
note: fans used at 60Hz have slightly more air performance

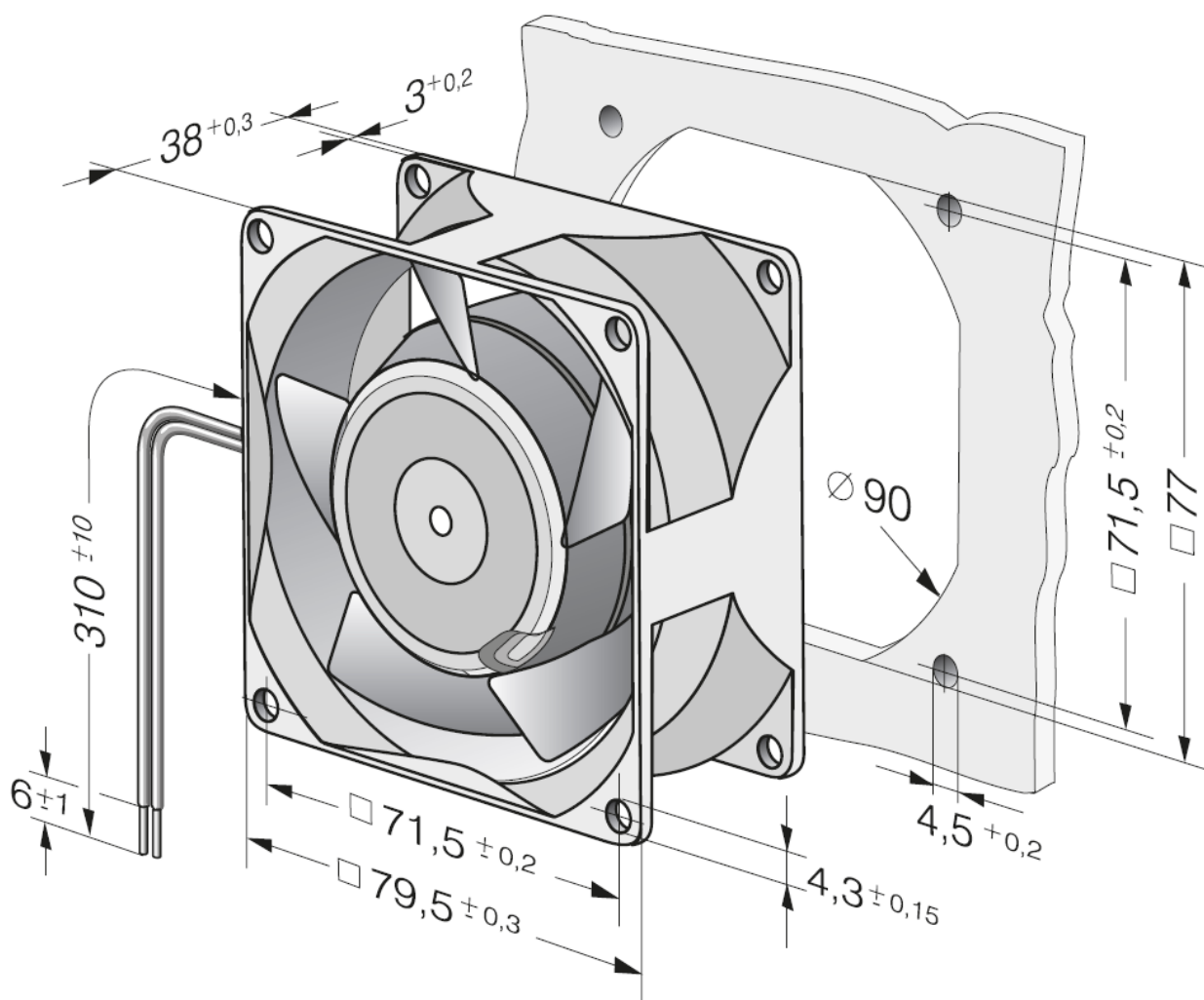
[Pricelist](#)

Guard grille

[9920032004](#)

Curves: Air performance





8556 N - Size(mm): 80x80x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014210	230	50	50	2800	12	sleeve	31	52500	15000	-40..+90	0,49

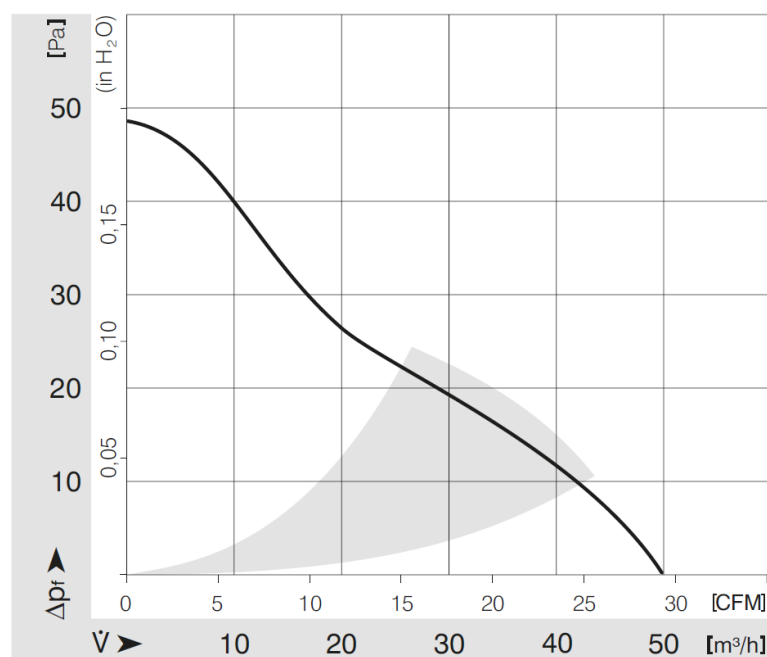
note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

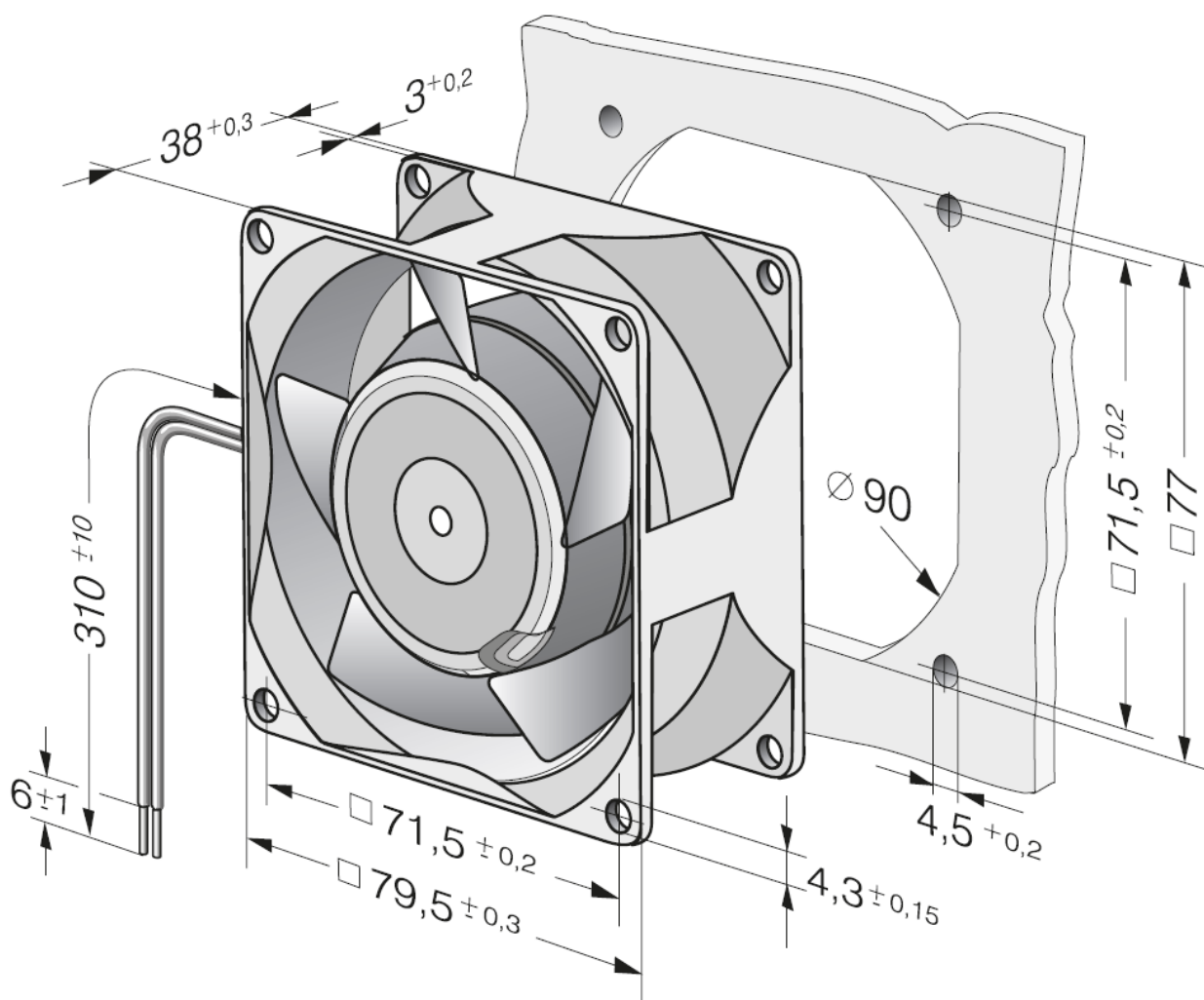
Guard grille

[9920032004](#)

Curves: Air performance



Drawing



8556 N-696 - Size(mm): 80x80x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Metal
- Housing: Metal
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014696	230	50	50	2800	12	ball	31	52500	15000	-40..+90	0,38

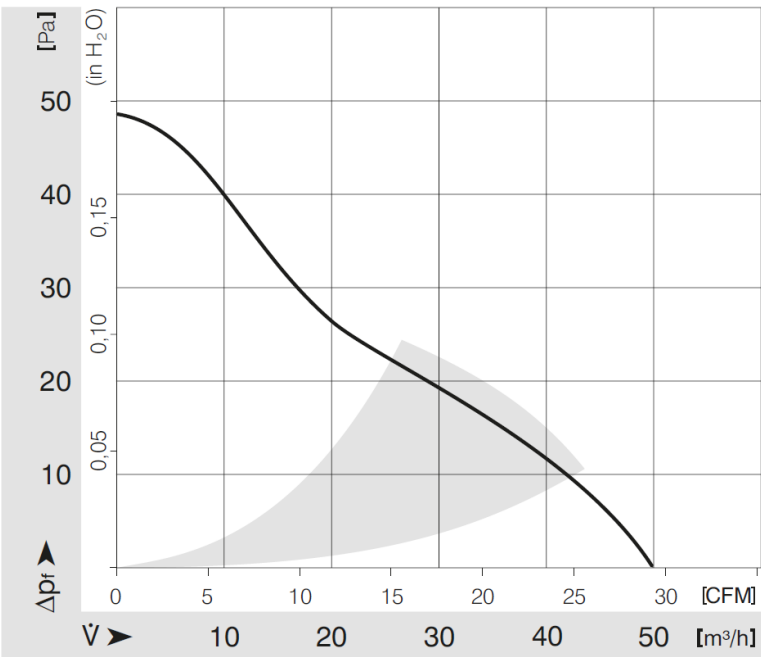
note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

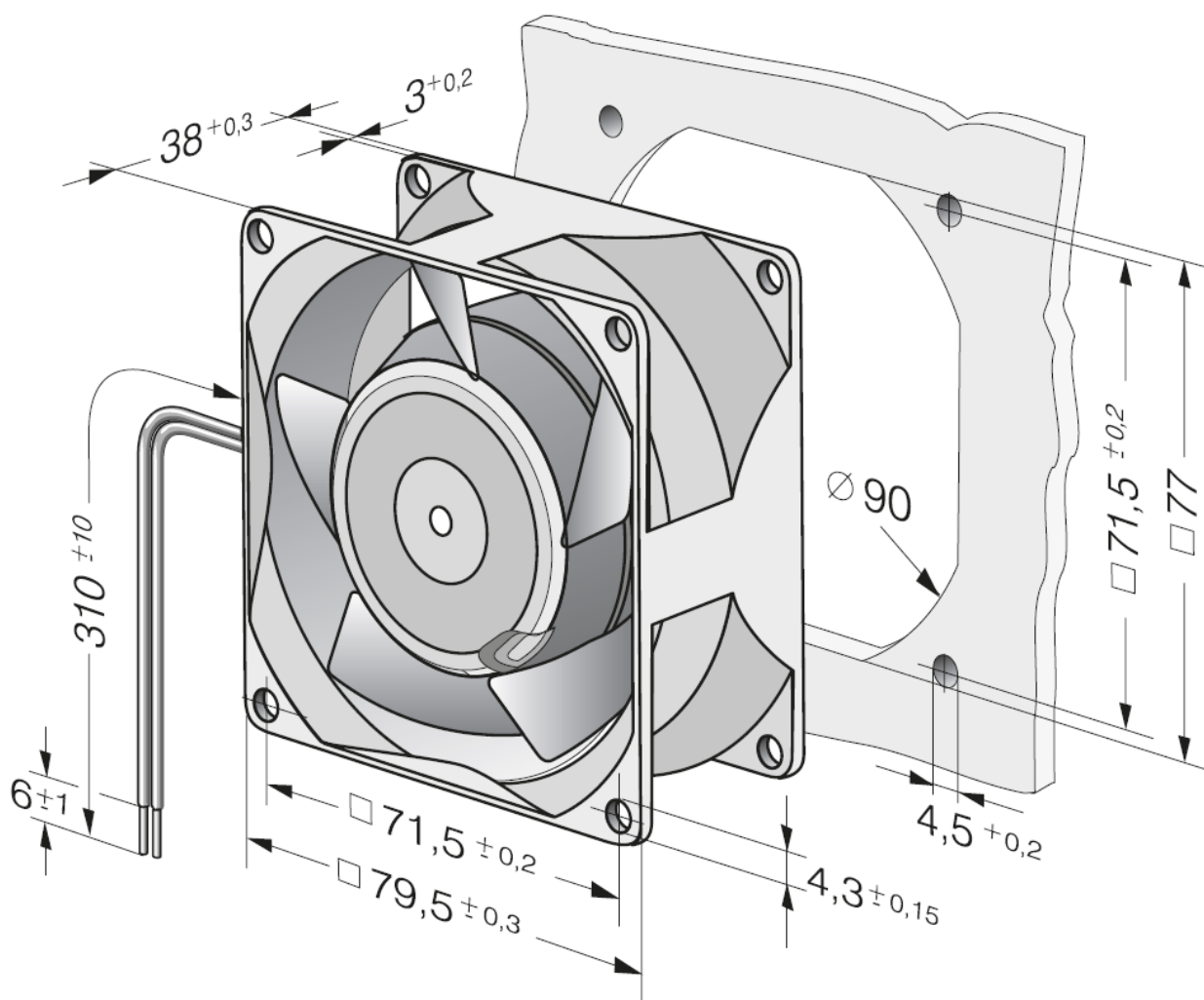
Guard grille

[9920032004](#)

Curves: Air performance



Drawing



8526 VWR-686 - Size(mm): 80x80x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Metal
- Housing: Metal
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014686	24	50	47	2800	12	ball	31	52500	15000	-40..+90	0,49

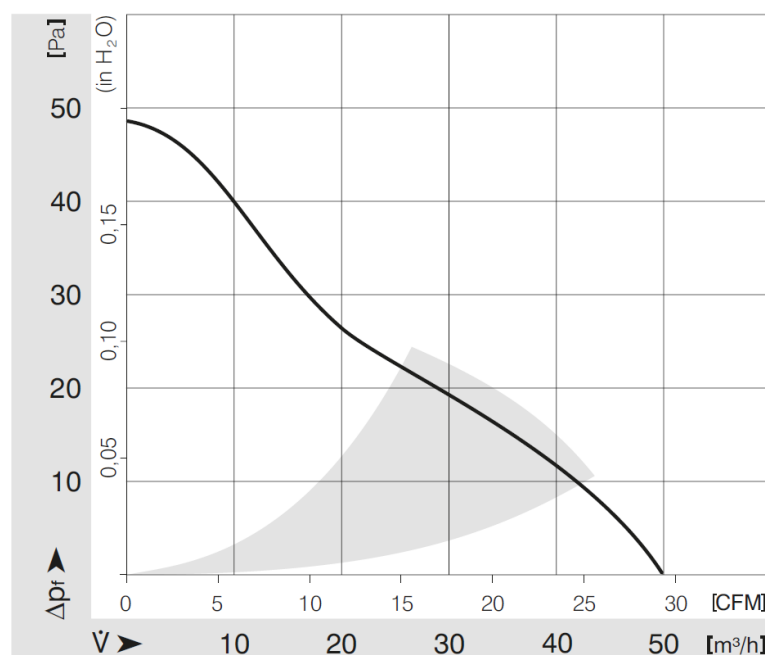
note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

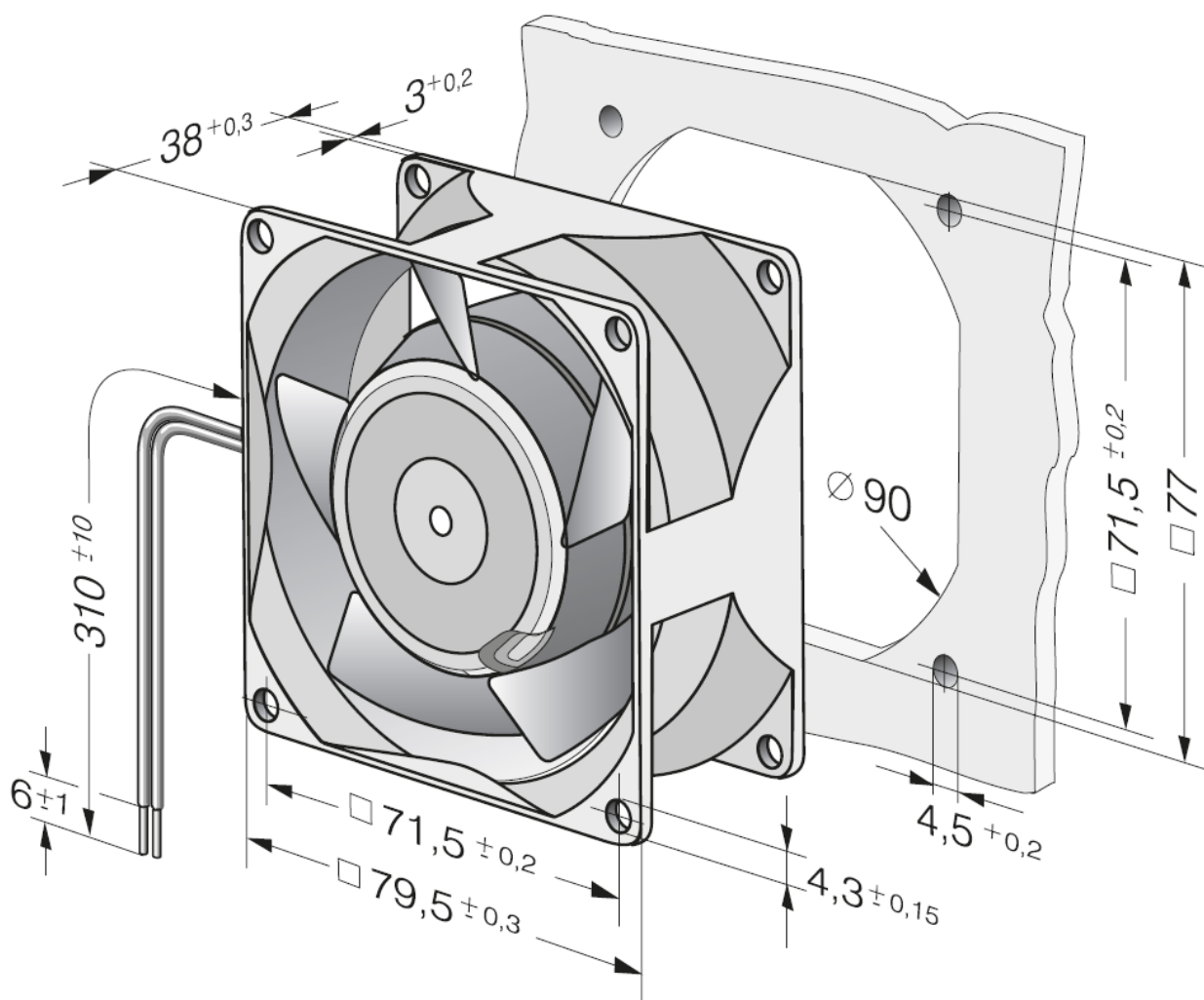
Guard grille

[9920032004](#)

Curves: Air performance



Drawing



3656 - Size(mm): 92x92x38

AC compact fans



Back to product overview:



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

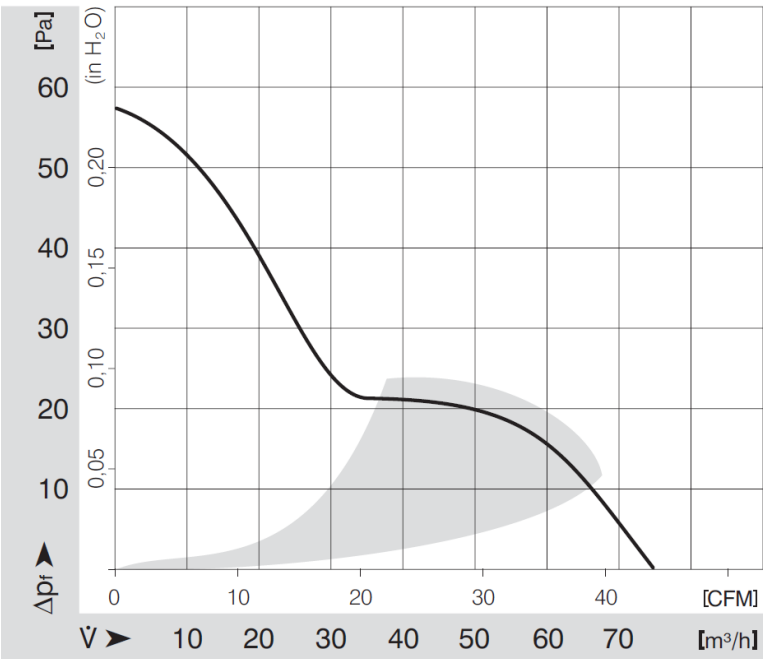
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

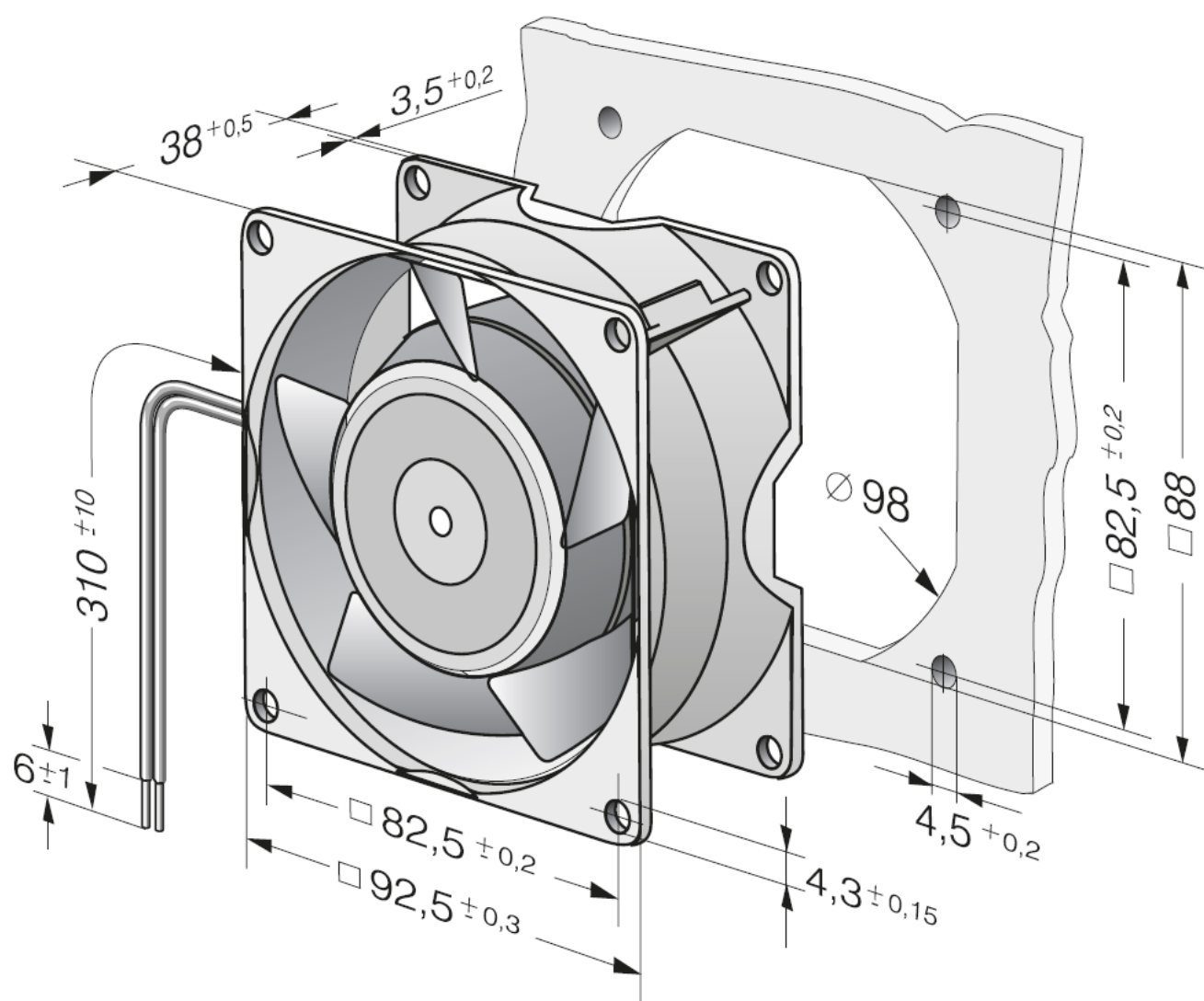
Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014700	230	50	75	2700	12	ball	37	52500	22500	-40..+75	0,42

note: fans used at 60Hz have slightly more air performance	Guard grille
Pricelist	9920023001

Curves: Air performance



Drawing



9956 - Size(mm): 119x119x25

AC compact fans



Back to product overview:



Material/surface

- Impeller: Mineral-reinforced PA plastic
- Housing: Die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 2.8 x 0.5 mm

Conformity with standards

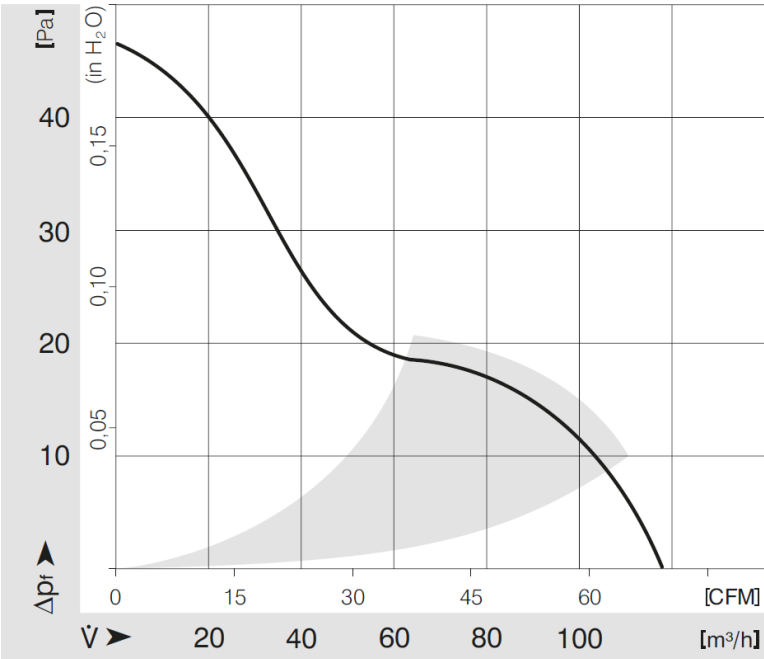
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

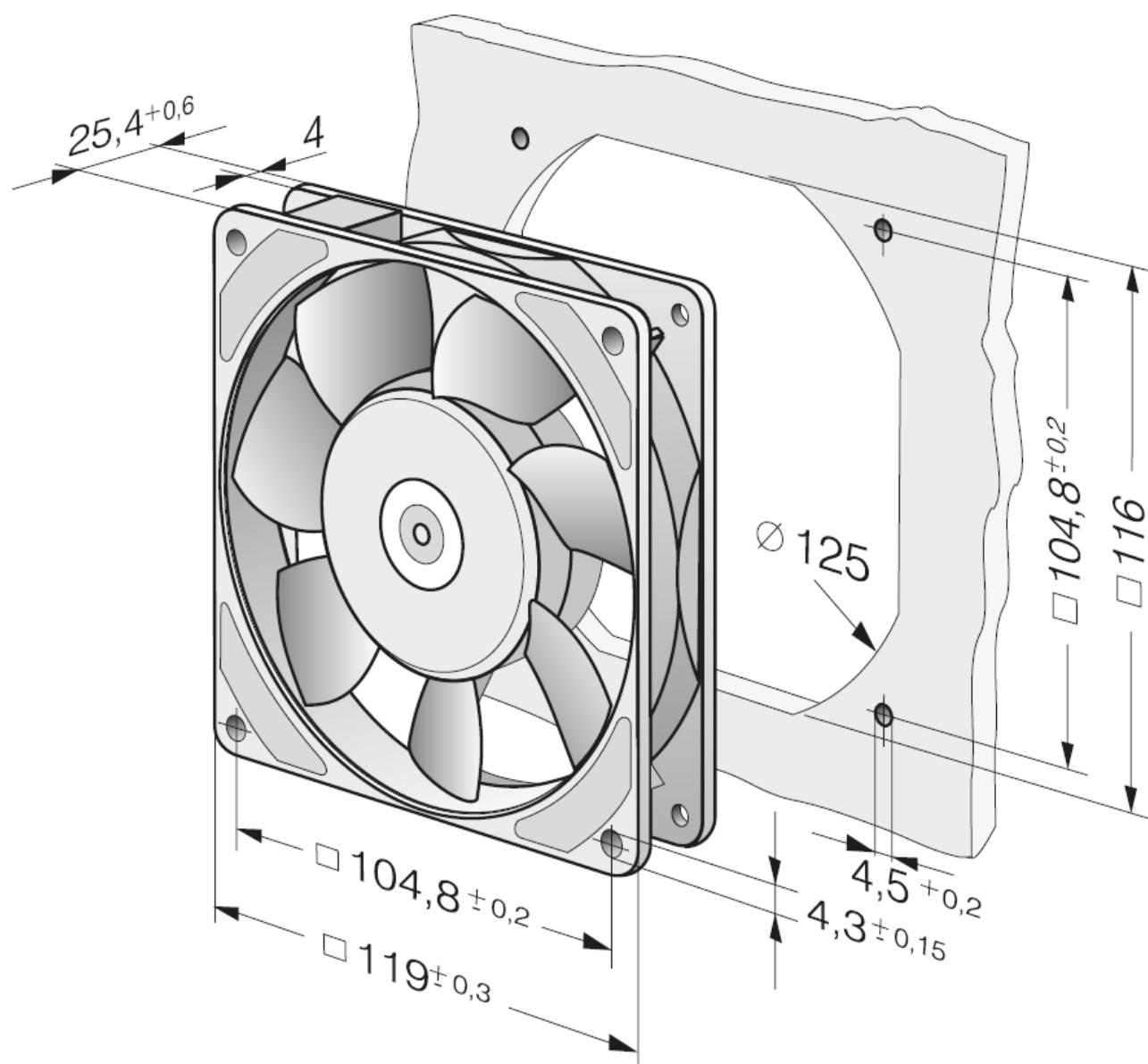
Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9282708001	230	50	117	2450	14	ball	37	47500	22500	-40..+70	0,325

note: fans used at 60Hz have slightly more air performance	Fan filter	Guard grille
Pricelist	9920340004	9920030004

Curves: Air performance



Drawing



4850 N - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 3.0 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014111	230	50	100	1800	10	sleeve	32	57500	27500	-10..+70	0,55

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

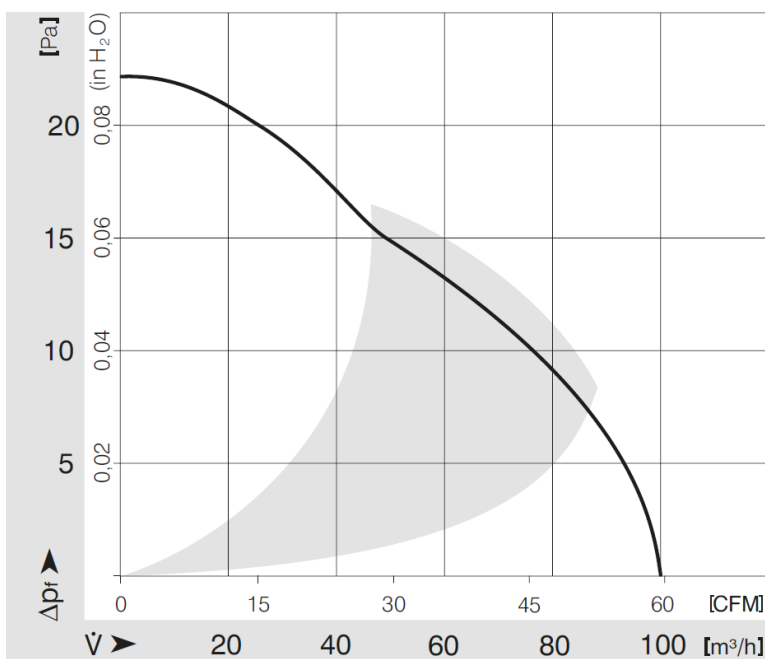
Fan filter

[9920340004](#)

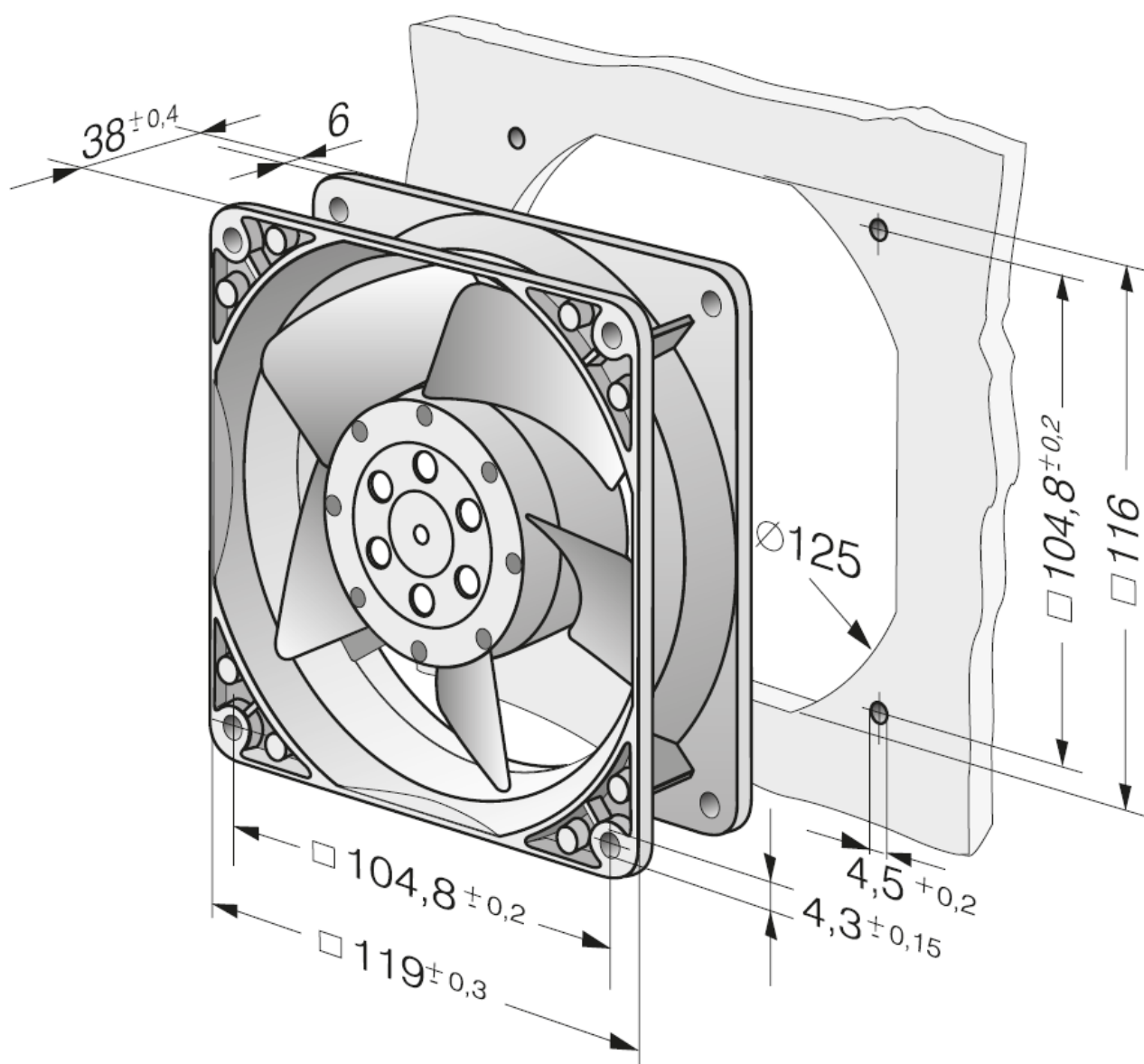
Guard grille

[9920030004](#)

Curves: Air performance



Drawing



4550 N - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 3.0 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014115	230	50	145	2550	16,5	sleeve	44	42500	30000	-10..+55	0,55

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

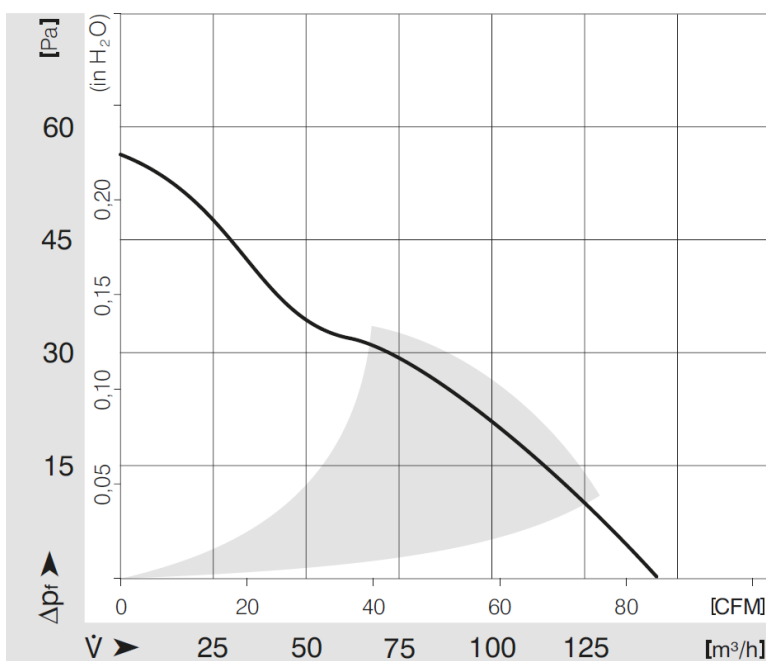
Fan filter

[9920340004](#)

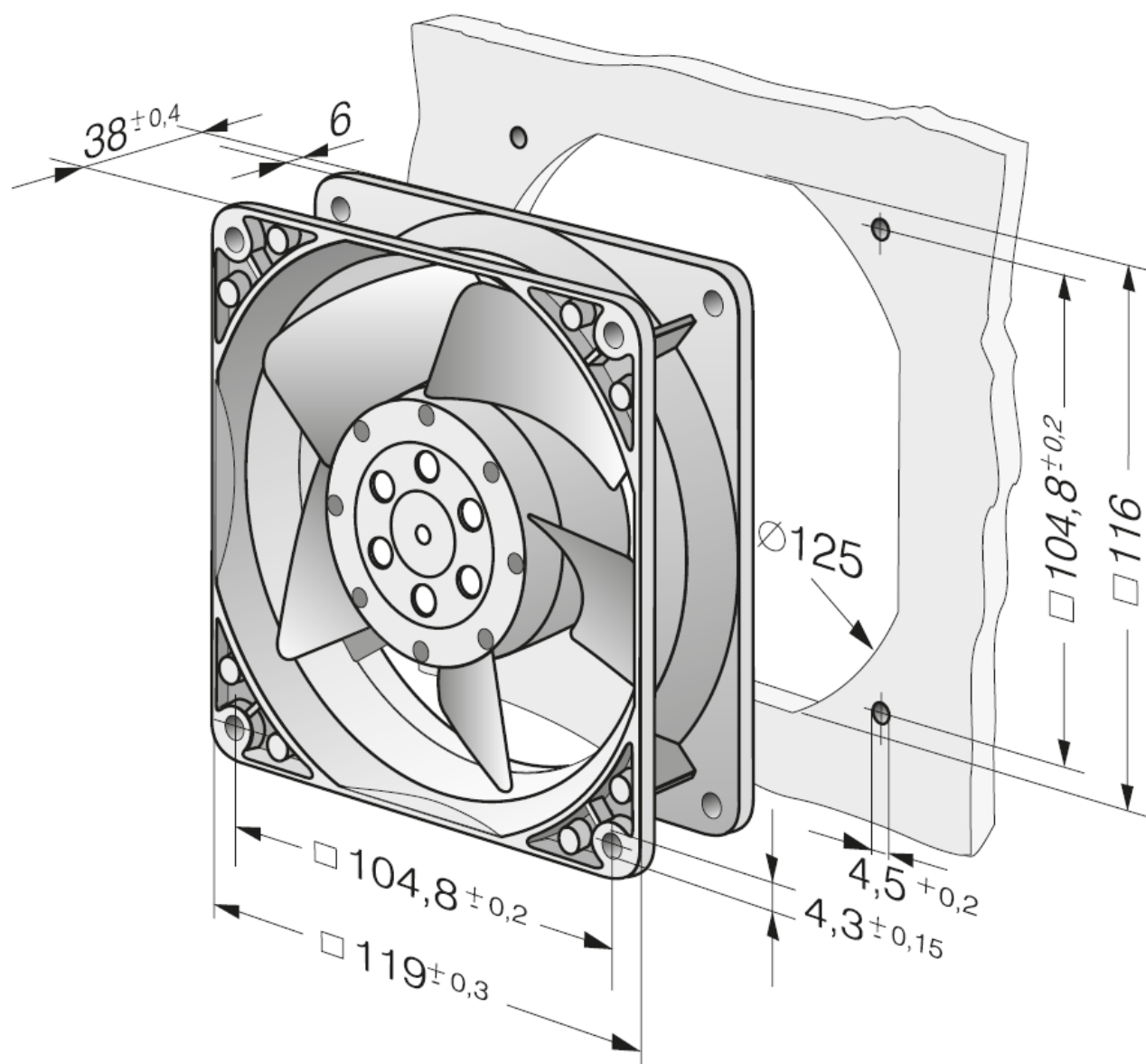
Guard grille

[9920030004](#)

Curves: Air performance



Drawing



4650 N - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 3.0 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014351	230	50	160	2650	19	sleeve	46	37500	27500	-10..+55	0,55

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

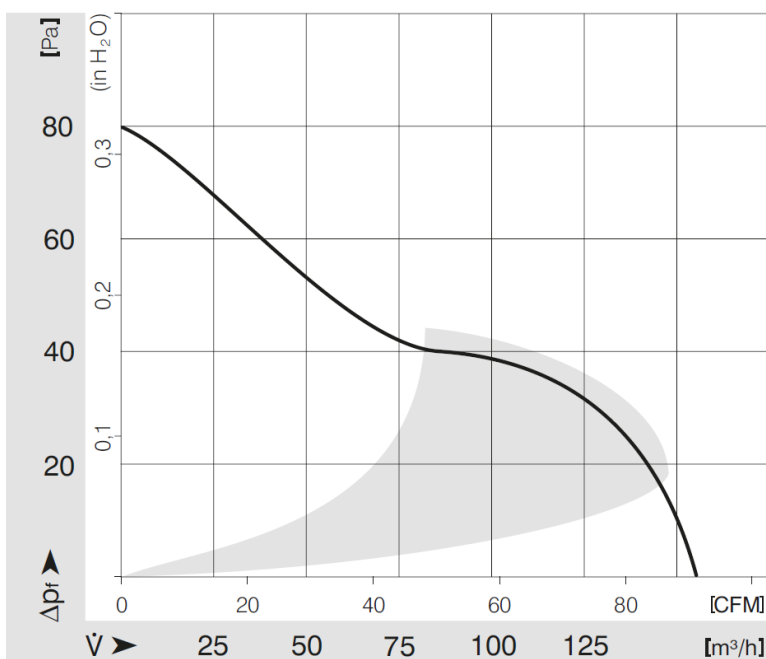
Fan filter

[9920340004](#)

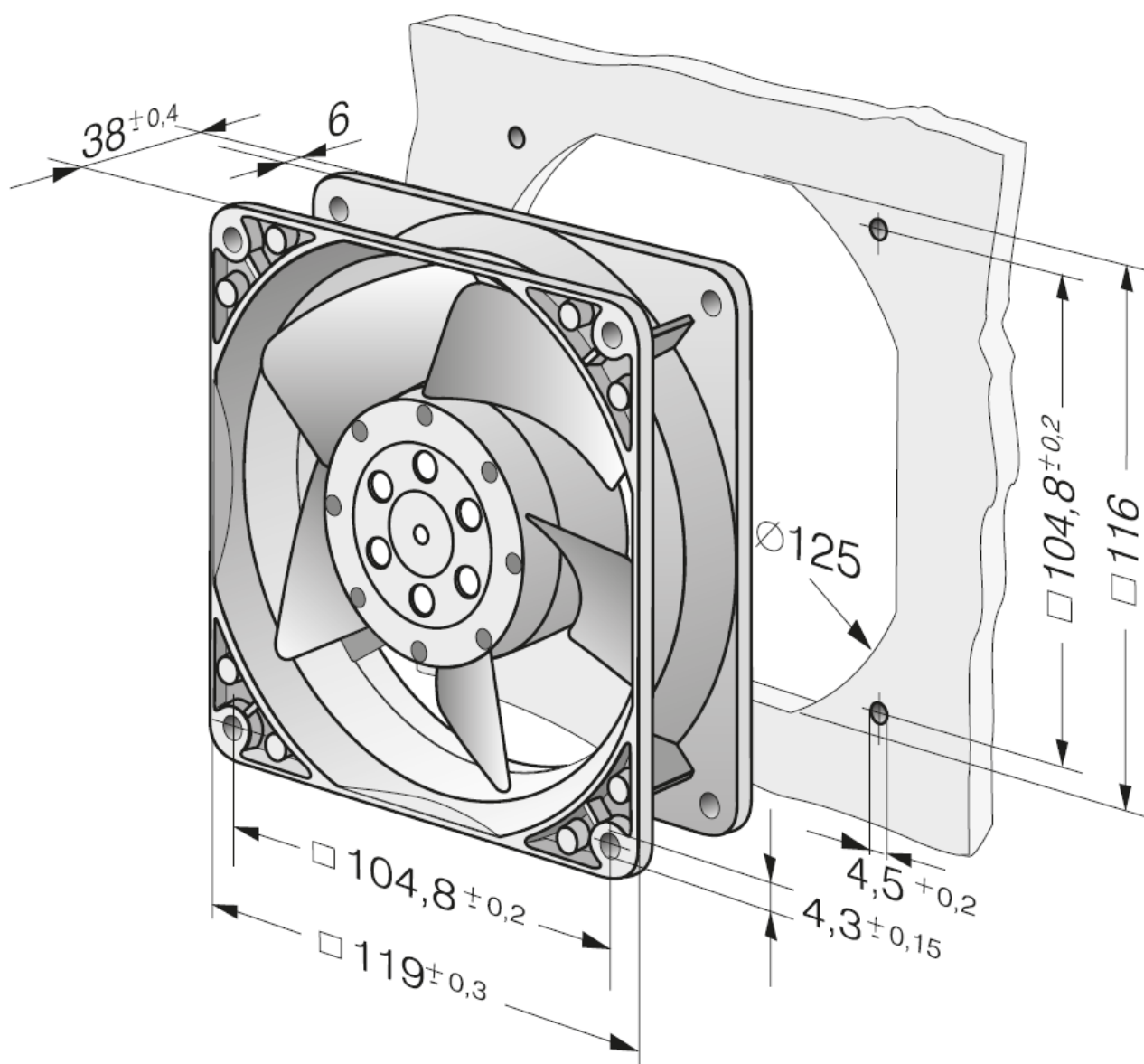
Guard grille

[9920030004](#)

Curves: Air performance



Drawing



4656 N - Size(mm): 119x119x38

AC compact fans



Back to product overview:



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 3.0 x 0.5 mm

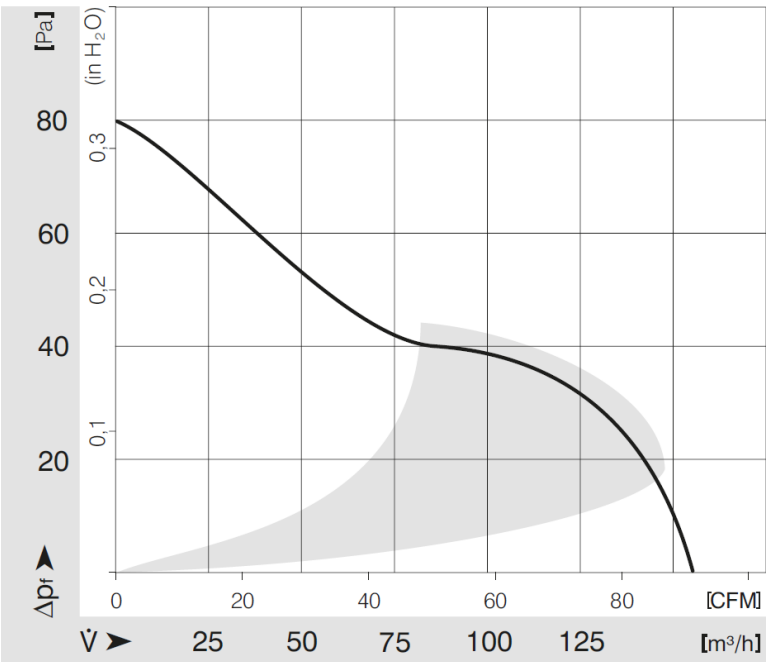
Conformity with standards

- Norm: IEC 60038

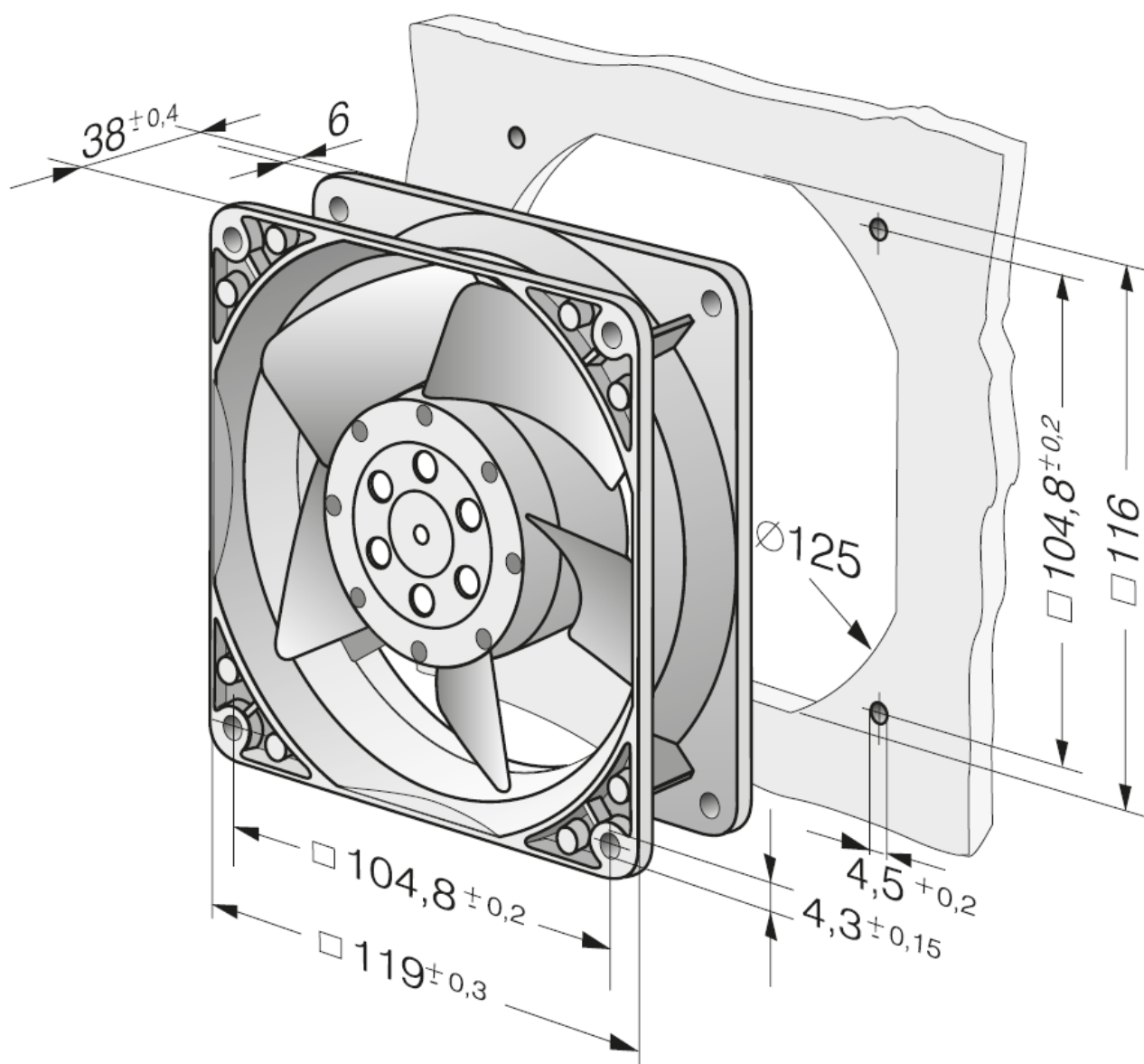
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014139	230	50	160	2650	19	ball	47	37500	15000	-40..+85	0,55
note: fans used at 60Hz have slightly more air performance						Fan filter	Guard grille				
Pricelist						9920340004	9920030004				

Curves: Air performance



Drawing



4850 ZW - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014827	230	50	98	1700	13	sleeve	27	50000	27500	-10..+65	0,54

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

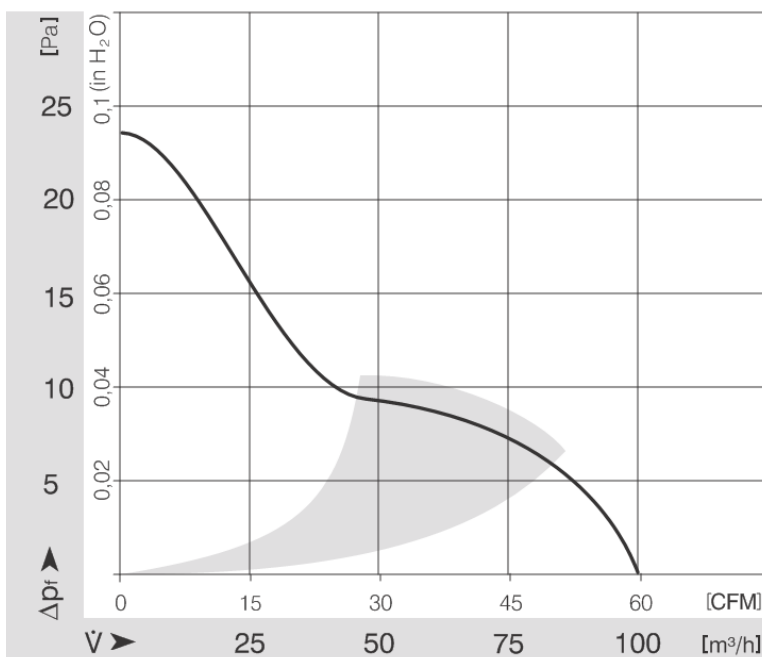
Fan filter

[9920340004](#)

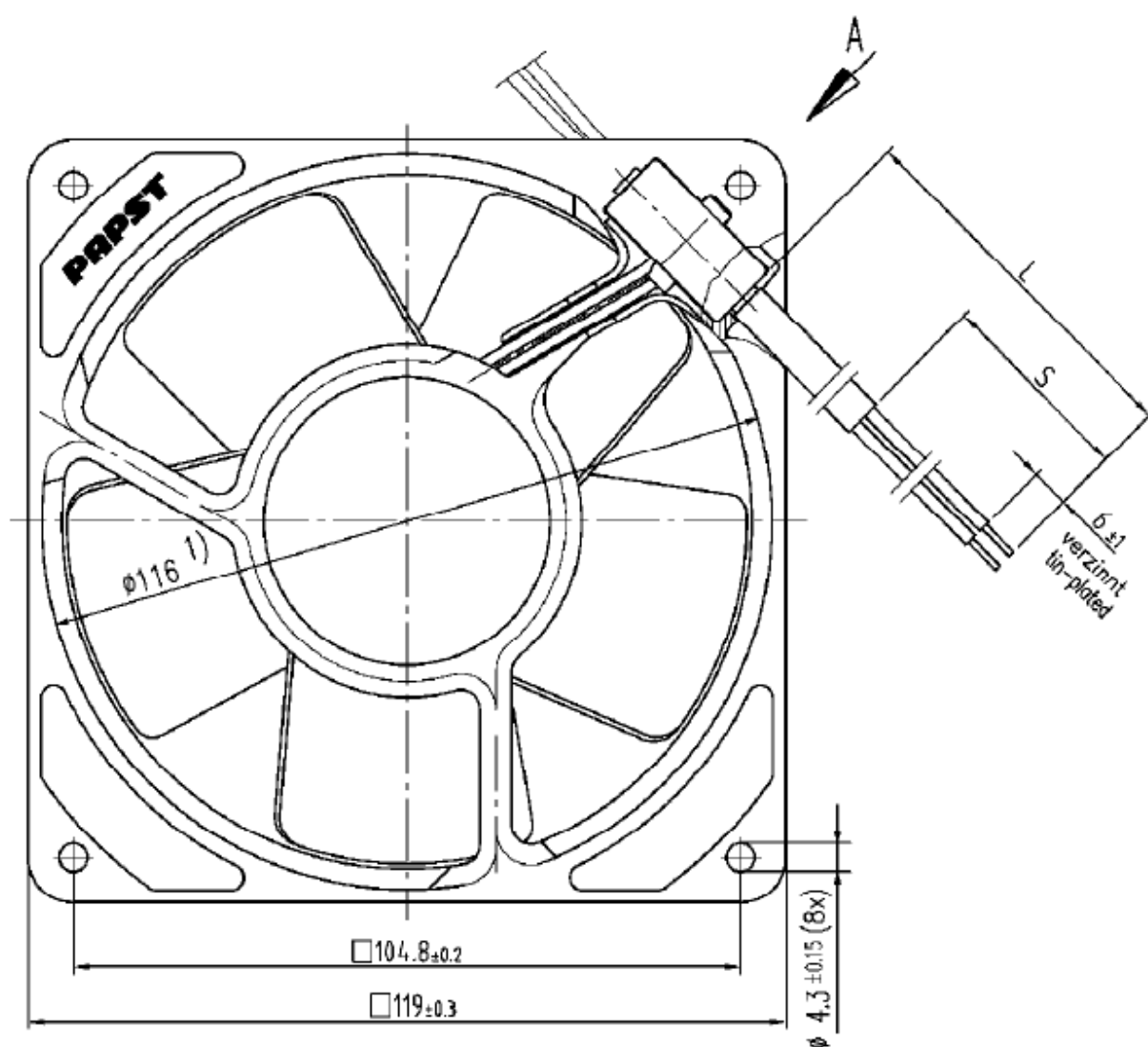
Guard grille

[9920030004](#)

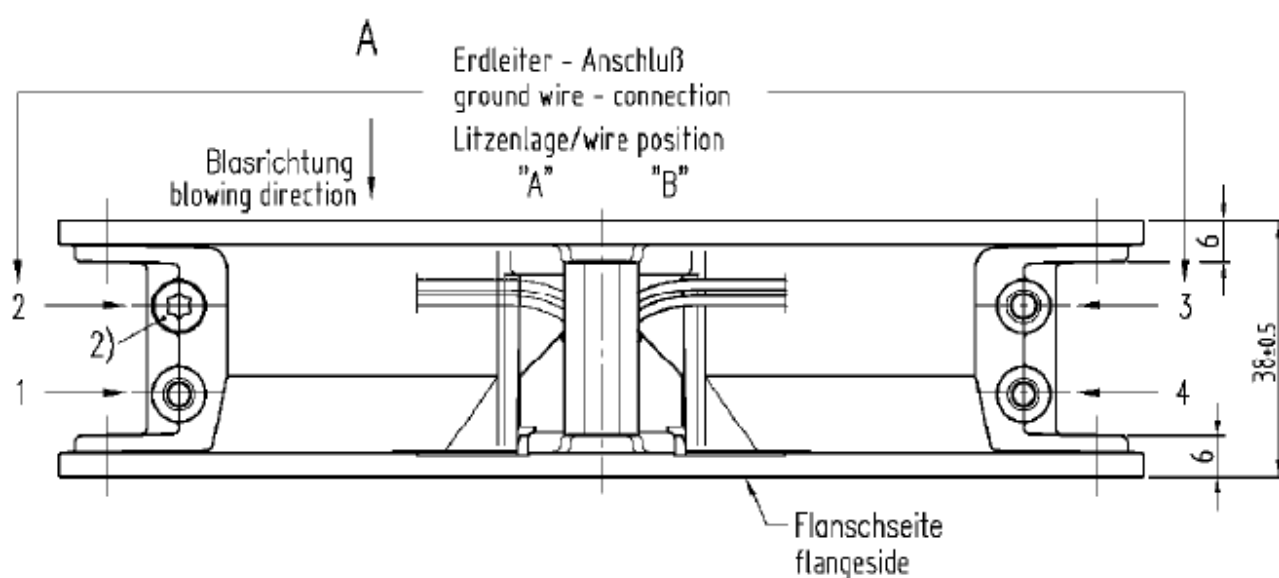
Curves: Air performance



Drawing



Spare parts



4856 Z-857 - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

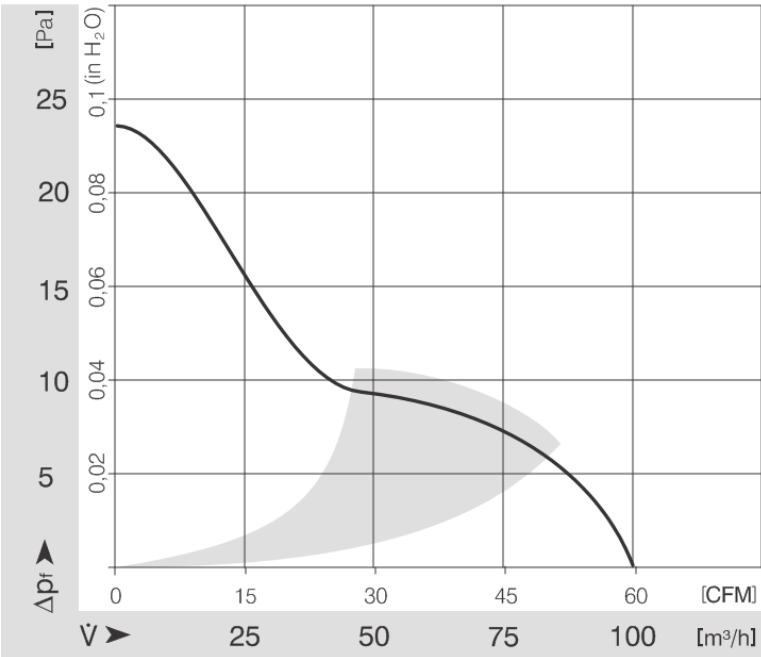
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

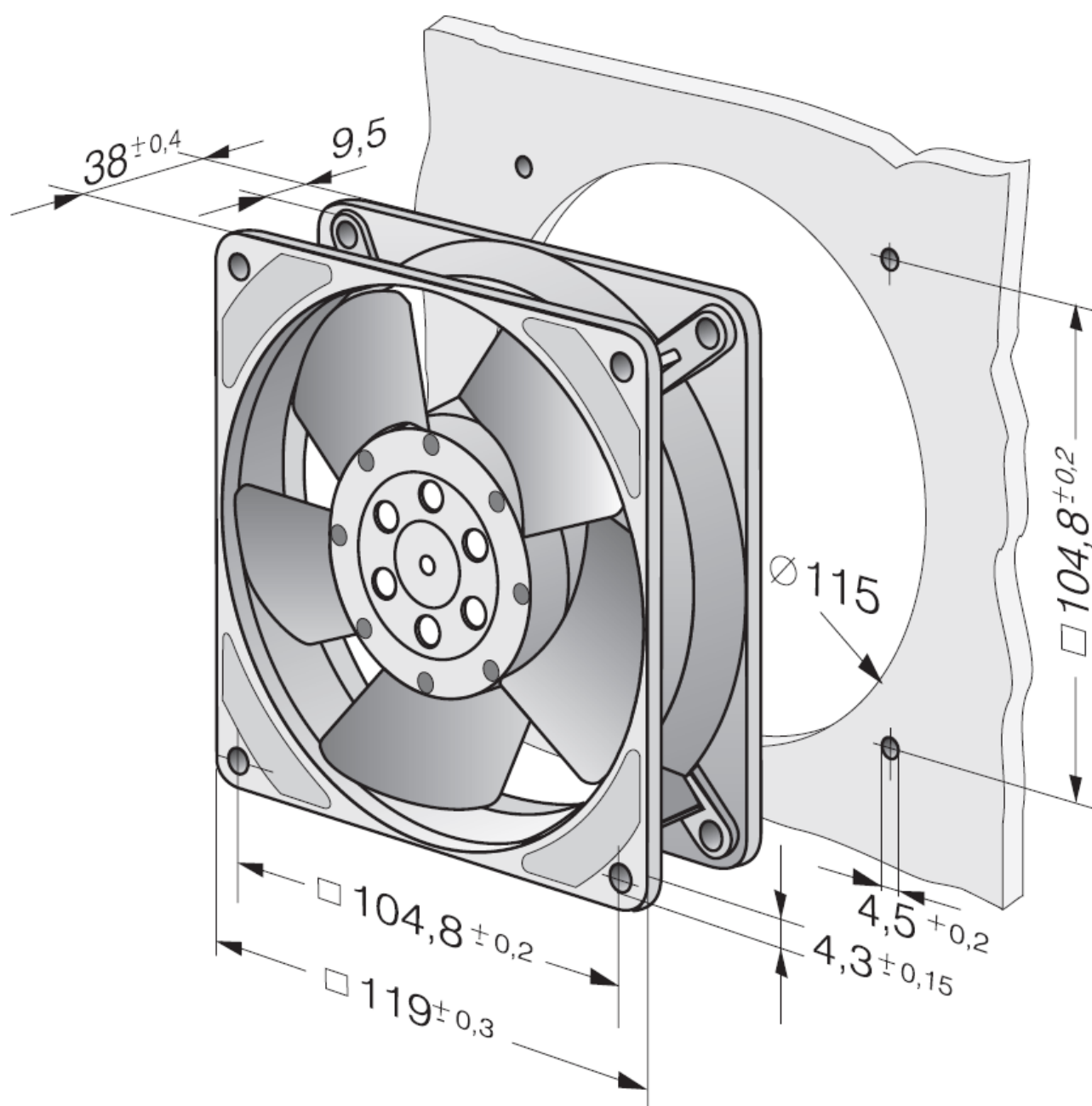
Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014857	230	50	98	1700	13	ball	26	50000	20000	-40..+75	0,54

<i>note: fans used at 60Hz have slightly more air performance</i>	Fan filter	Guard grille
Pricelist	9920340004	9920030004

Curves: Air performance



Drawing



4586 Z - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 2.8 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014840	230	50	115	1900	13	ball	30	50000	20000	-40..+75	0,54

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

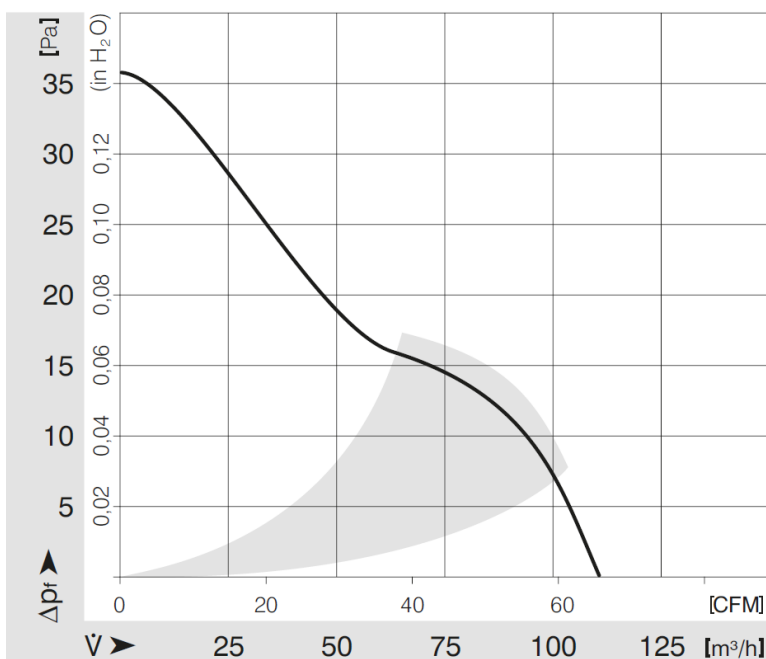
Fan filter

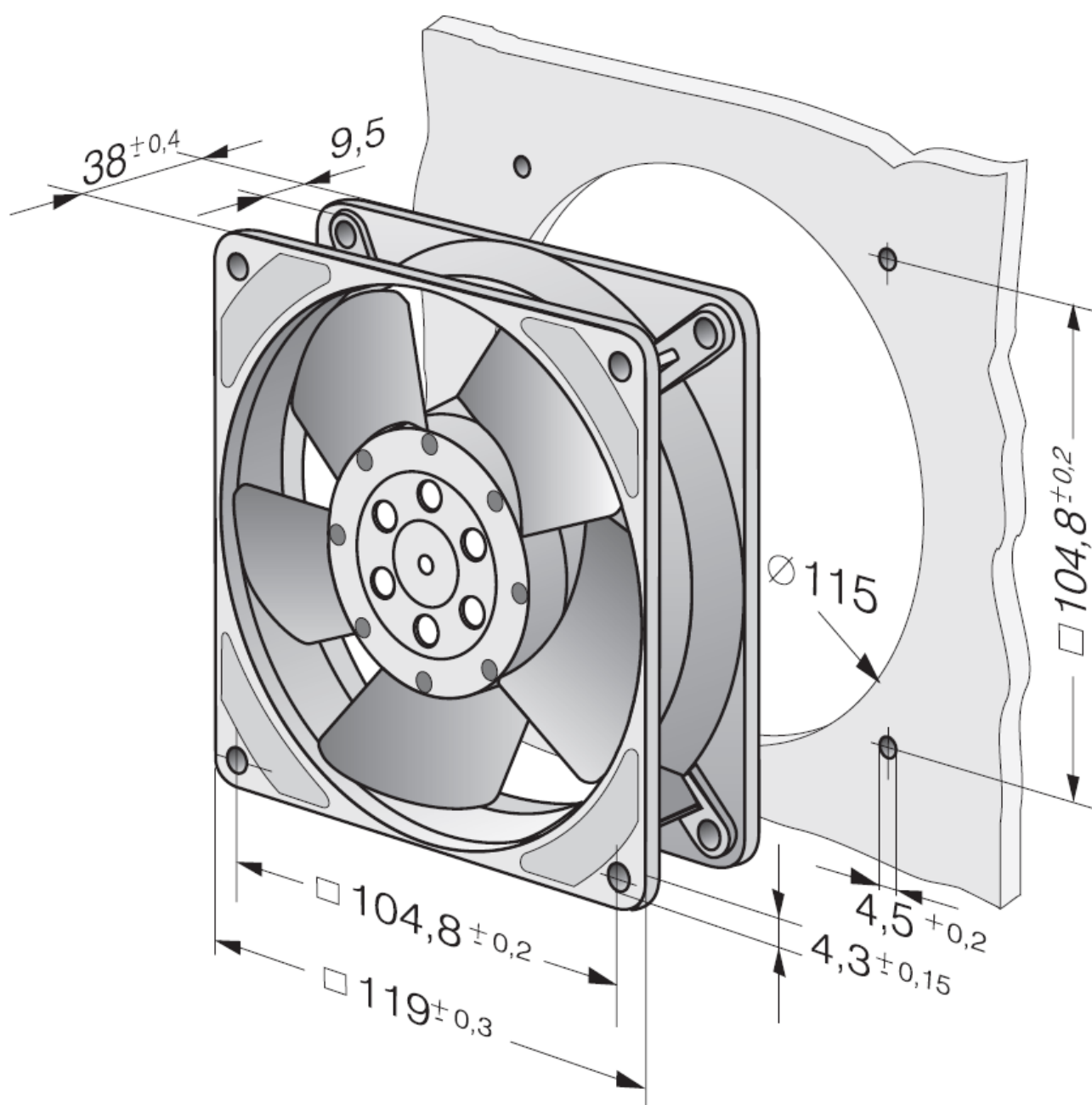
[9920340004](#)

Guard grille

[9920030004](#)

Curves: Air performance





4650 ZW - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 2.8 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9244014805	230	50	160	2650	19	sleeve	40	37500	30000	-10..+50	0,54

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

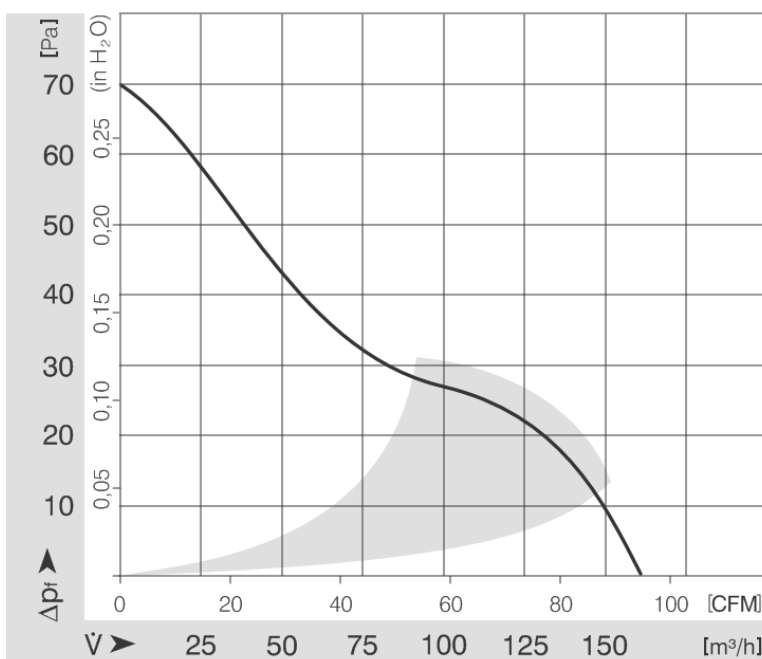
Fan filter

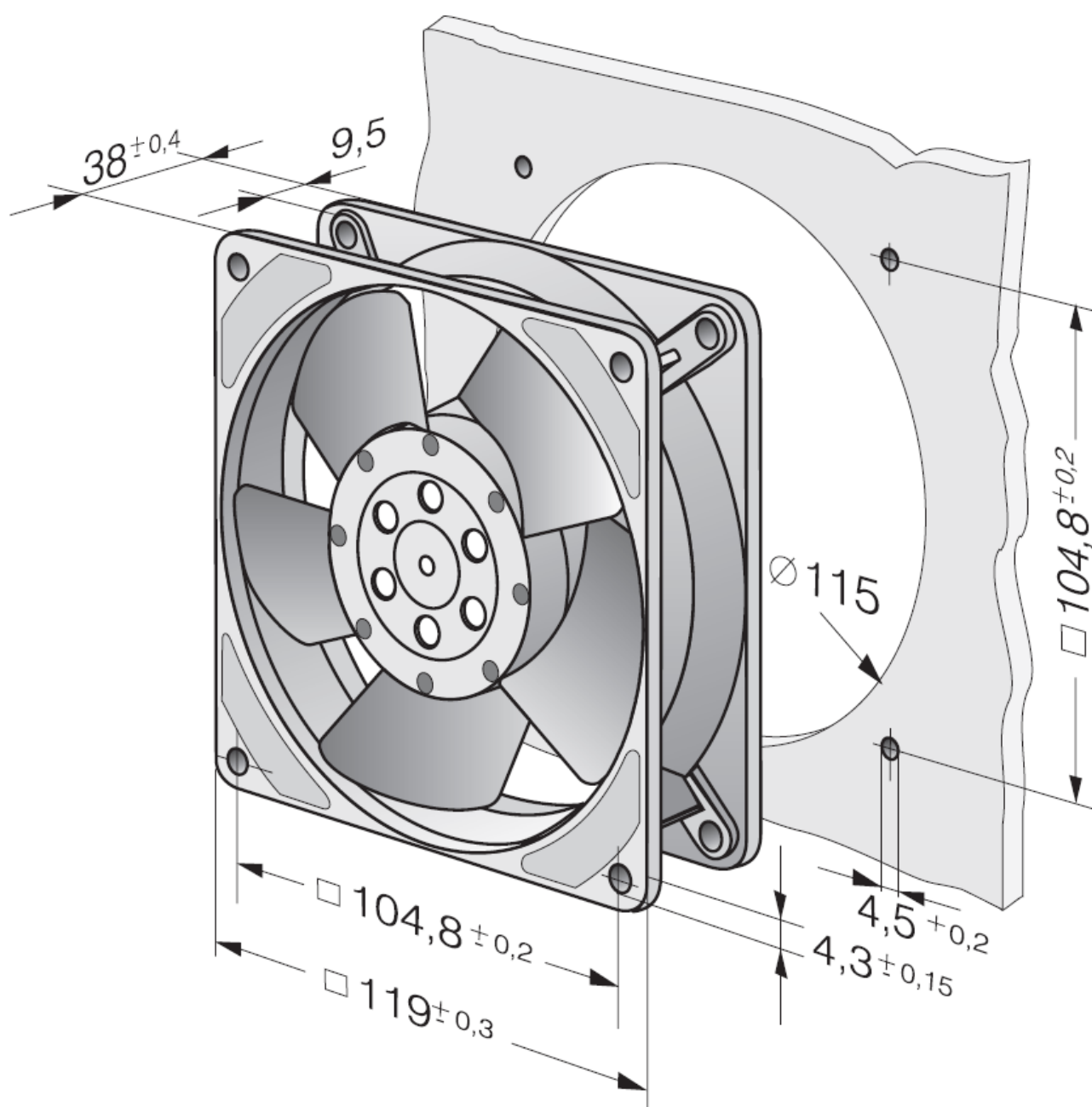
[9920340004](#)

Guard grille

[9920030004](#)

Curves: Air performance





4650 N-465 - Size(mm): 119x119x38

AC compact fans



Back to product overview:



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 3.0 x 0.5 mm

Conformity with standards

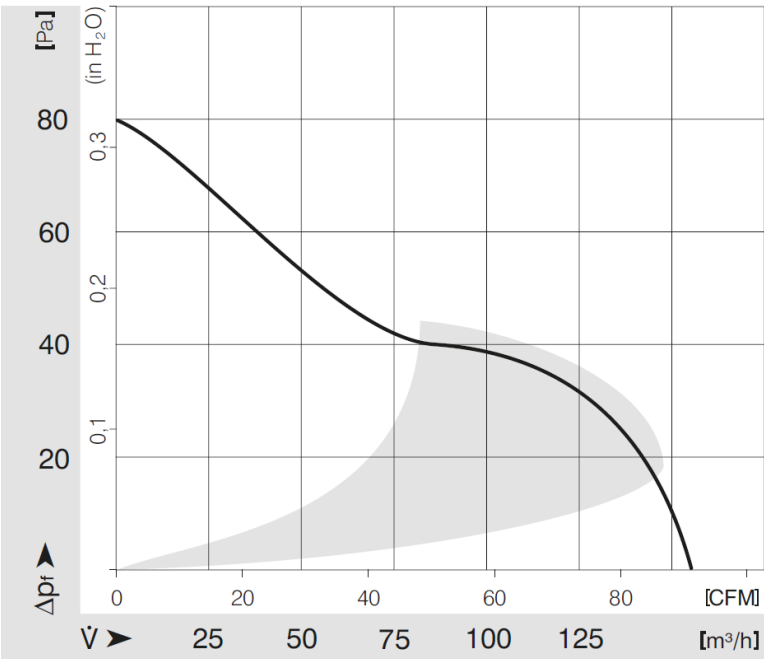
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

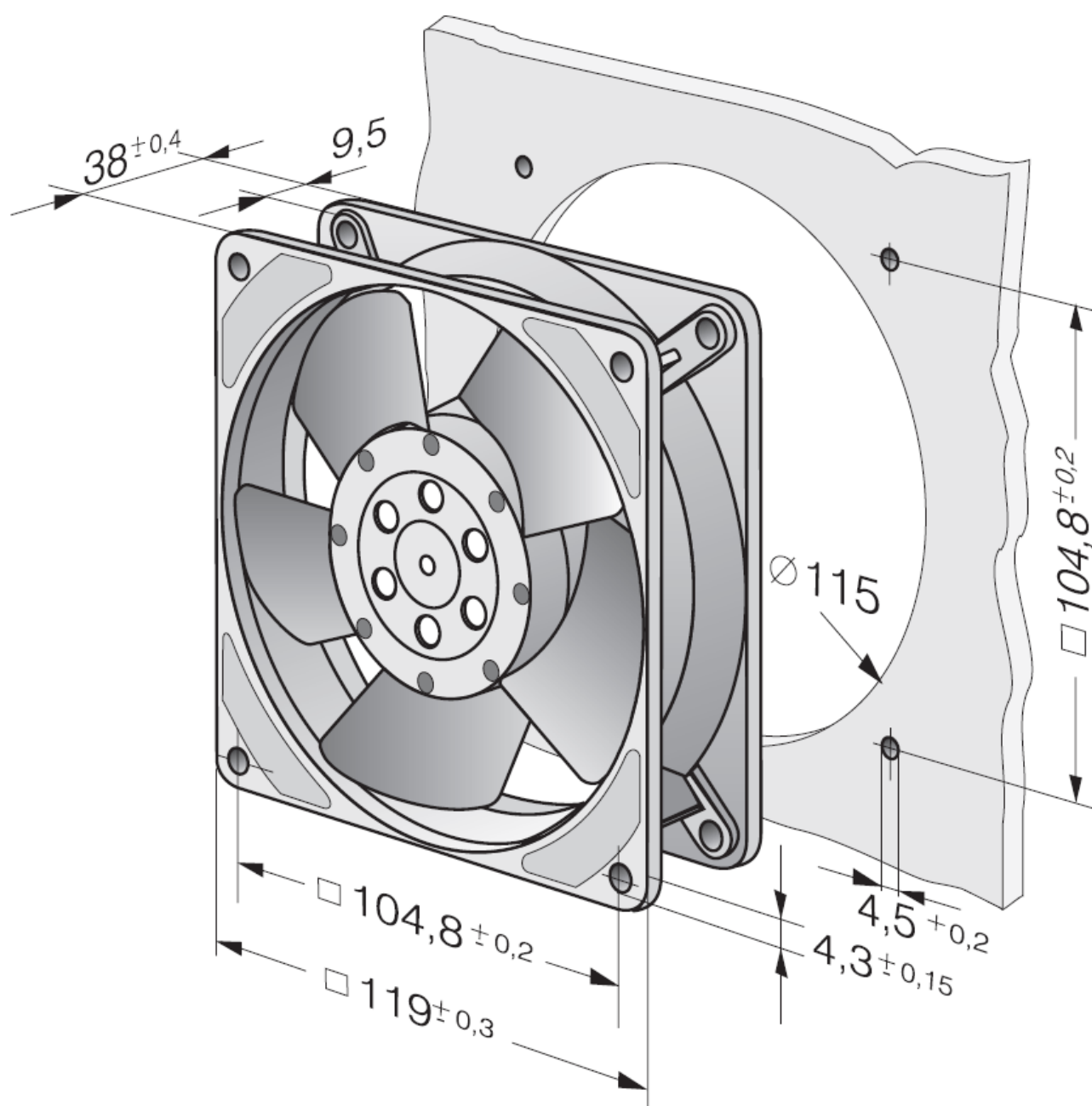
Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014465	230	50	158	2680	18	sleeve	46	37500	27500	-10..+55	0,55

note: fans used at 60Hz have slightly more air performance	Fan filter	Guard grille
Pricelist	9920340004	9920030004

Curves: Air performance



Drawing



4656 Z - Size(mm): 119x119x38

AC compact fans



Back to product overview:



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 2.8 x 0.5 mm

Conformity with standards

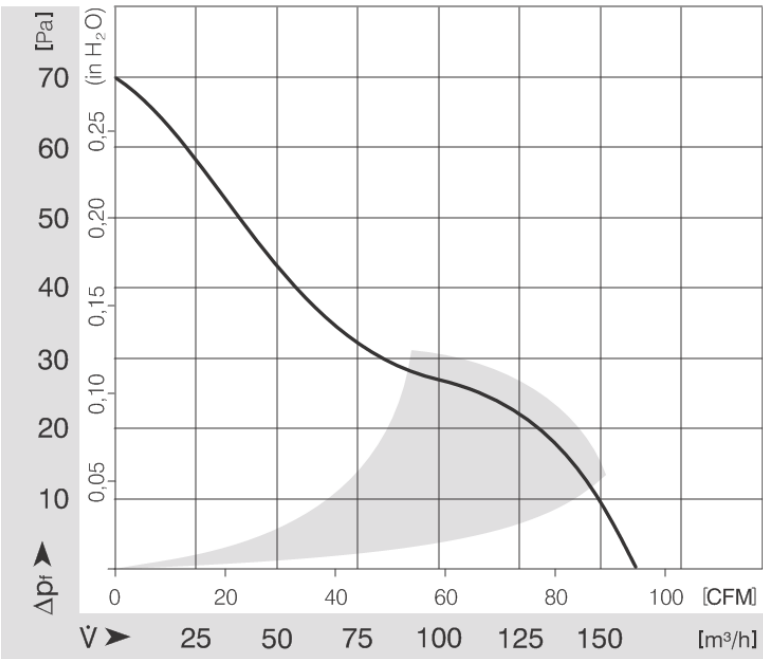
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

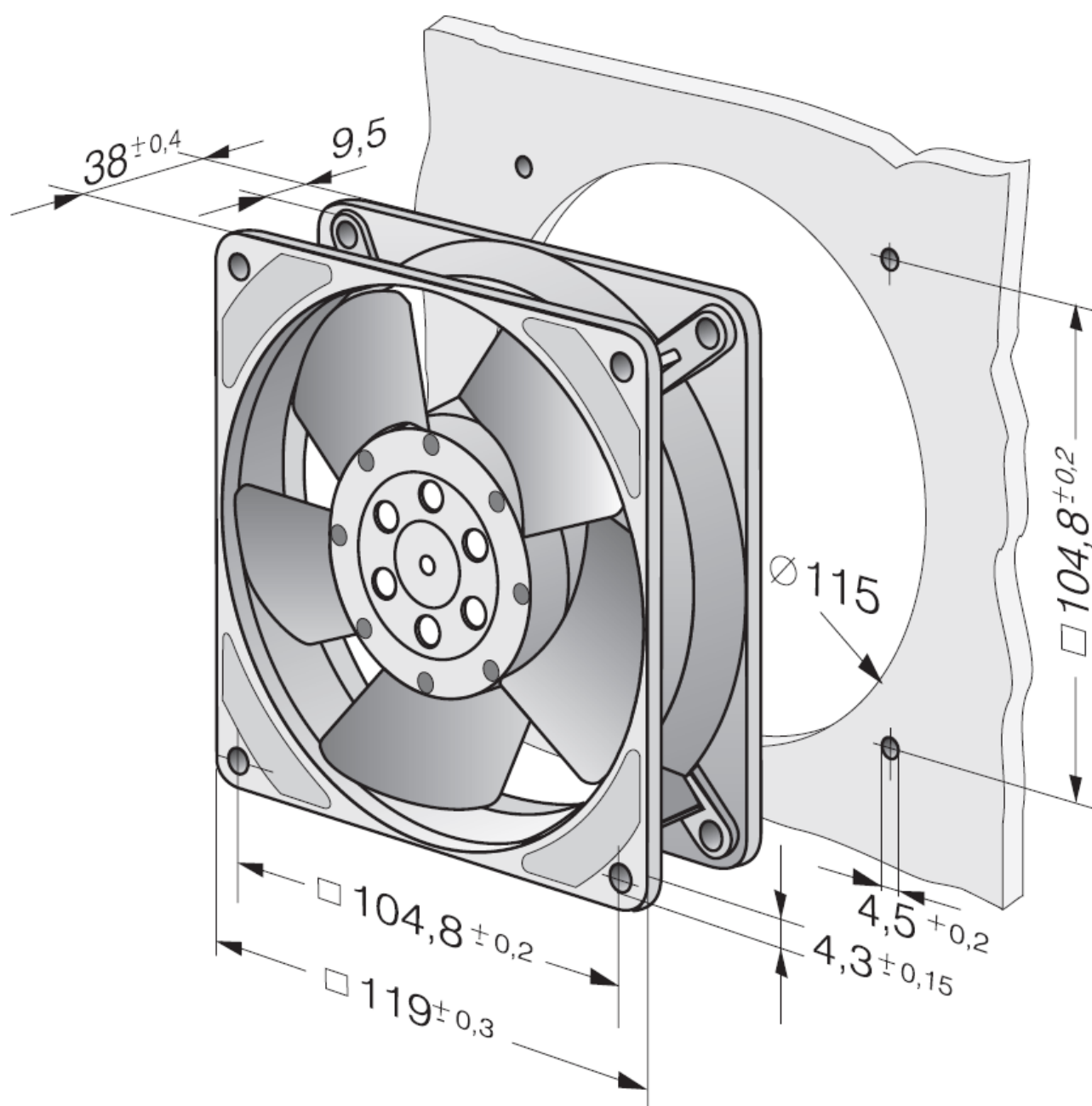
Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014800	230	50	160	2650	19	ball	40	37500	17500	-40..+75	0,54

note: fans used at 60Hz have slightly more air performance	Fan filter	Guard grille
Pricelist	9920340004	9920030004

Curves: Air performance



Drawing



4656 ZW - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 310 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014804	230	50	160	2650	19	ball	40	37500	17500	-40..+75	0,54

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

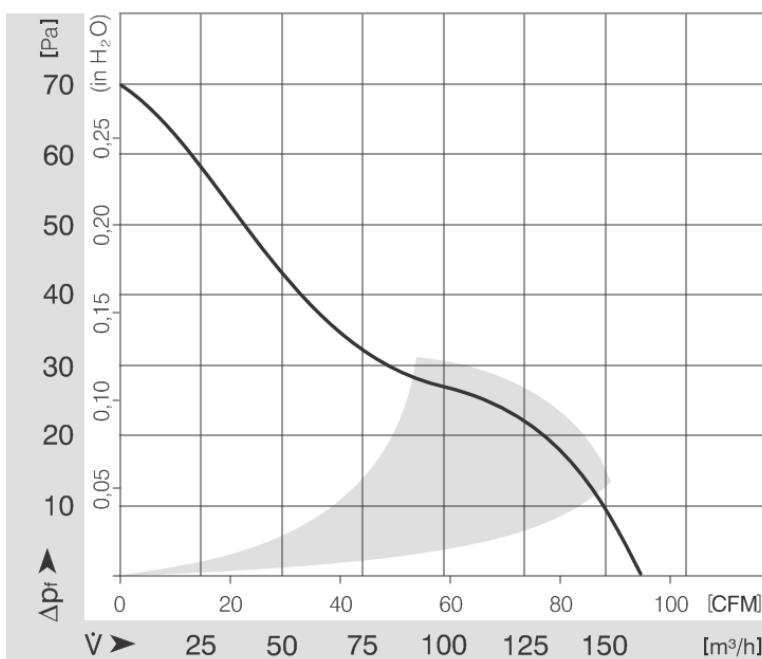
Fan filter

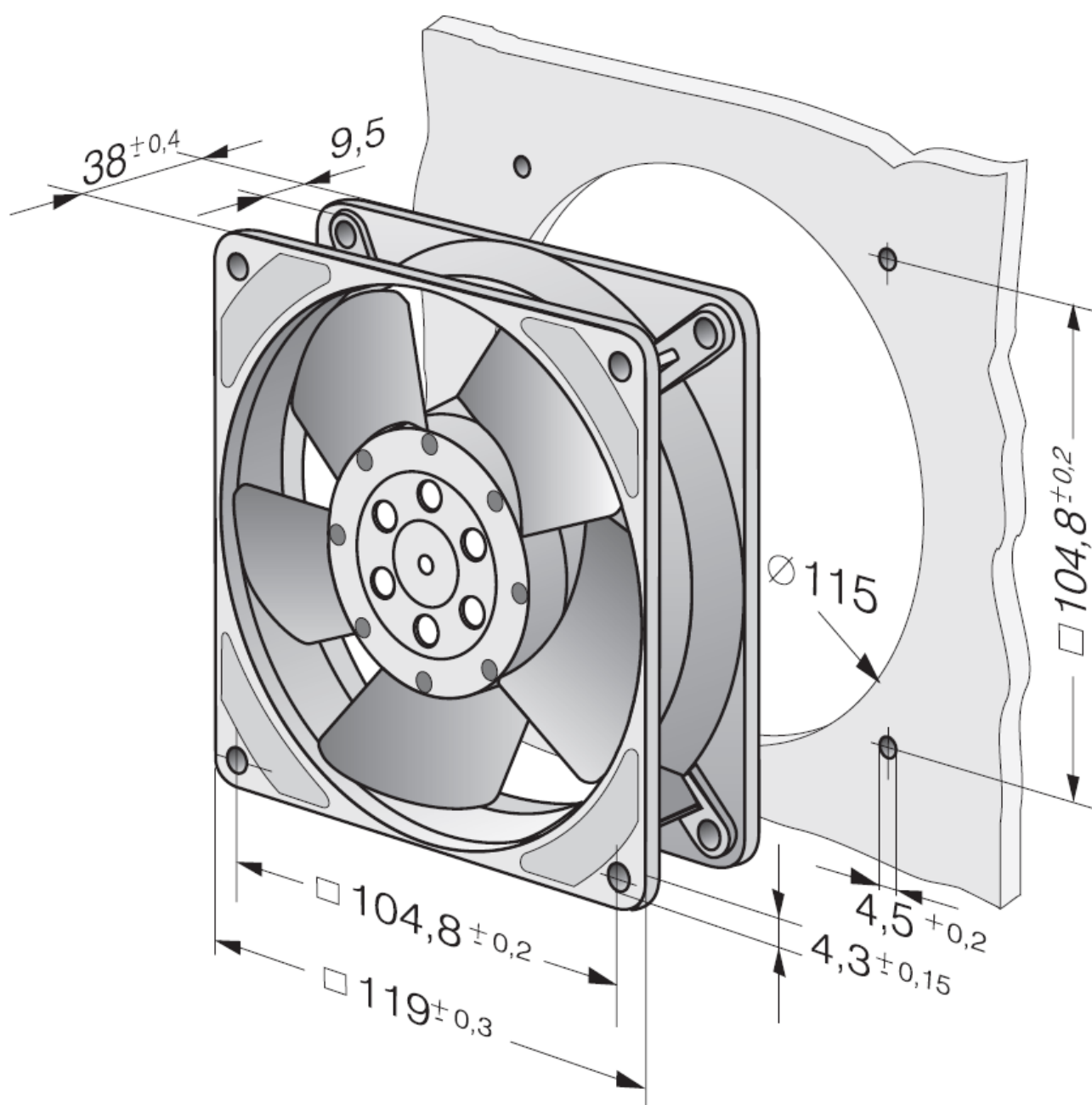
[9920340004](#)

Guard grille

[9920030004](#)

Curves: Air performance





4606 N - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by impedance protection
- Cable: 2 flat plugs 3.0 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9274014147	115	60	180	3100	18	ball	51	40000	15000	-40..+90	0,55

note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

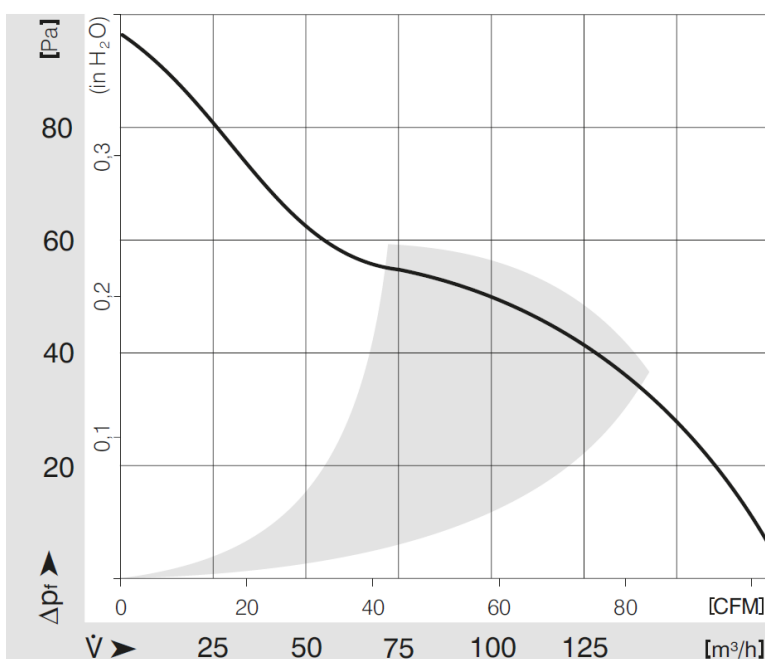
Fan filter

[9920340004](#)

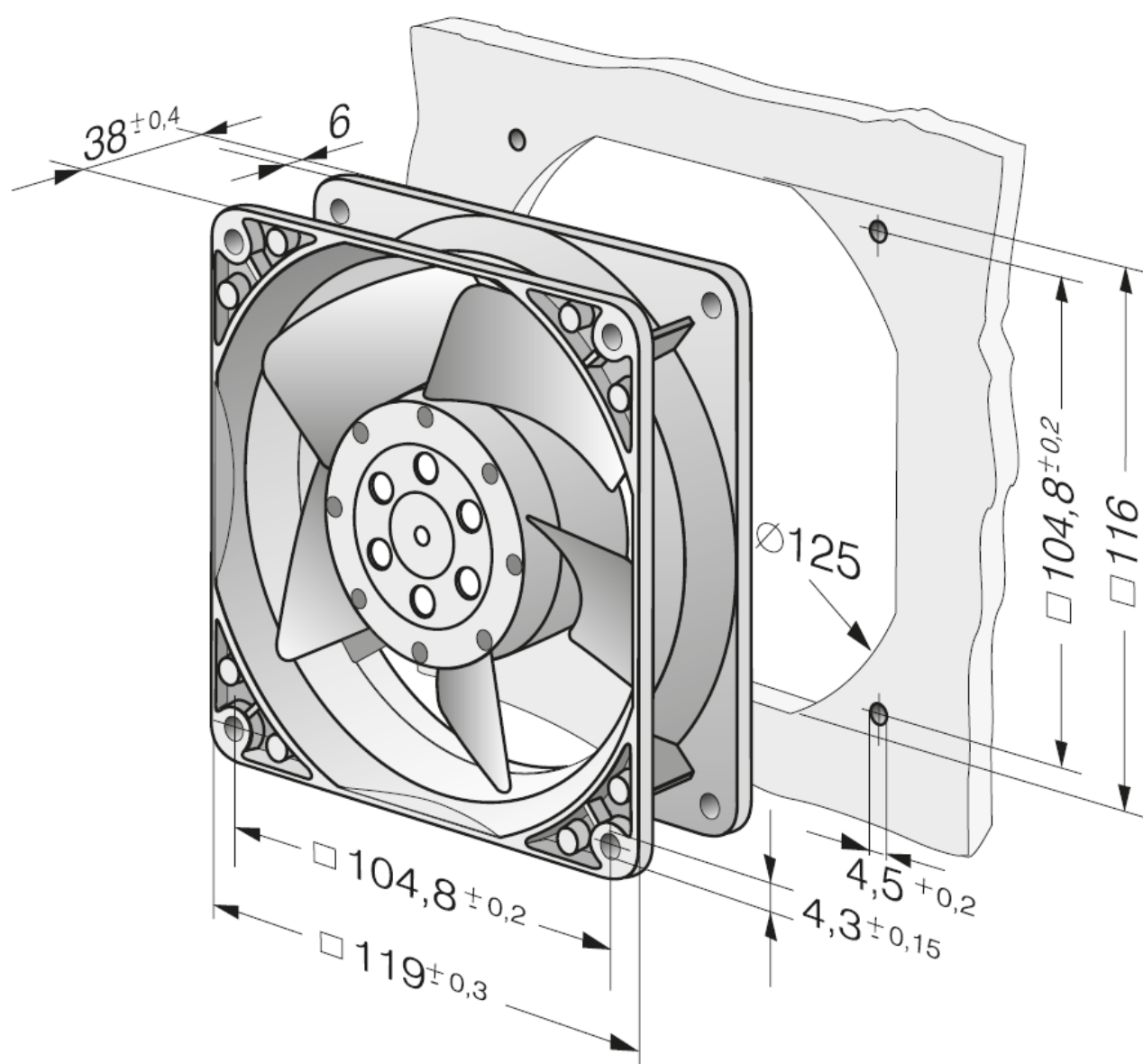
Guard grille

[9920030004](#)

Curves: Air performance



Drawing



AxiAci 120-IP20 - Size(mm): 119x119x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Converter electronics and fan electronics fully integrated
- Cable: 2 flat plugs 2.8 x 0.5 mm

Conformity with standards

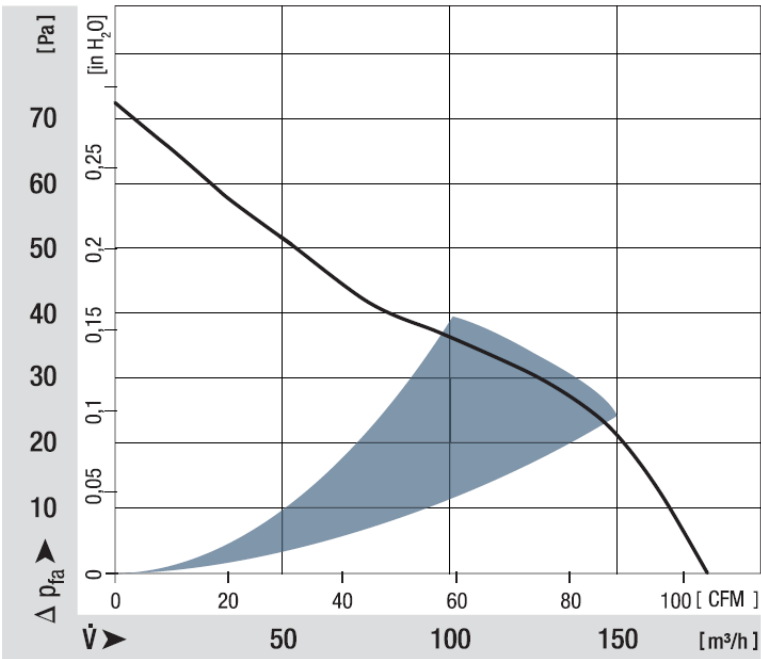
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

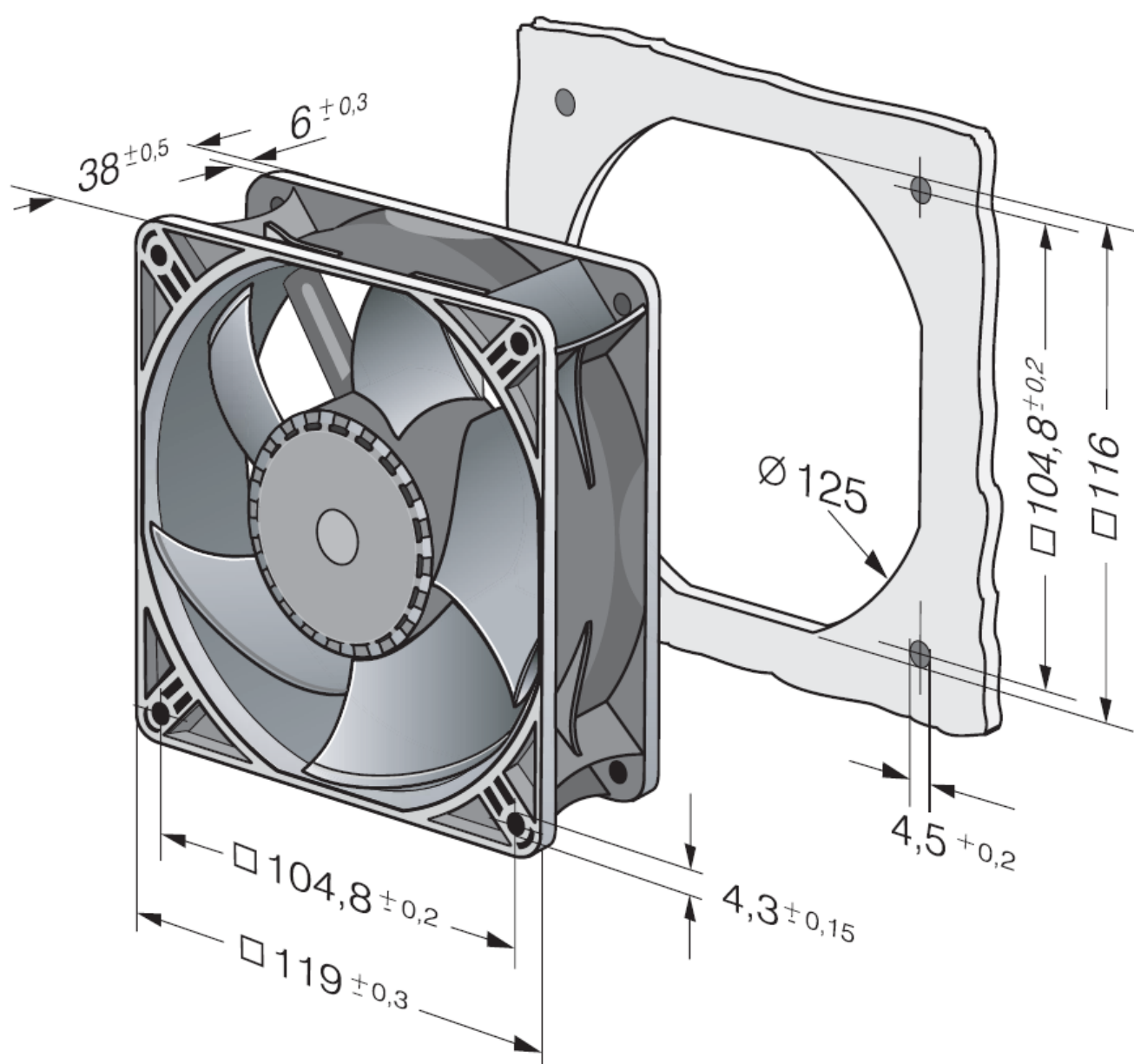
Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
8315100206	110-240	50	175	3300	4,4	ball	42	65000	25000	-20..+75	0,25

note: fans used at 60Hz have slightly more air performance	Fan filter	Guard grille
Pricelist	9920340004	9920030004

Curves: Air performance



Drawing



5656 S - Size(mm): 135x135x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearings
- Motor protection: Protected from overload by thermal cutout switch
- Cable: 2 flat plugs 2.8 x 0.5 mm

Conformity with standards

- Norm: IEC 60038

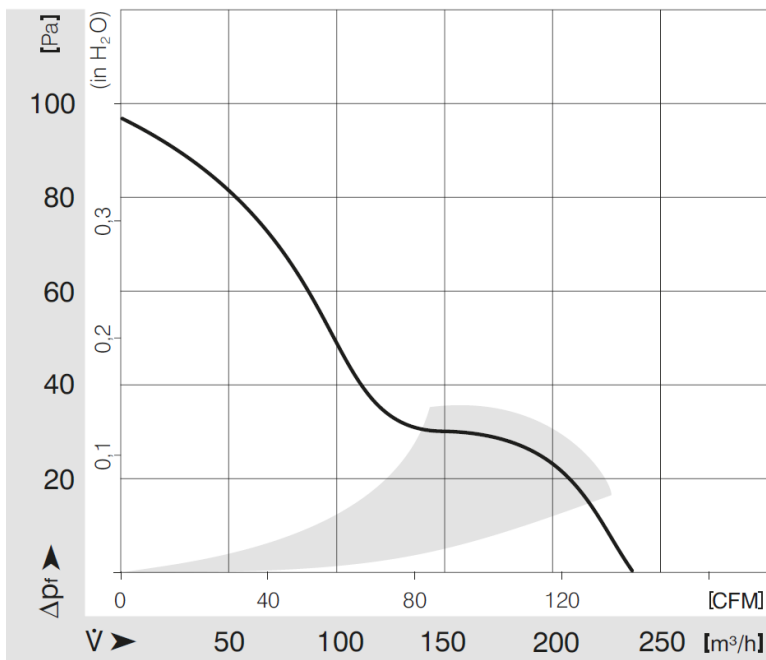
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VAC	Hz	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9245012001	230	50	235	2700	30	ball	46	45000	20000	-35..+70	0,8

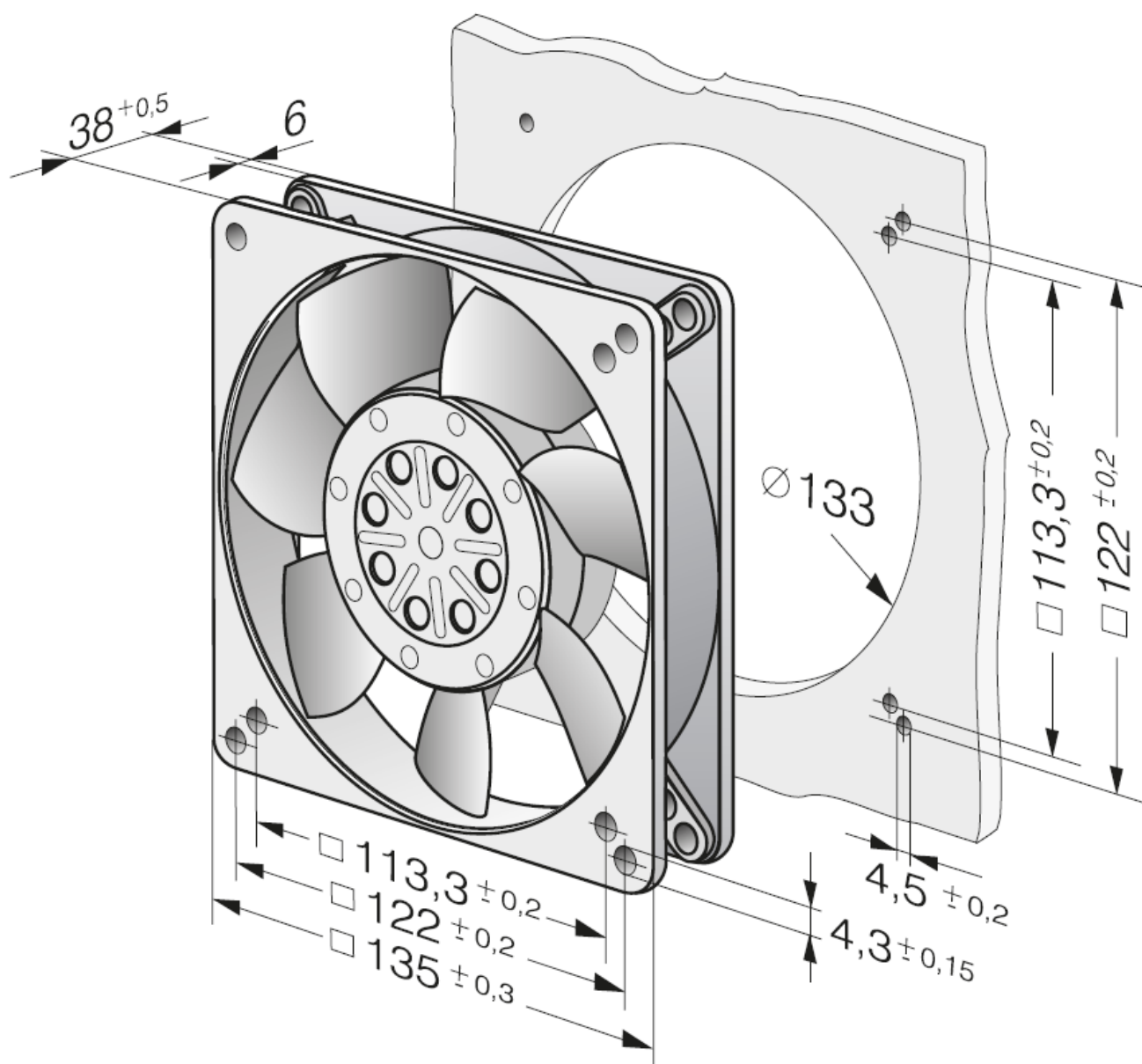
note: fans used at 60Hz have slightly more air performance

[Pricelist](#)

Curves: Air performance



Drawing



W2S130AA0301 - Size(mm): Ø150x55

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium, painted black
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP20
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: 330 mm

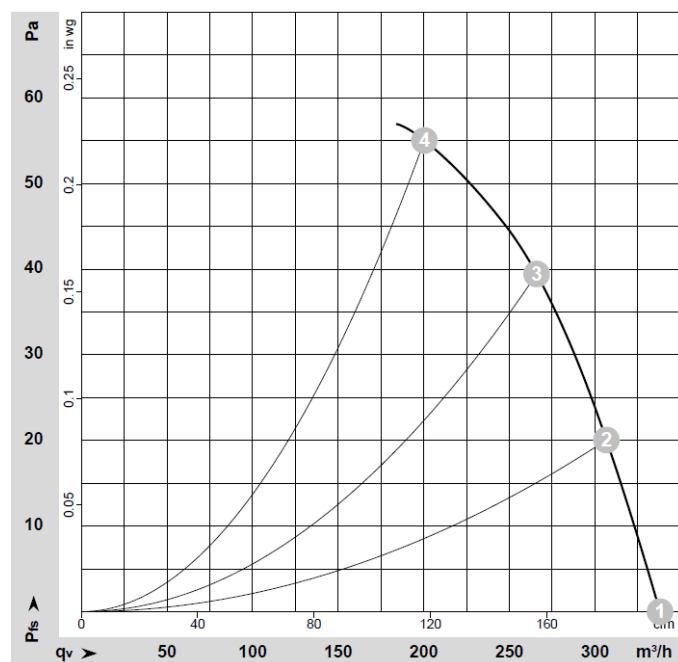
Conformity with standards

- Norm: EN 60335-1; CE

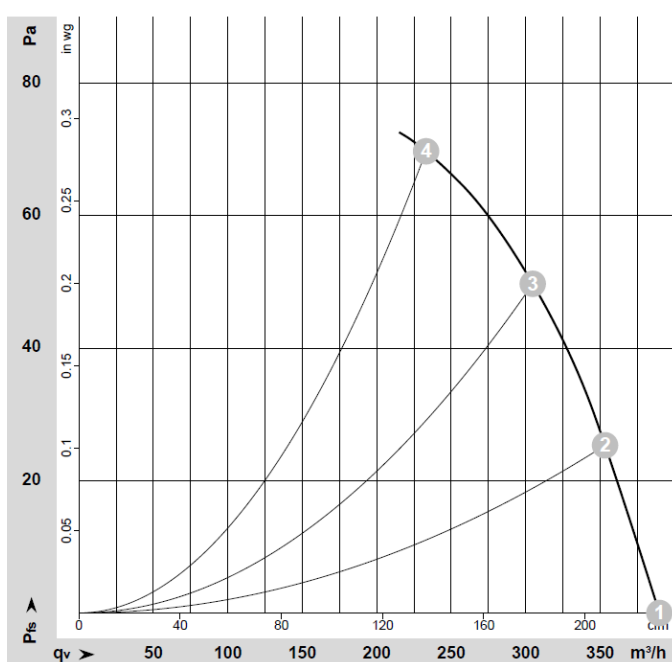
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	C	kg
W2S130AA0301	M2S052-CA	230	50	340	2800	45	0,31	-	49	80	-25..+50	1,1
		230	60	390	3250	39	0,25	-	53	120	-25..+70	
Subject to modification										Guard grille		
Pricelist										9920036000		

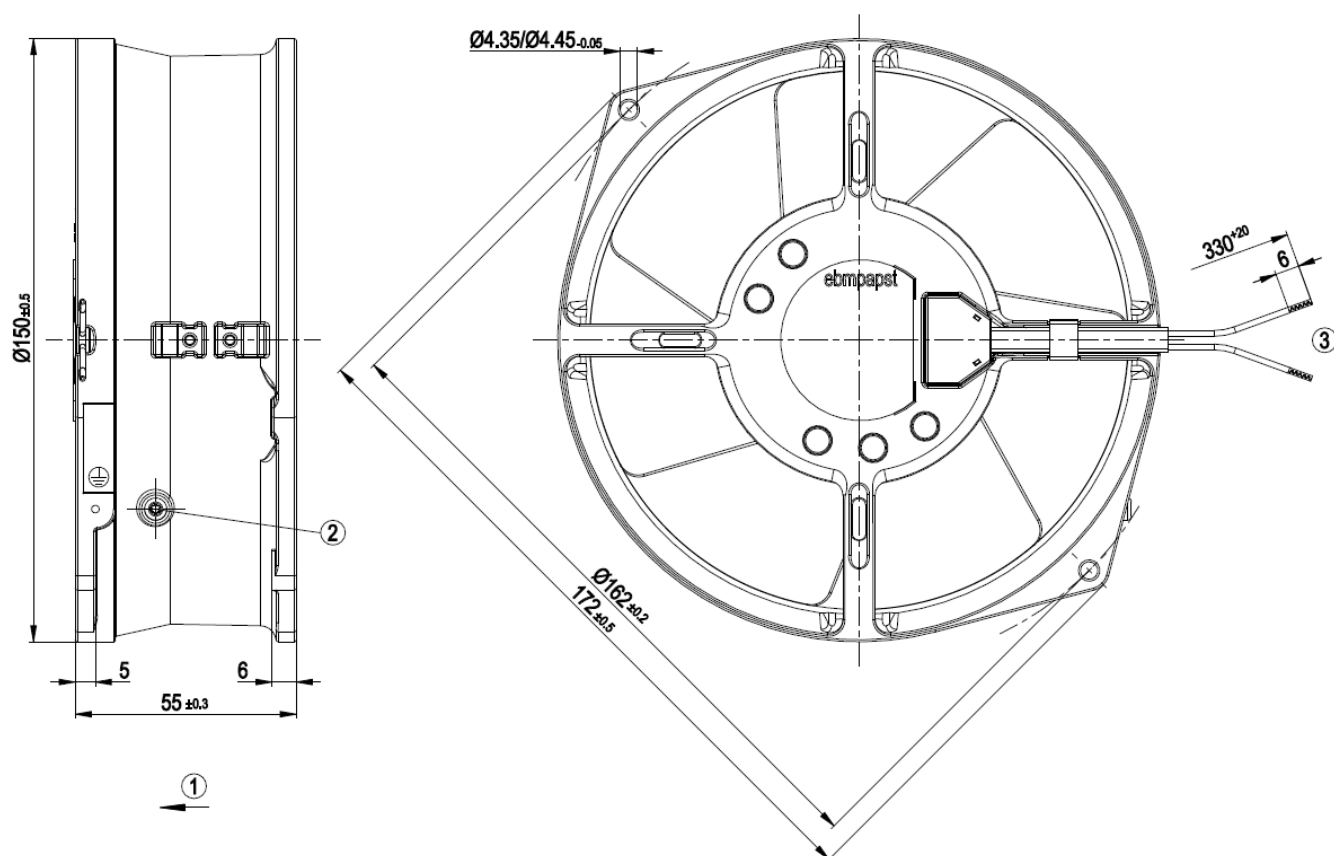
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

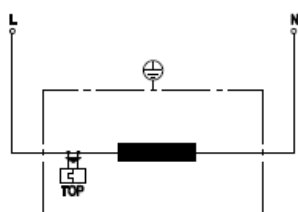


Drawing



1	Direction of air flow "V"
2	M4 screw for fastening ground connector
3	Cable AWG20, 2x crimped splices

Connection illustration



L	= black
N	= black
TOP	= Thermal overload protector

W2E142BB0101 - Size(mm): 150x172x38

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP22
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: 2 flat plugs 2.8 x 0.5 mm

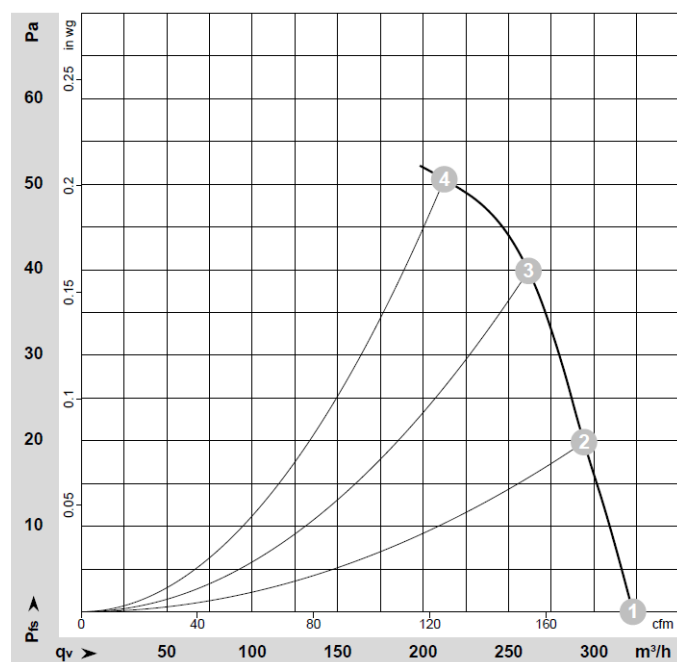
Conformity with standards

- Norm: EN 60335-1; CE

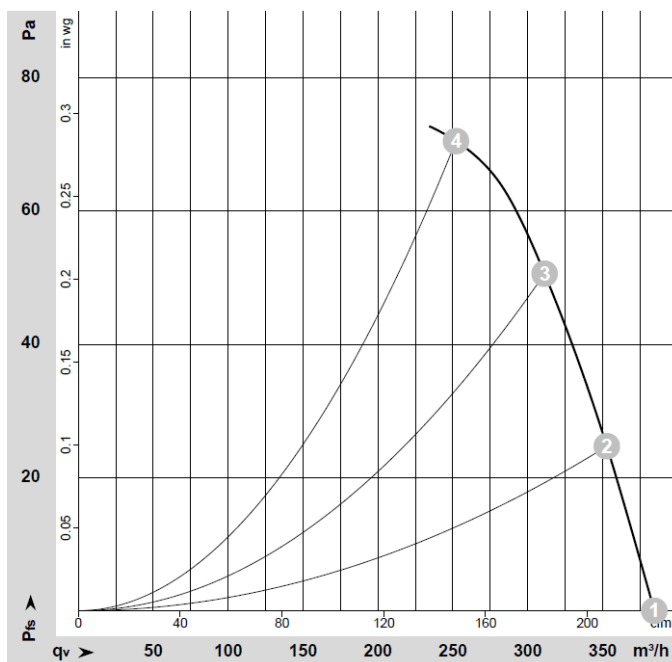
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	°C	kg
W2E142BB0101	M2E052-BA	230	50	325	2800	27	0,12	1/400	-	50	-25..+55	0,8
		230	60	385	3250	28	0,13	1/400	-	70	-25..+65	
Subject to modification										Guard grille		
Pricelist										9920036000		

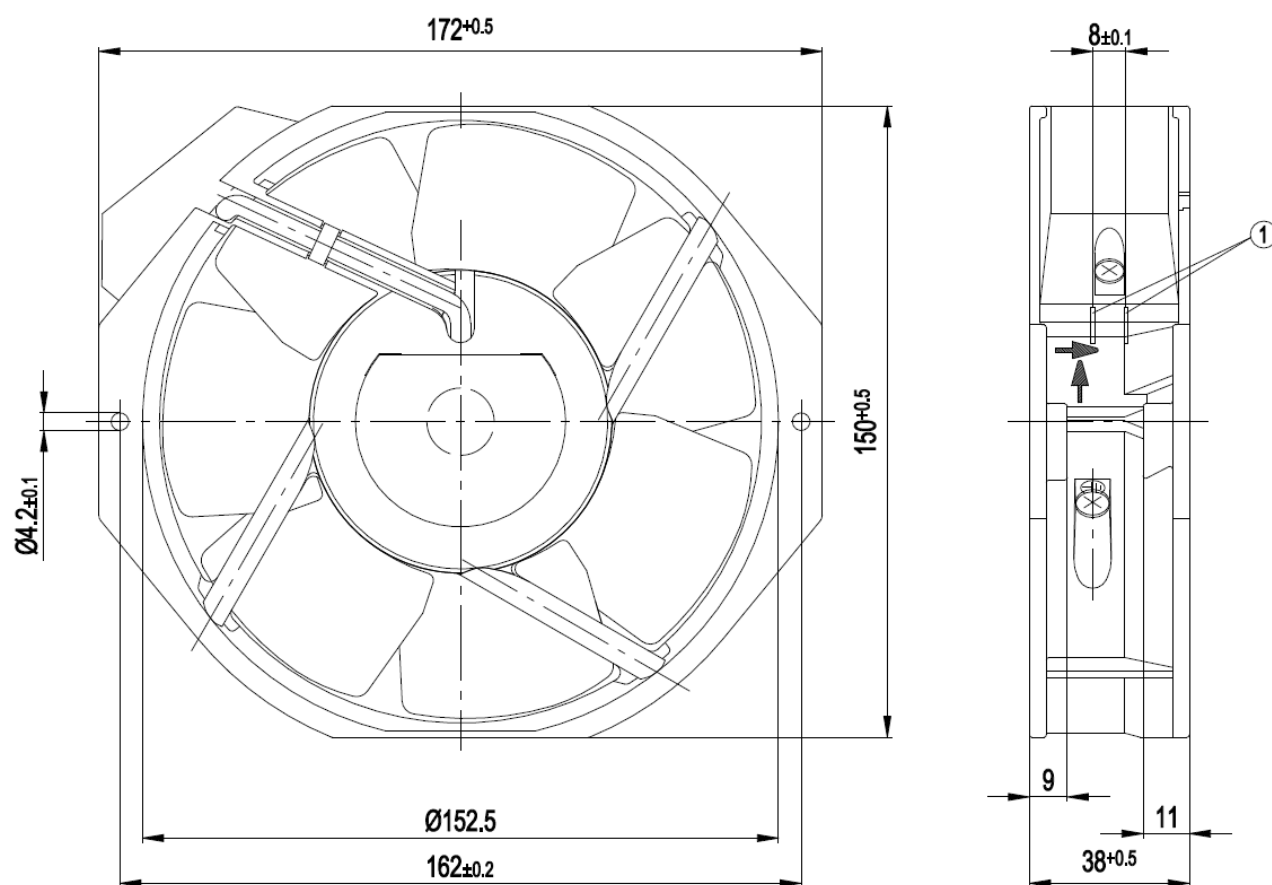
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz



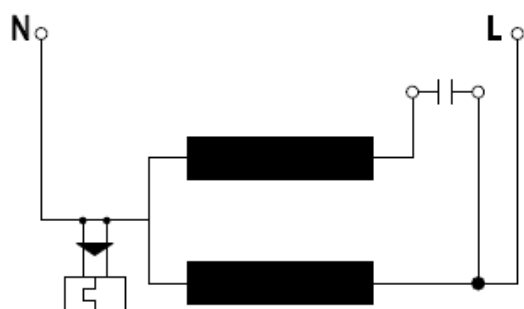
Drawing



1 2x flat plug 2.8 x 0.5 mm

Spare parts

Connection illustration



W2E143AB0901 - Size(mm): Ø172x51

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium, painted black
- Number of blades: 5

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP20
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: 2 flat plugs 2.8 x 0.5 mm

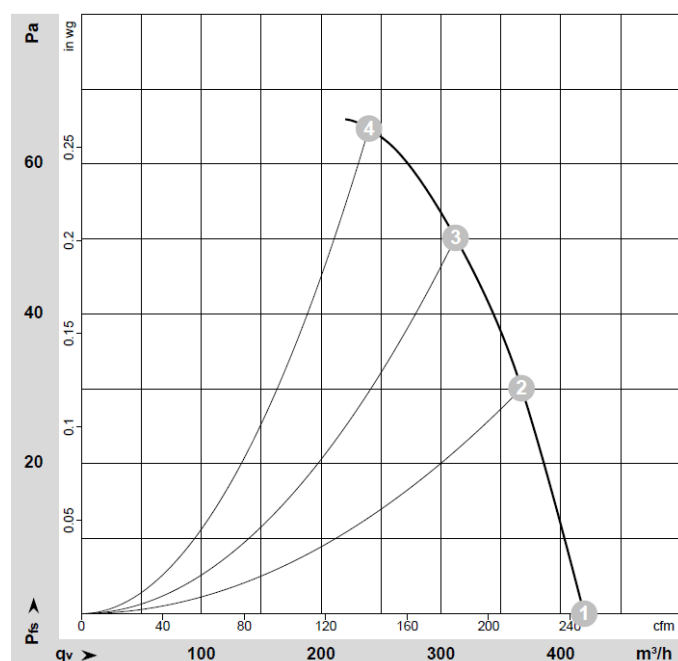
Conformity with standards

- Norm: EN 60335-1; CE

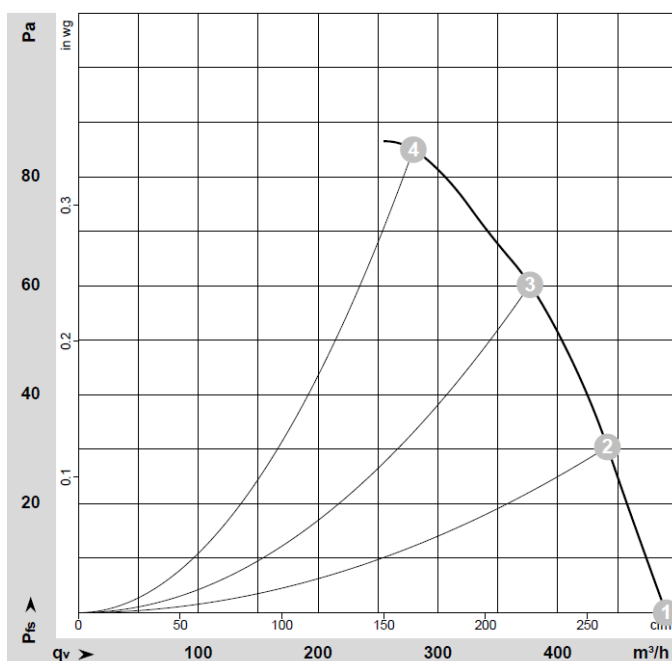
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	µF/V	dB(A)	Pa	C	kg
W2E143AB0901	M2E052-BF	230	50	420	2800	24	0,12	0,75/400	-	65	-25..+60	0,91
		230	60	490	3300	30	-	0,75/400	-	85	-25..+75	
Subject to modification										Guard grille		
Pricelist										9920036000		

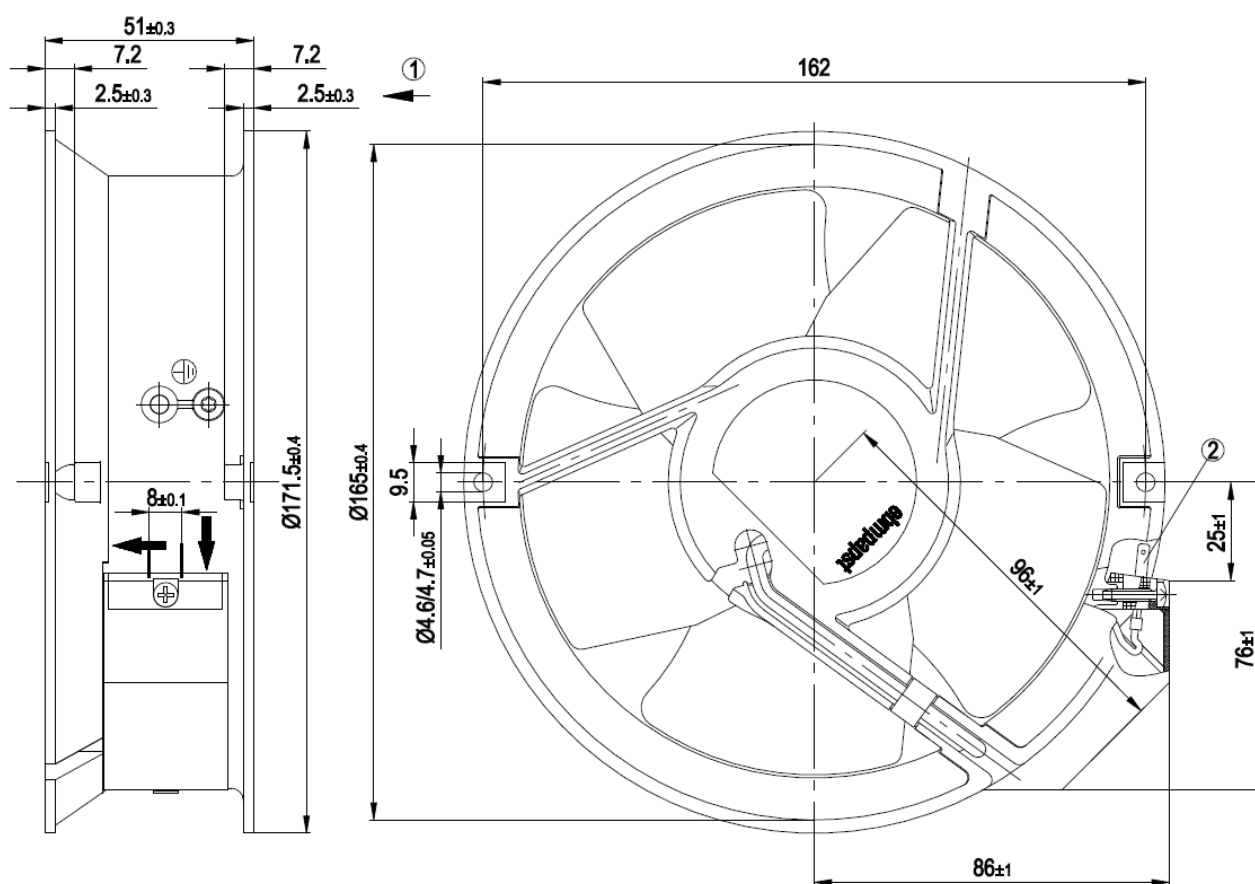
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz



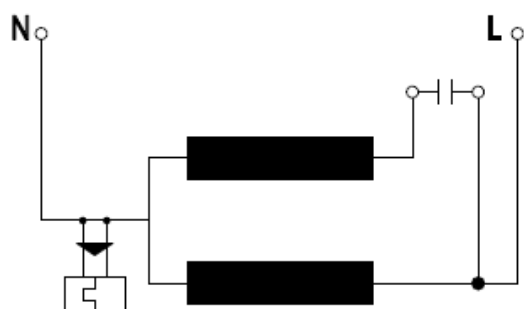
Drawing



- | | |
|---|---------------------------|
| 1 | Direction of air flow "V" |
| 2 | Flat plug 2.8 x 0.5 mm |

Spare parts

Connection illustration



W2E200HK3801 - Size(mm): 225x225x80

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP44
- Isolation: B
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable

Conformity with standards

- Norm: EN 60335-1; CE

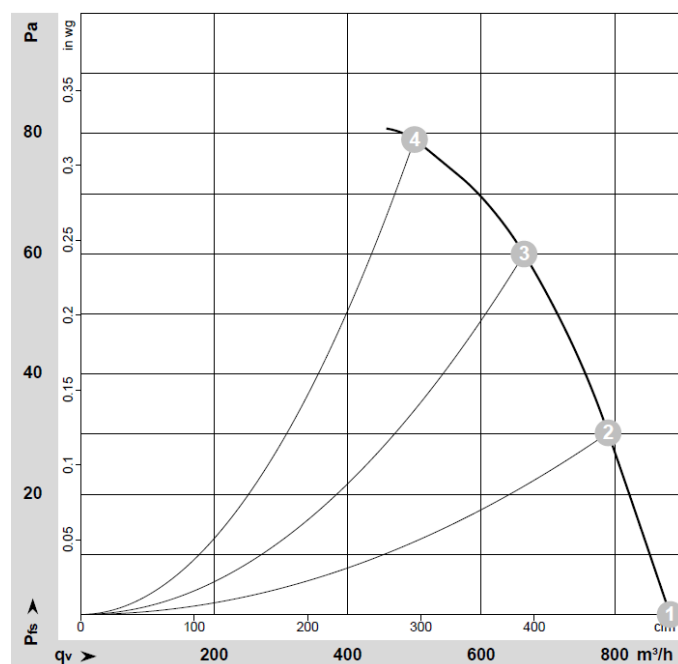
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W2E200HK3801	M2E068-BF	230	50	885	2550	64	0,29	1,5/450	58	80	-25..+60	2,1
		230	60	1005	2800	80	0,35	1,5/450	61	95	-25..+65	

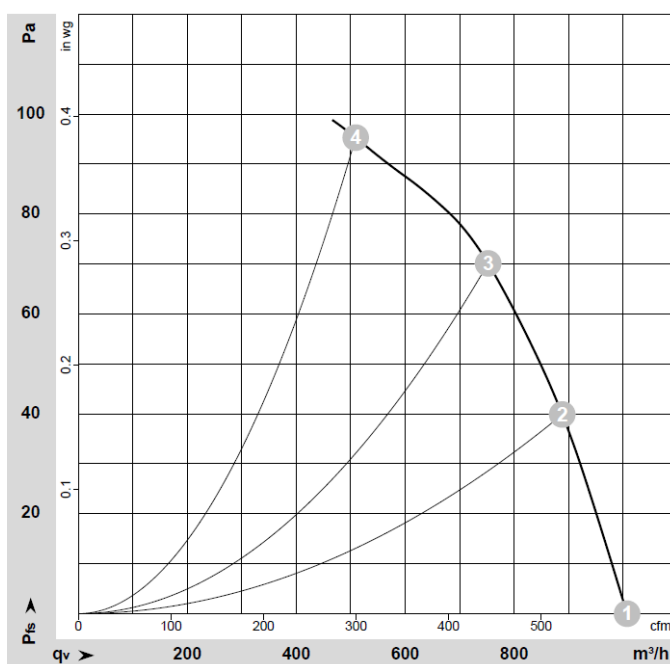
Subject to modification

[Pricelist](#)

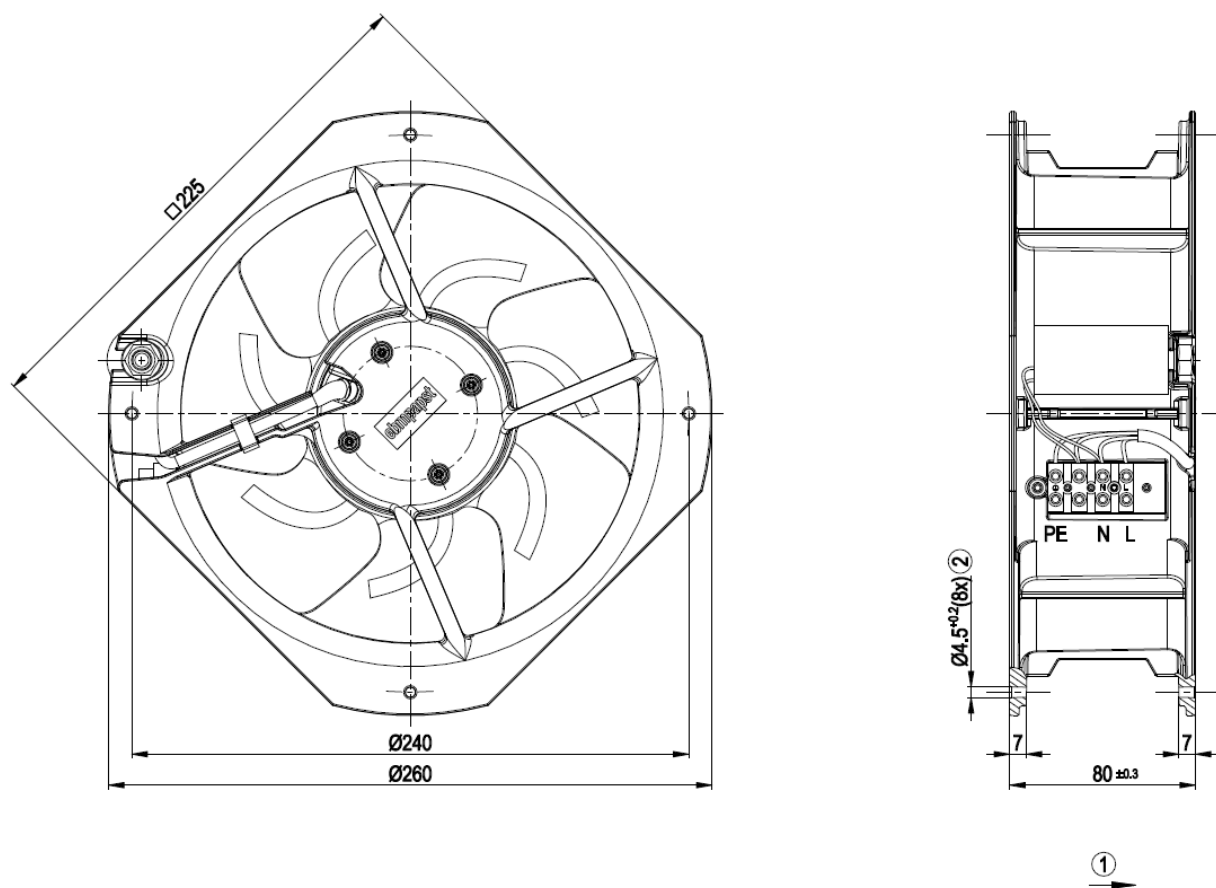
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

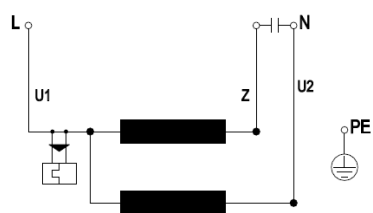


Drawing



- | | |
|---|----------------------------|
| 1 | Direction of air flow "V" |
| 2 | For self-tapping M5 screws |

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				

W2E250HL0619 - Size(mm): 280x280x80

AC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Sheet steel, painted black
- Housing: Die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP44
- Isolation: F
- Mounting position: Any
- Mode of operation: Continuous (S1)
- Bearings: Ball bearing
- Motor protection: Thermal Overload Protector (TOP) - wired internally
- Cable: Variable

Conformity with standards

- Norm: EN 60335-1; CE; UL available

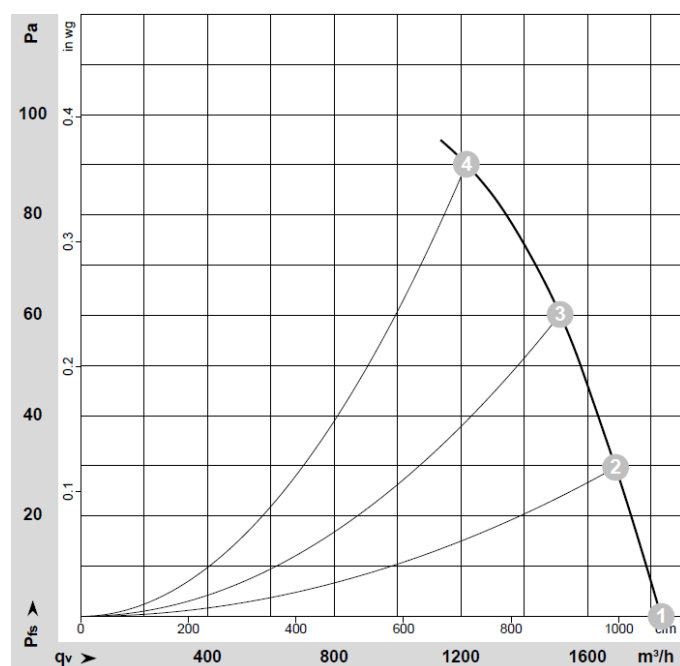
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data		Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Capacitor capacity	Sound pressure level	Max. Back pressure	Perm. ambient temp.	Weight
Type	Motor	VAC	Hz	m3/h	rpm	W	A	μF/V	dB(A)	Pa	°C	kg
W2E250HL0619	M2E068-CF	230	50	1835	2450	115	0,51	3/400	-	90	-25..+75	2,0
		230	60	1910	2600	150	0,66	3/400	-	75	-25..+60	

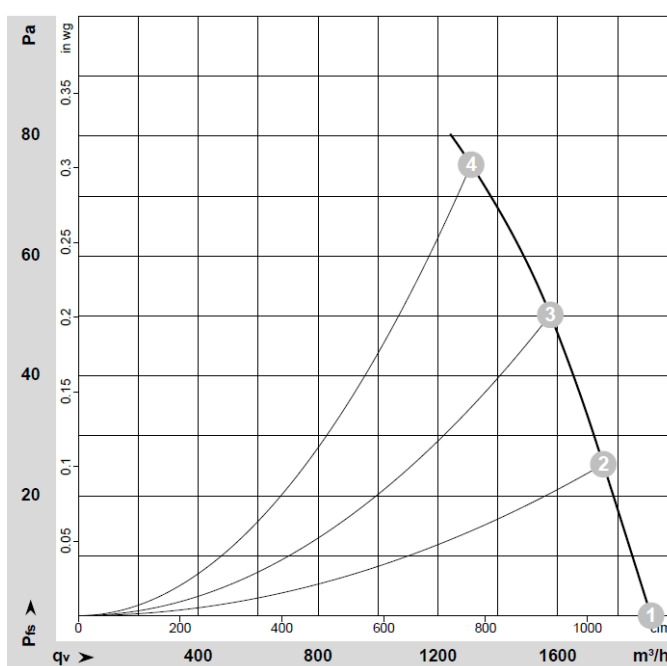
Subject to modification

[Pricelist](#)

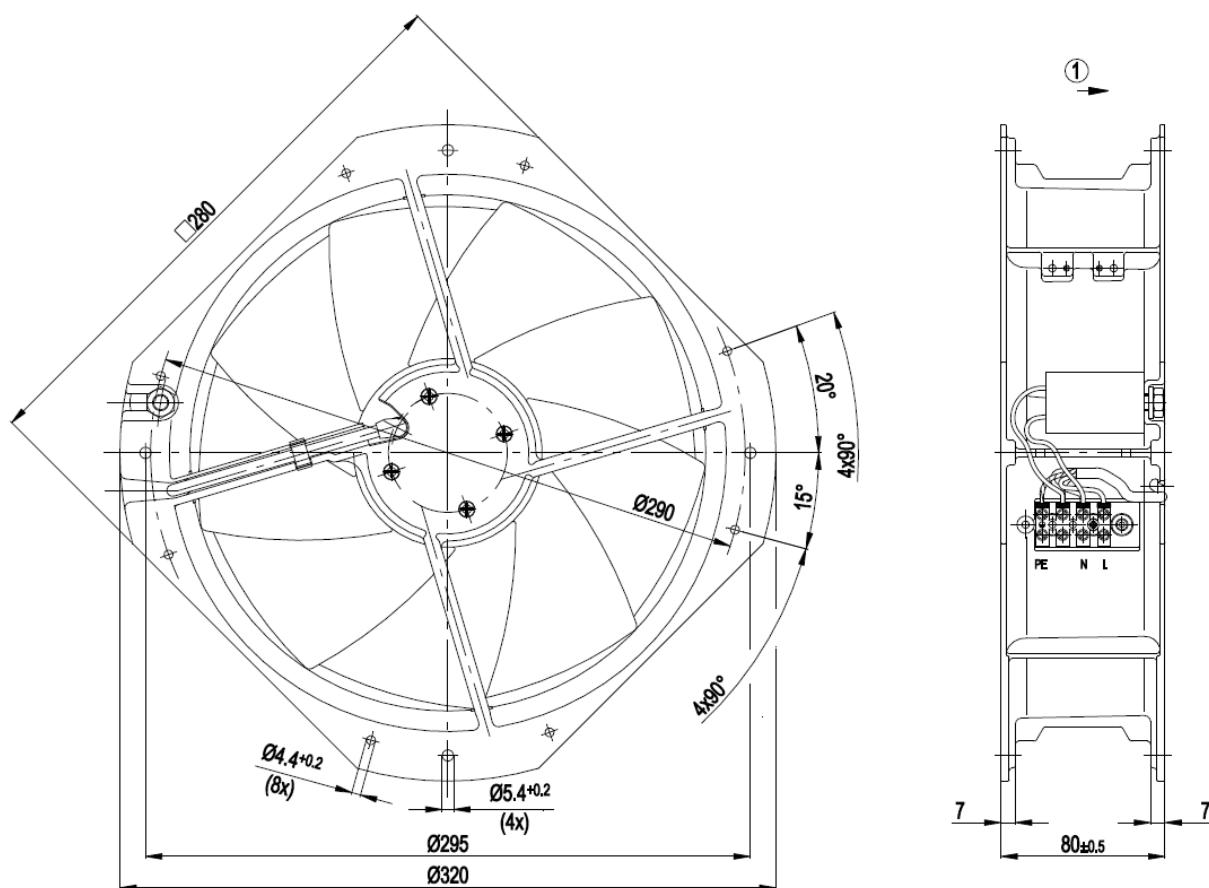
Pressure over air flow at 50Hz



Pressure over air flow at 60Hz

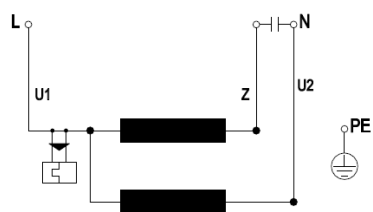


Drawing



1 Direction of air flow "V"

Connection illustration



U1	blue	Z	brown	U2	black
PE	green/yellow				



DC compact fans

ebmpapst

engineering a better life

412 - Size(mm): 40x40x20

DC compact fans



Back to product overview:



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 28, TR 64, stripped and tin-plated

Conformity with standards

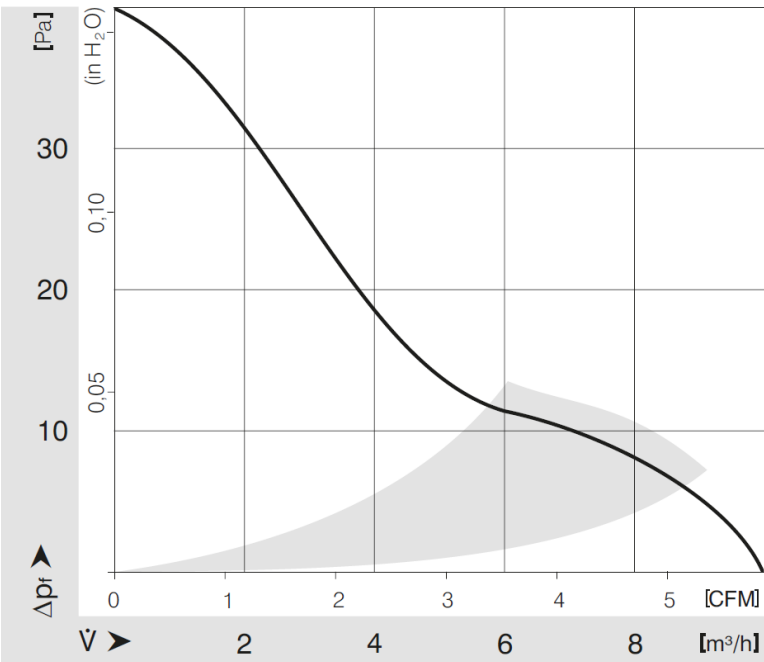
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

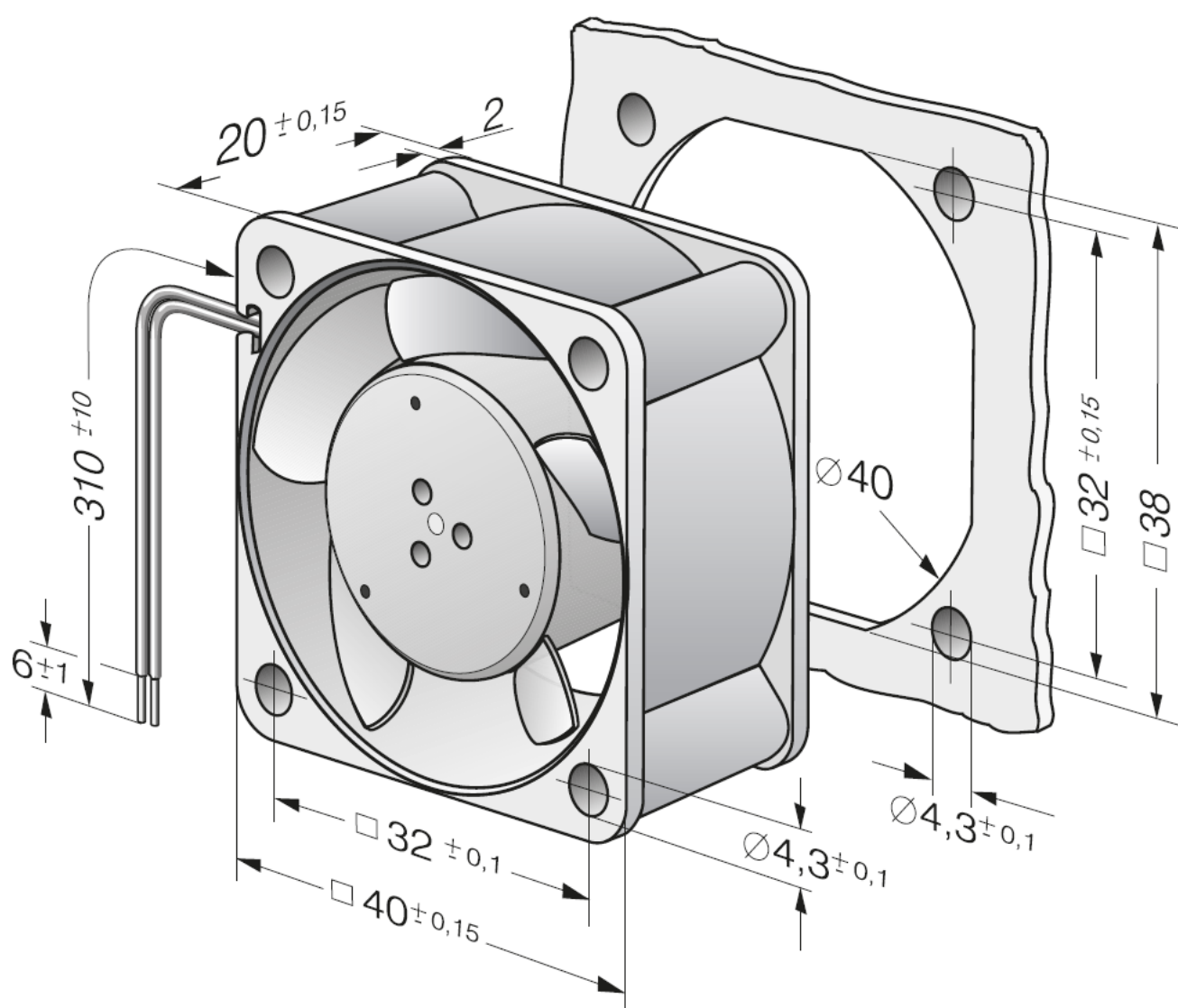
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 20 C	Service life 60 C	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9291708001	12	10	6000	0,8	sleeve	18	50000	20000	-20..+70	0,027

Pricelist

Curves: Air performance



Drawing



414 - Size(mm): 40x40x20

DC compact fans



Back to product overview:



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 28, TR 64, stripped and tin-plated

Conformity with standards

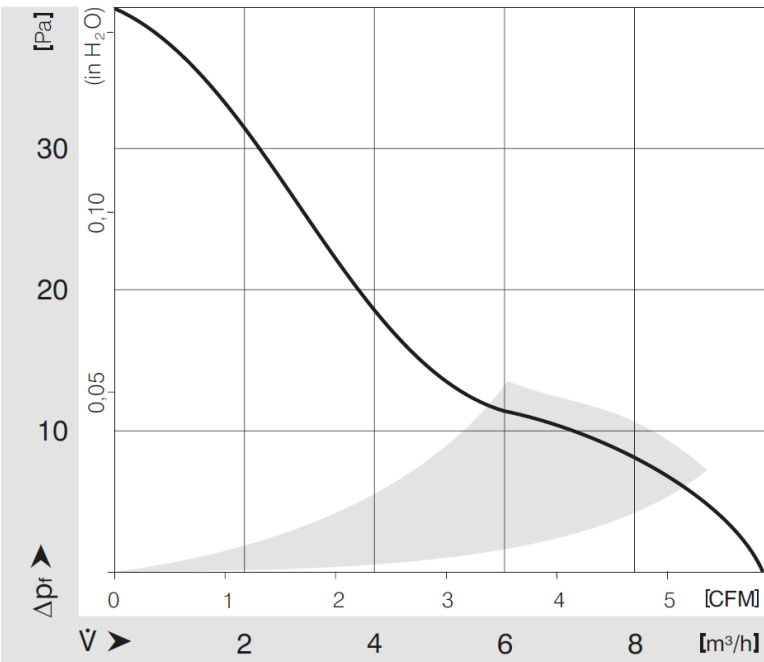
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

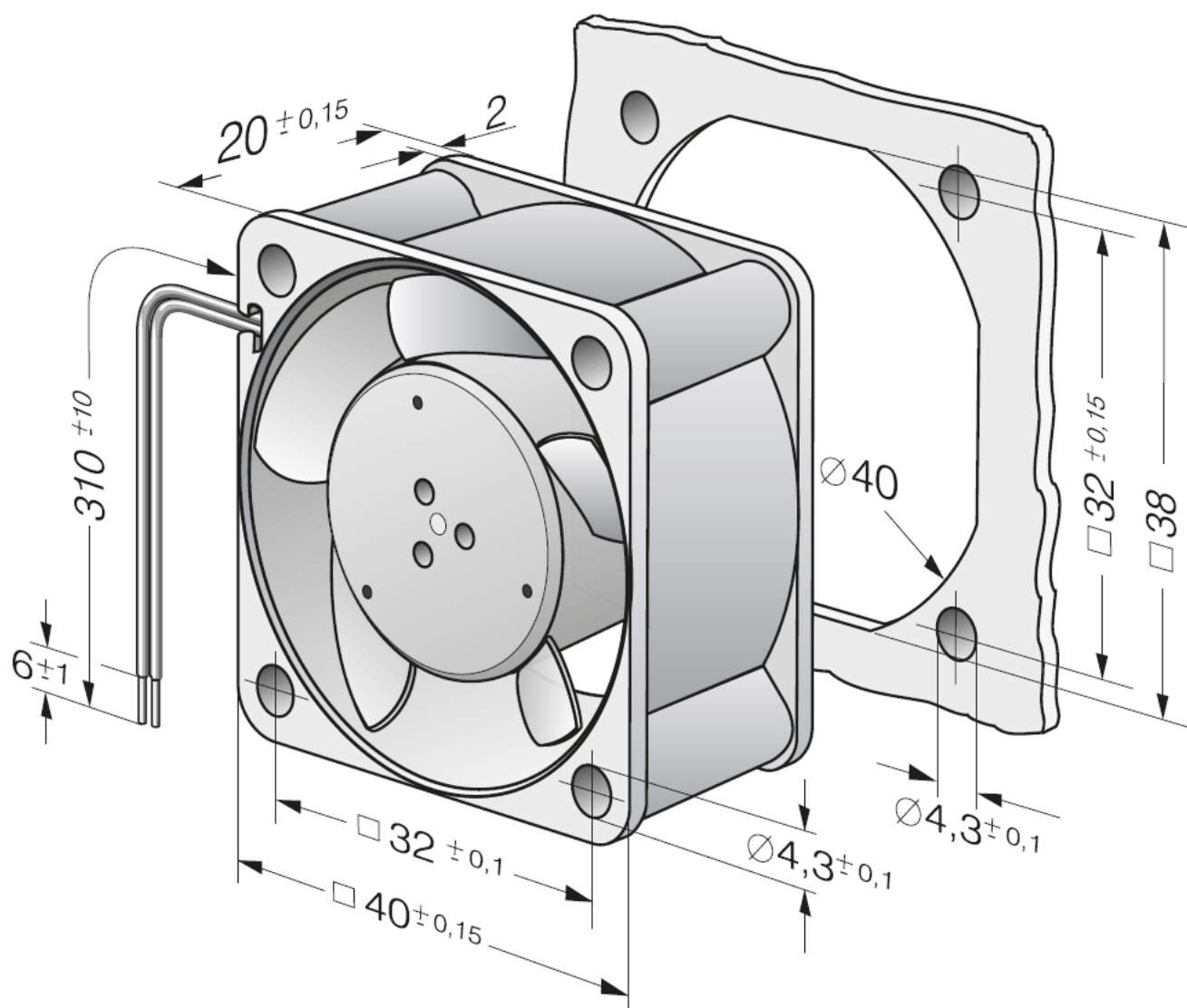
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 20 C	Service life 60 C	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9291708002	24	10	6000	1,0	sleeve	18	50000	20000	-20..+70	0,027

Pricelist

Curves: Air performance



Drawing



Spare parts

612 NGMLE - Size(mm): 60x60x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP54 / IP68
- Bearings: Sintec sleeve bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 22, TR 64, stripped and tin-plated

Conformity with standards

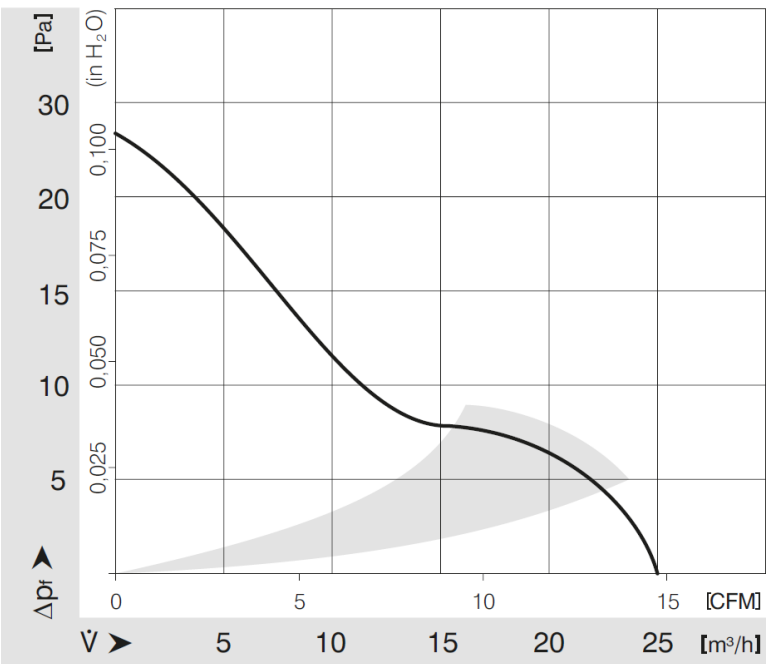
- Norm: IEC 60038

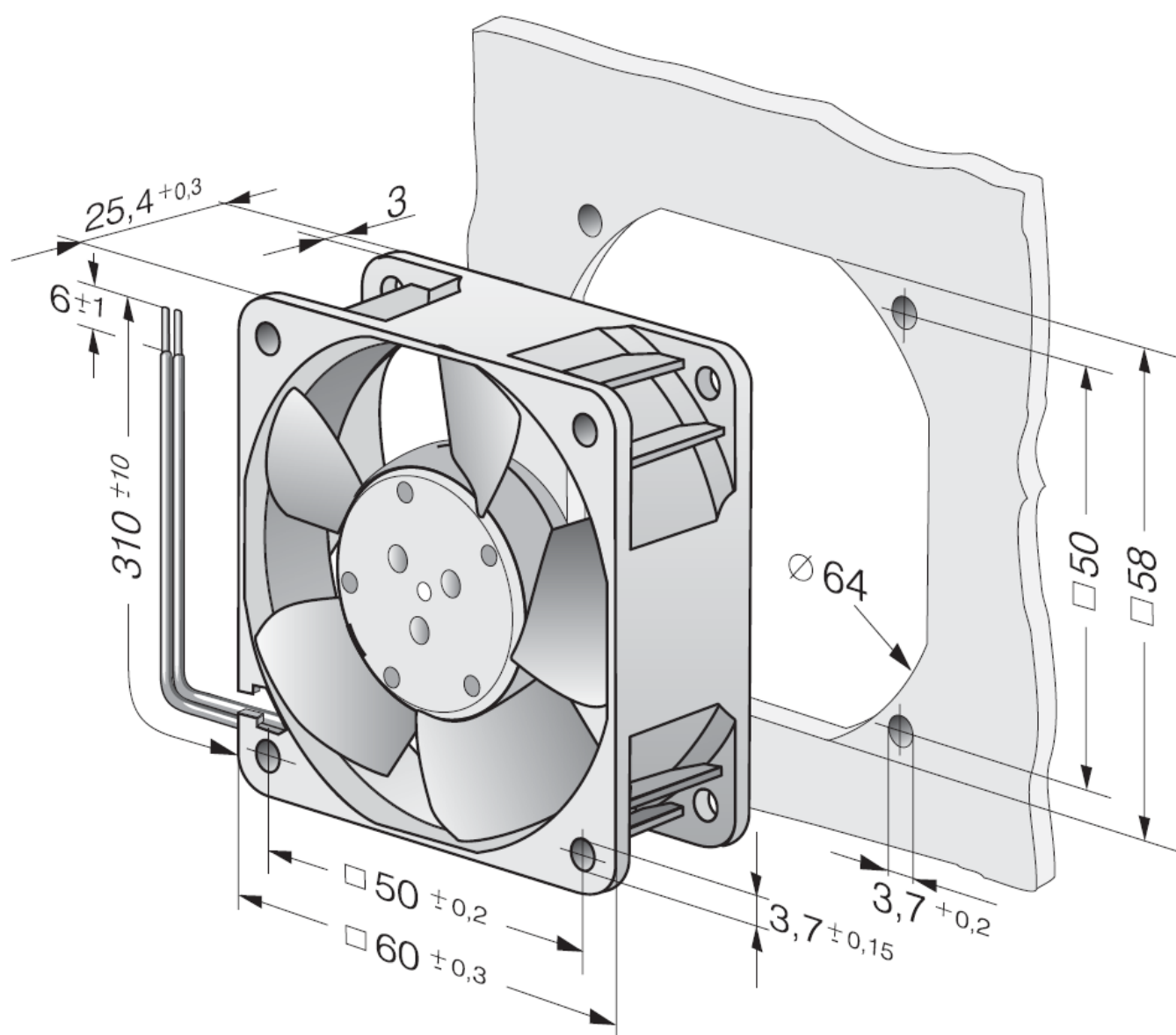
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9292206172	12	25	3000	0,7	sleeve	19	80000	32500	-20..+80	0,066

Pricelist	Guard grille 9920028001
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Curves: Air performance





614 NH - Size(mm): 60x60x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 22, TR 64, stripped and tin-plated

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

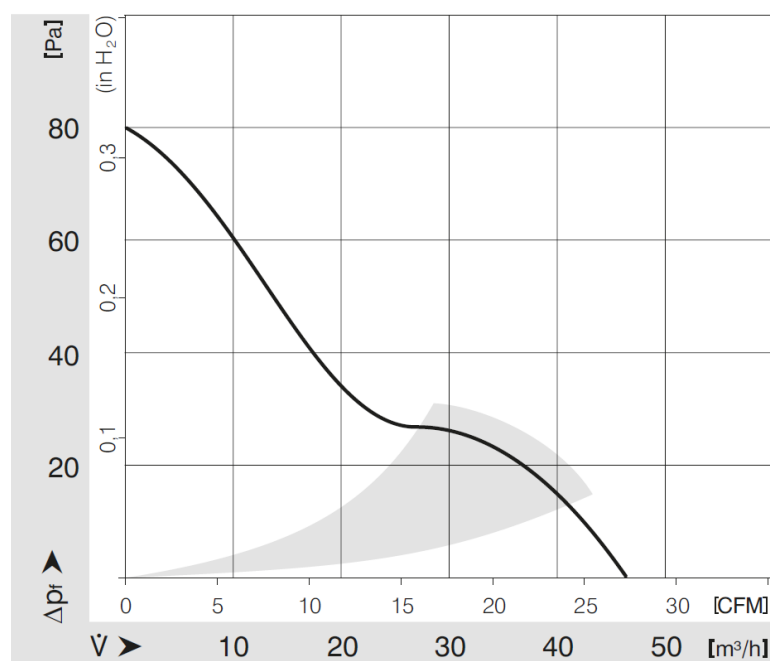
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9272206072	24	43	5600	2,1	ball	37	70000	35000	-20..+70	0,066

[Pricelist](#)

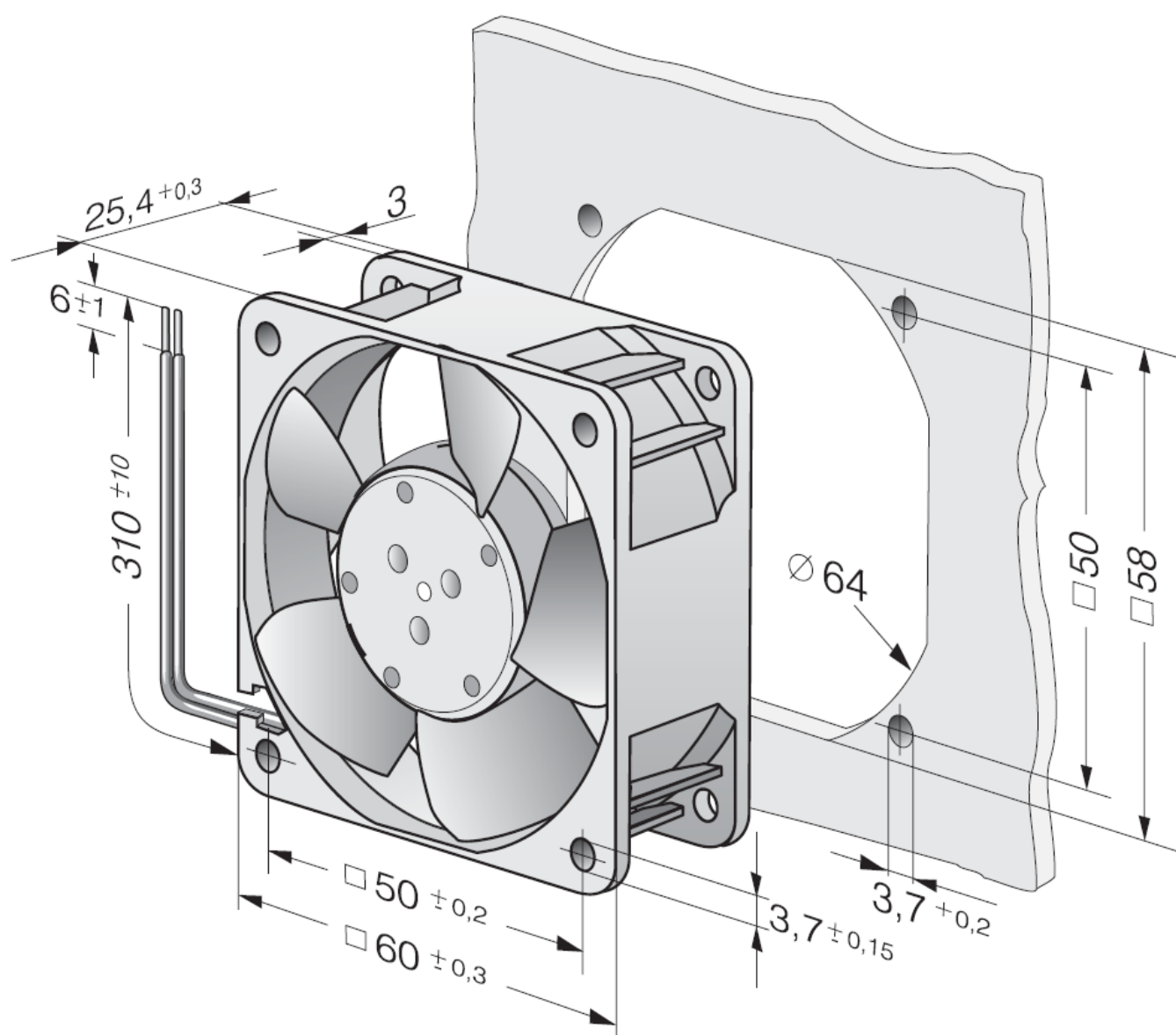
Guard grille

[9920028001](#)

Curves: Air performance



Drawing



Spare parts

614 NHH - Size(mm): 60x60x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 22, TR 64, stripped and tin-plated

Conformity with standards

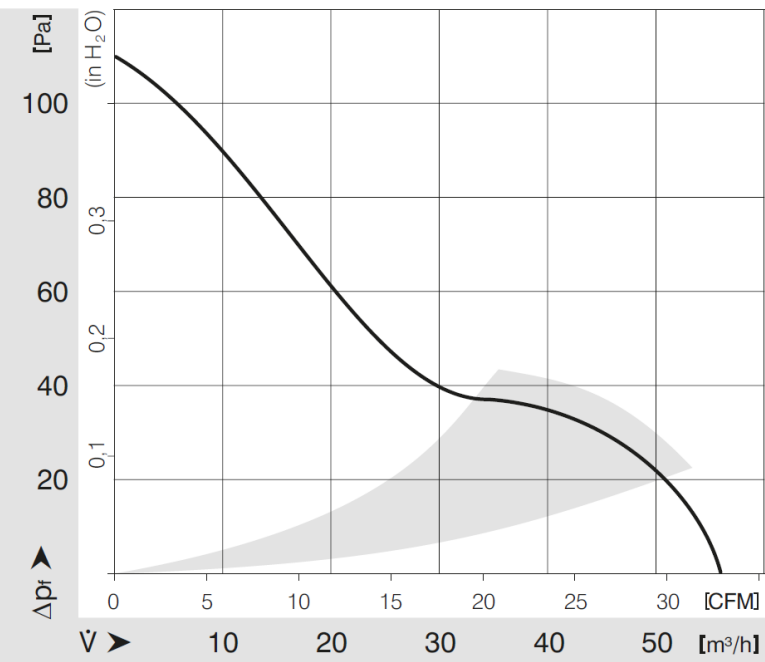
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

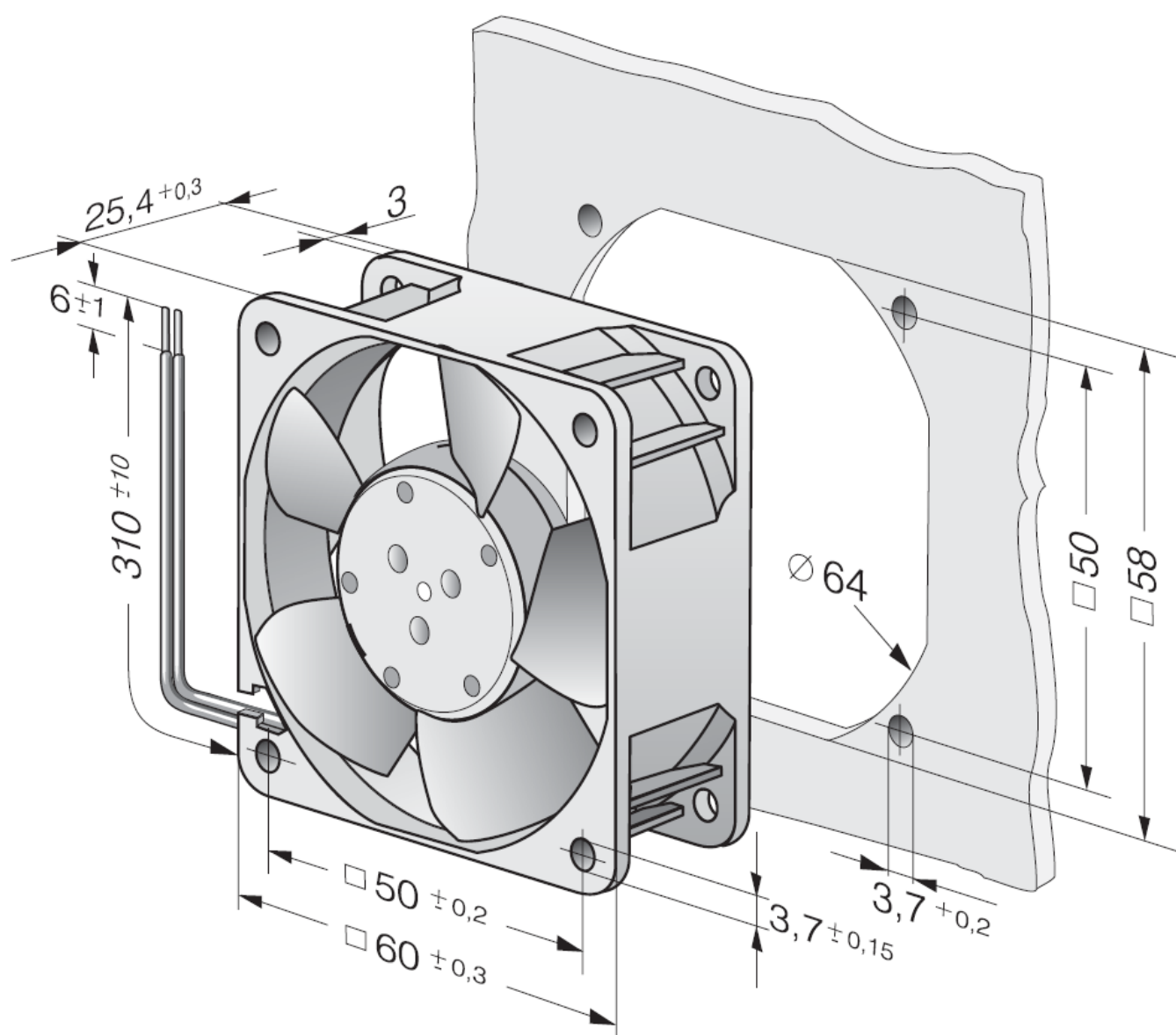
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9292206033	24	56	6850	2,9	ball	41	60000	30000	-20..+70	0,066

Pricelist	Guard grille 9920028001
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Curves: Air performance



Drawing



Spare parts

8412 N - Size(mm): 80x80x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

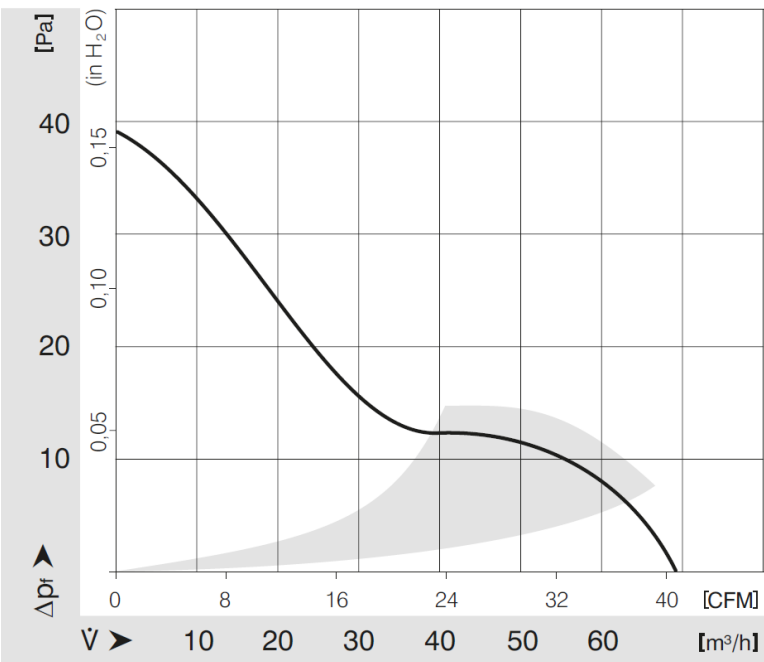
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

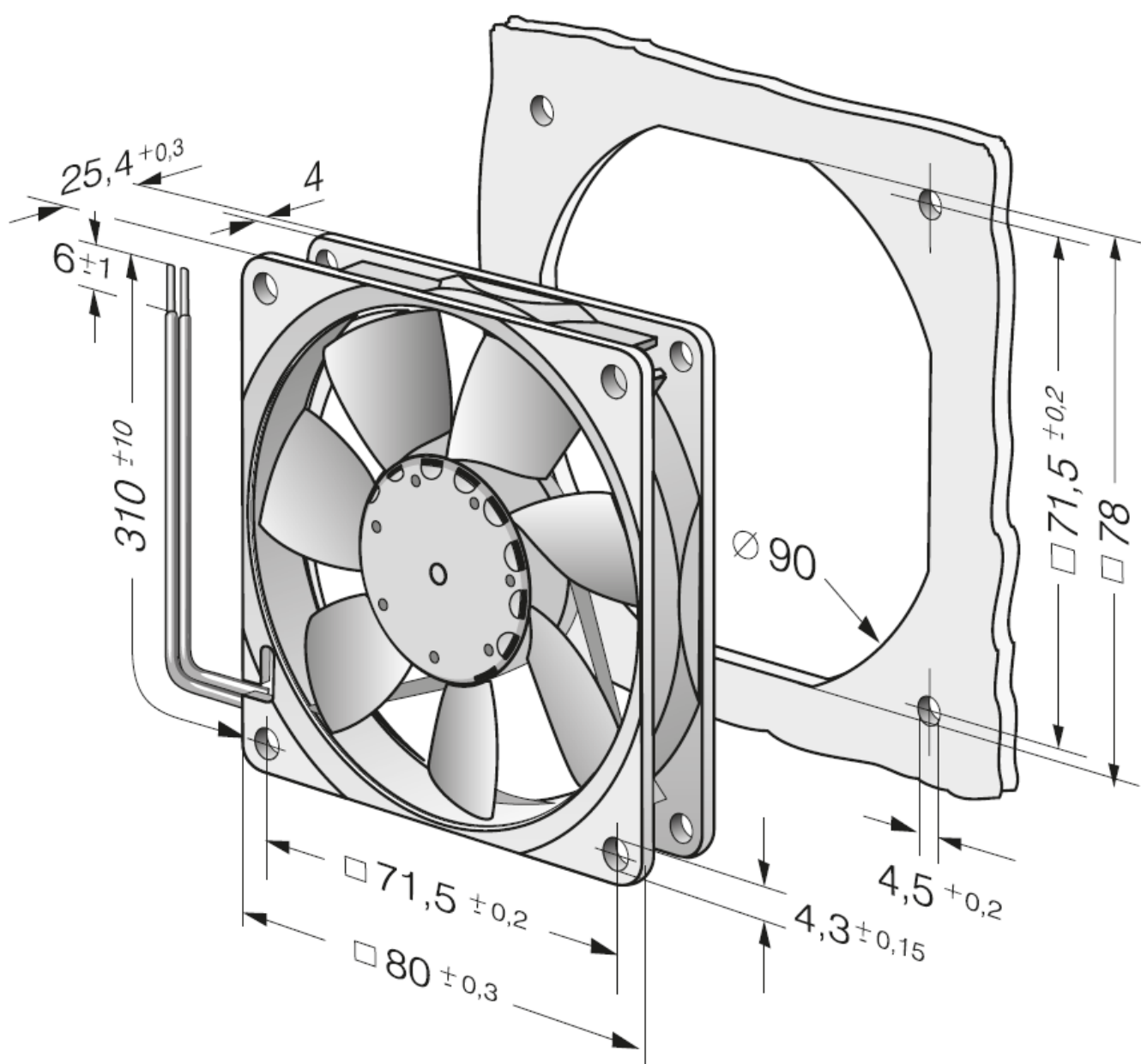
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9292506125	12	69	3100	1,7	ball	32	70000	35000	-20..+70	0,095

Pricelist	Guard grille 9920032004
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Curves: Air performance



Drawing



Spare parts

8414 N - Size(mm): 80x80x25

DC compact fans



Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Back to product overview:



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

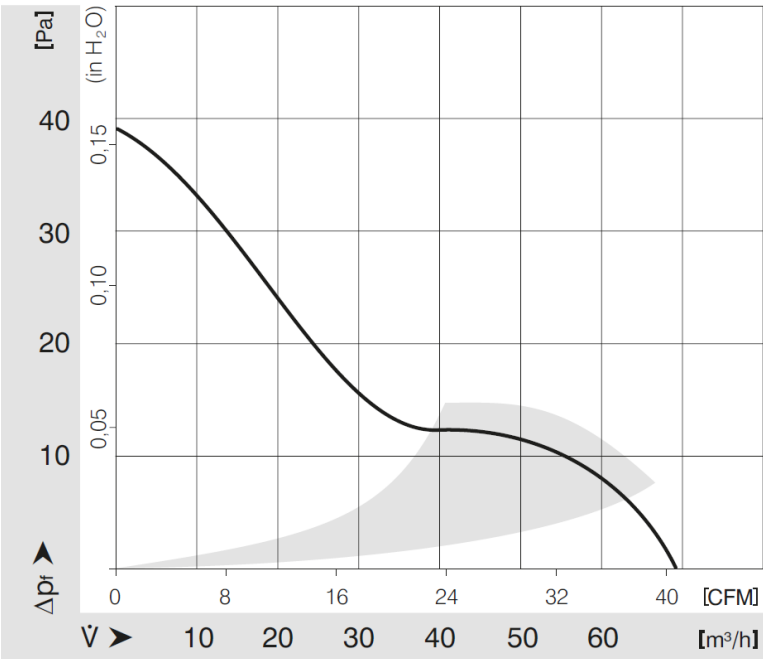
Conformity with standards

- Norm: IEC 60038

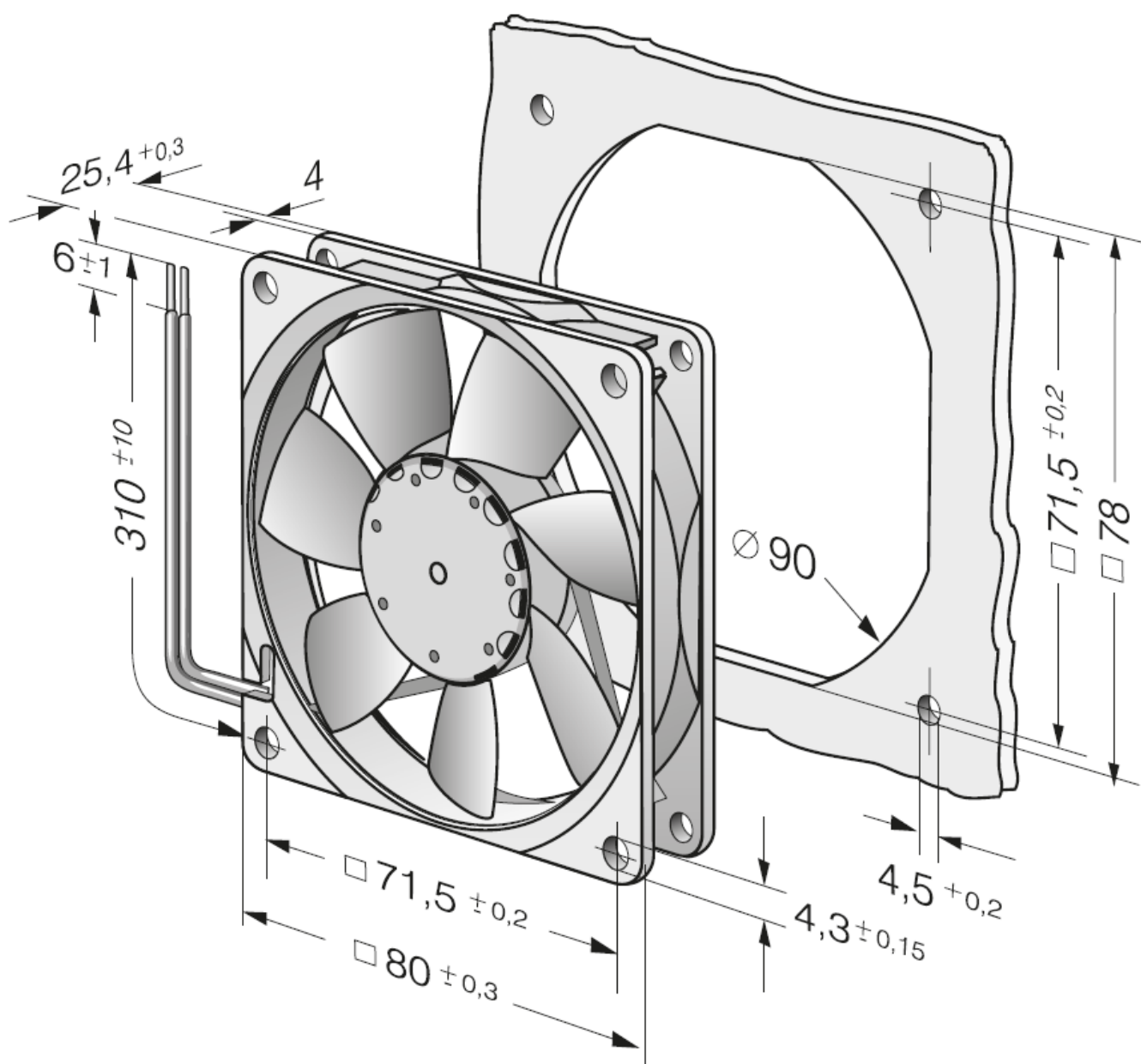
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9292506126	24	69	3100	1,8	ball	32	70000	35000	-20..+70	0,095

Pricelist	Guard grille 9920032004
---------------------------	---

Curves: Air performance



Drawing



Spare parts

8414 NH - Size(mm): 80x80x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

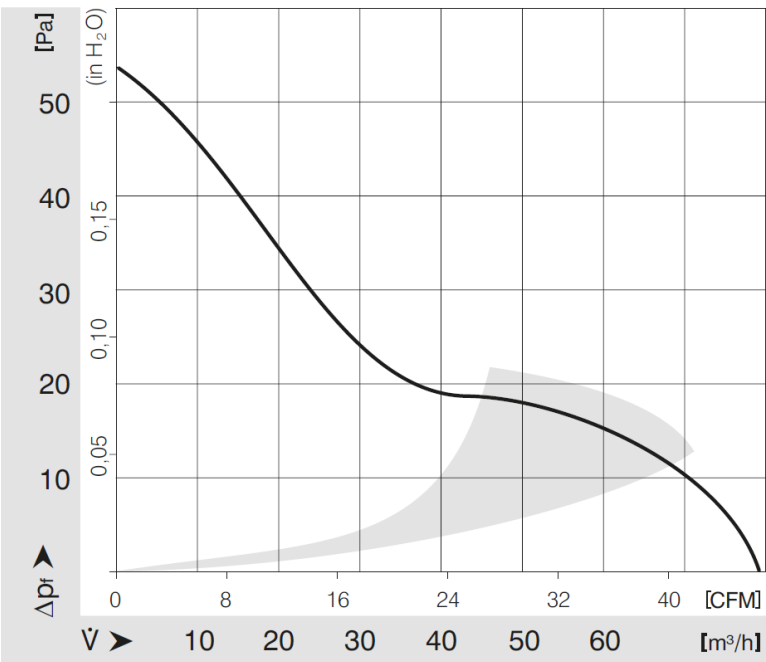
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

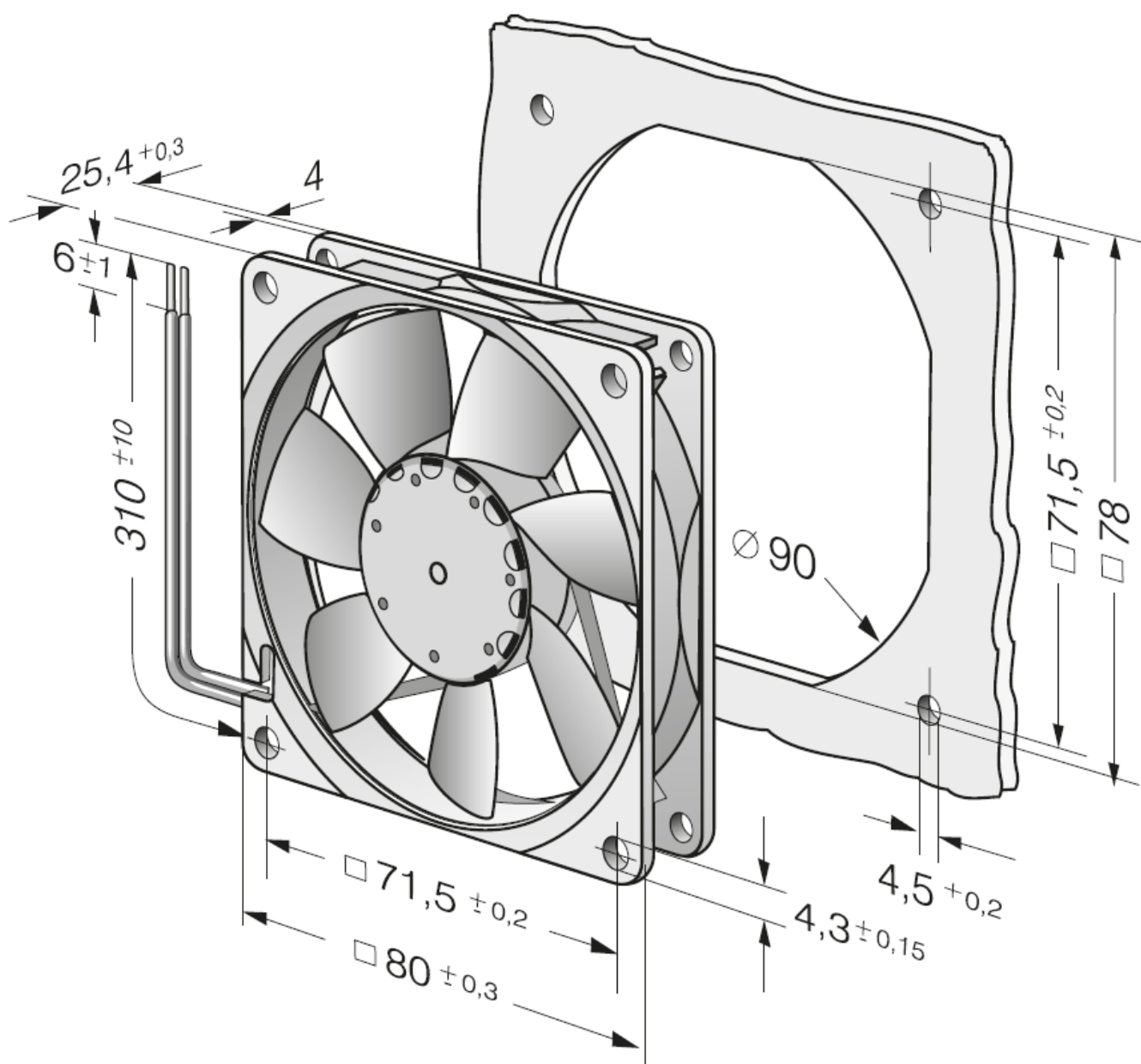
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9292506124	24	79	3600	2,4	ball	37	70000	35000	-20..+70	0,095

Pricelist	Guard grille 9920032004
---------------------------	---

Curves: Air performance



Drawing



Spare parts

8414 NGH - Size(mm): 80x80x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

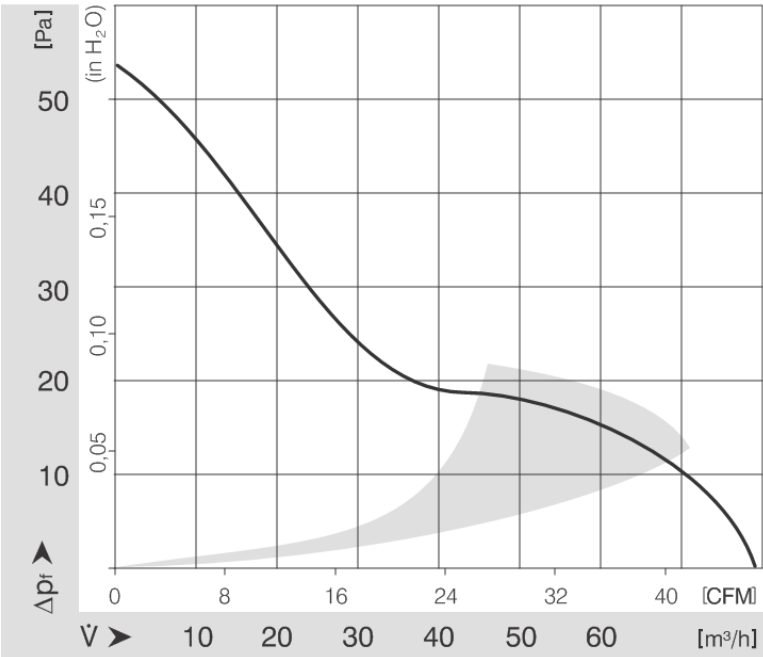
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

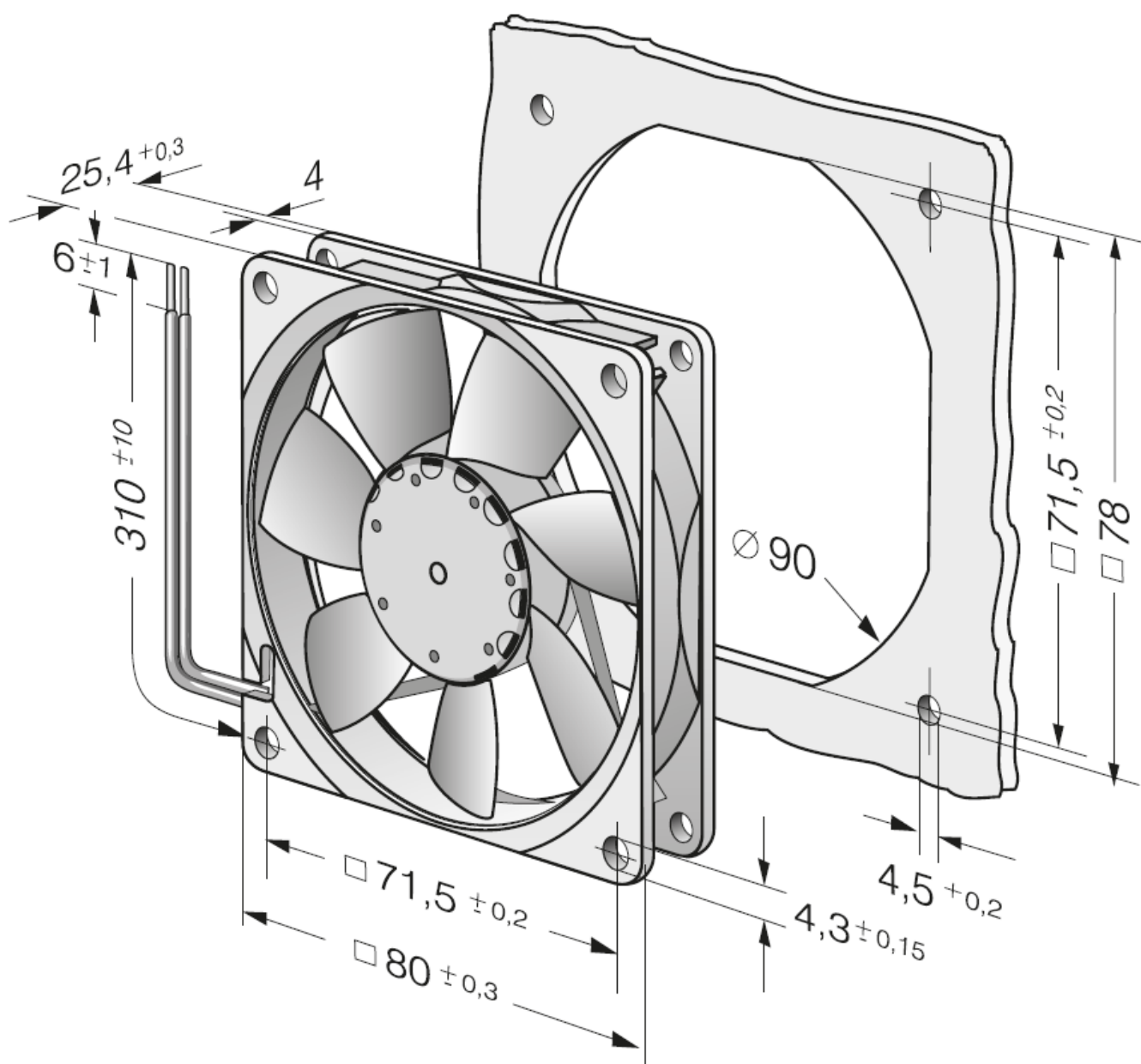
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 °C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	°C	kg
9292506110	24	79	3600	2,8	sleeve	37	70000	35000	-20..+70	0,095

Pricelist	Guard grille 9920032004
---------------------------	---

Curves: Air performance



Drawing



3414 NHH - Size(mm): 92x92x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

- Norm: IEC 60038

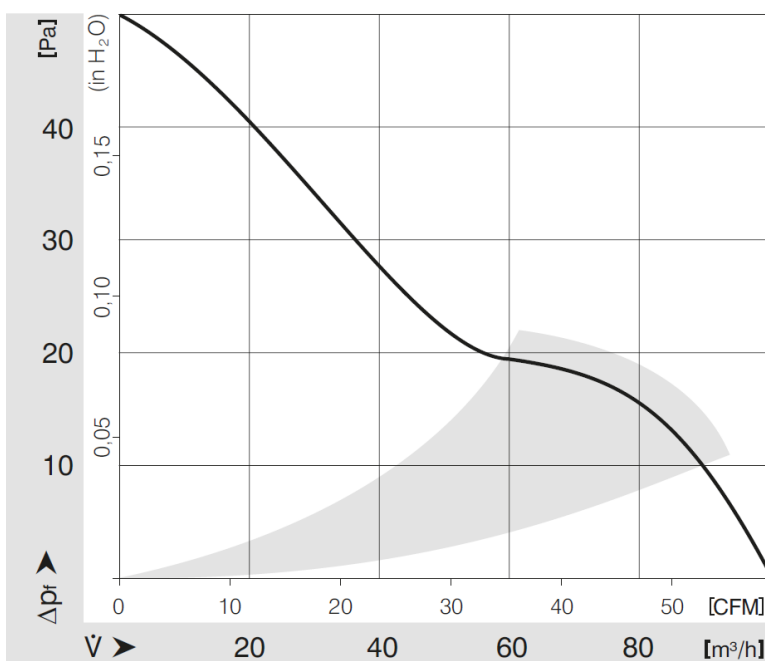
Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9292506320	24	102	3250	3,1	ball	39	70000	35000	-20..+70	0,1

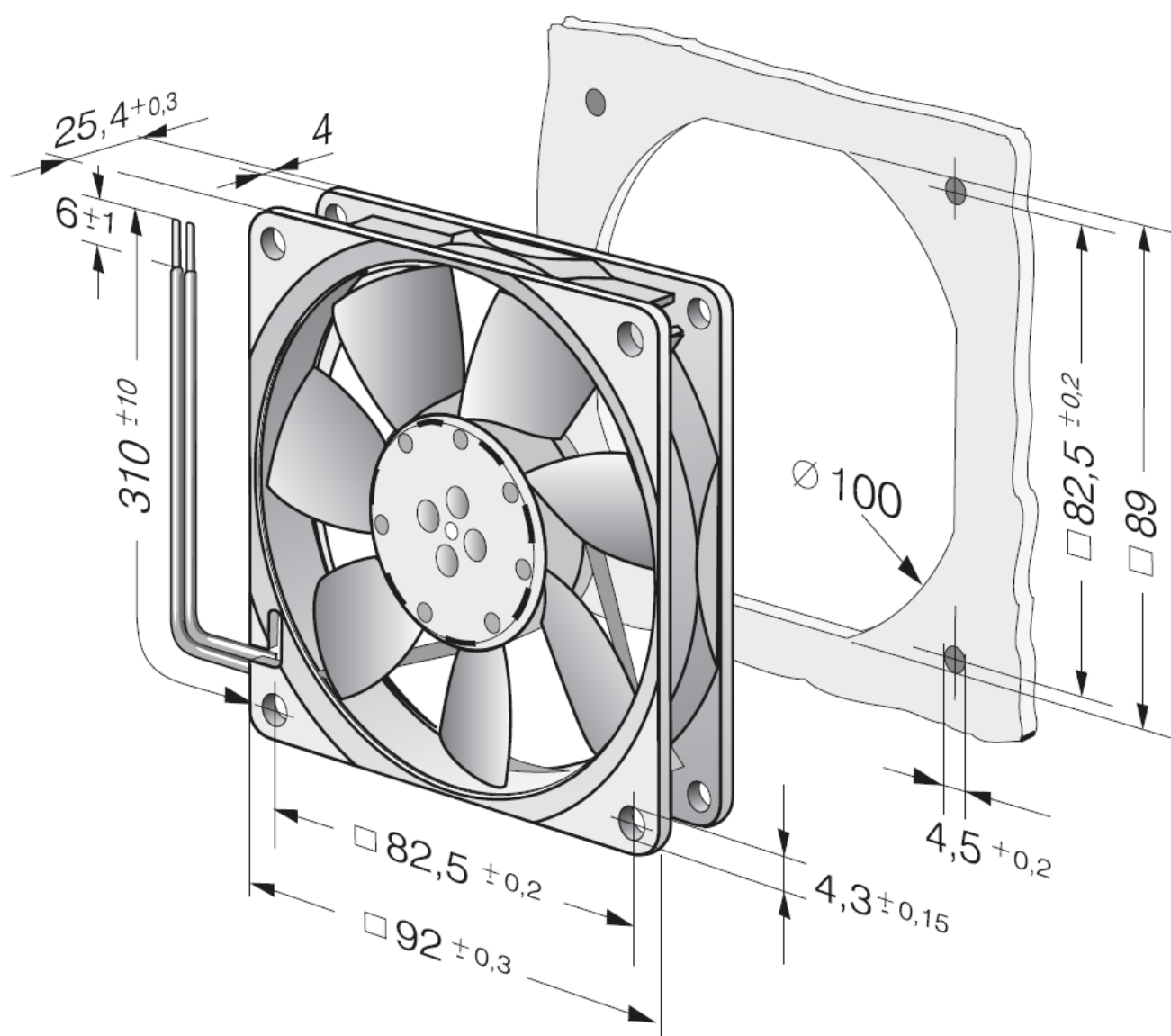
[Pricelist](#)

Guard grille
[9920023001](#)

Curves: Air performance



Drawing



4412 FGML - Size(mm): 119x119x25

DC compact fans



Back to product overview:



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

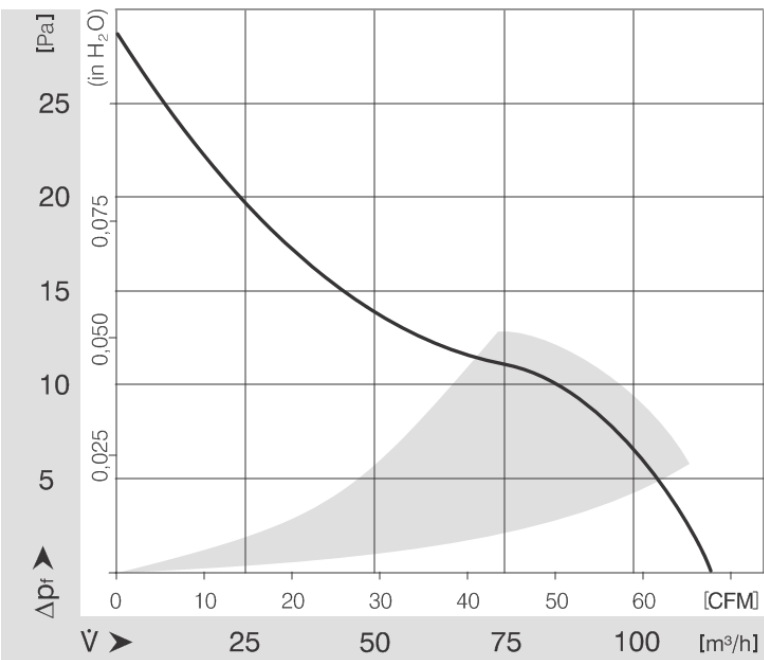
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

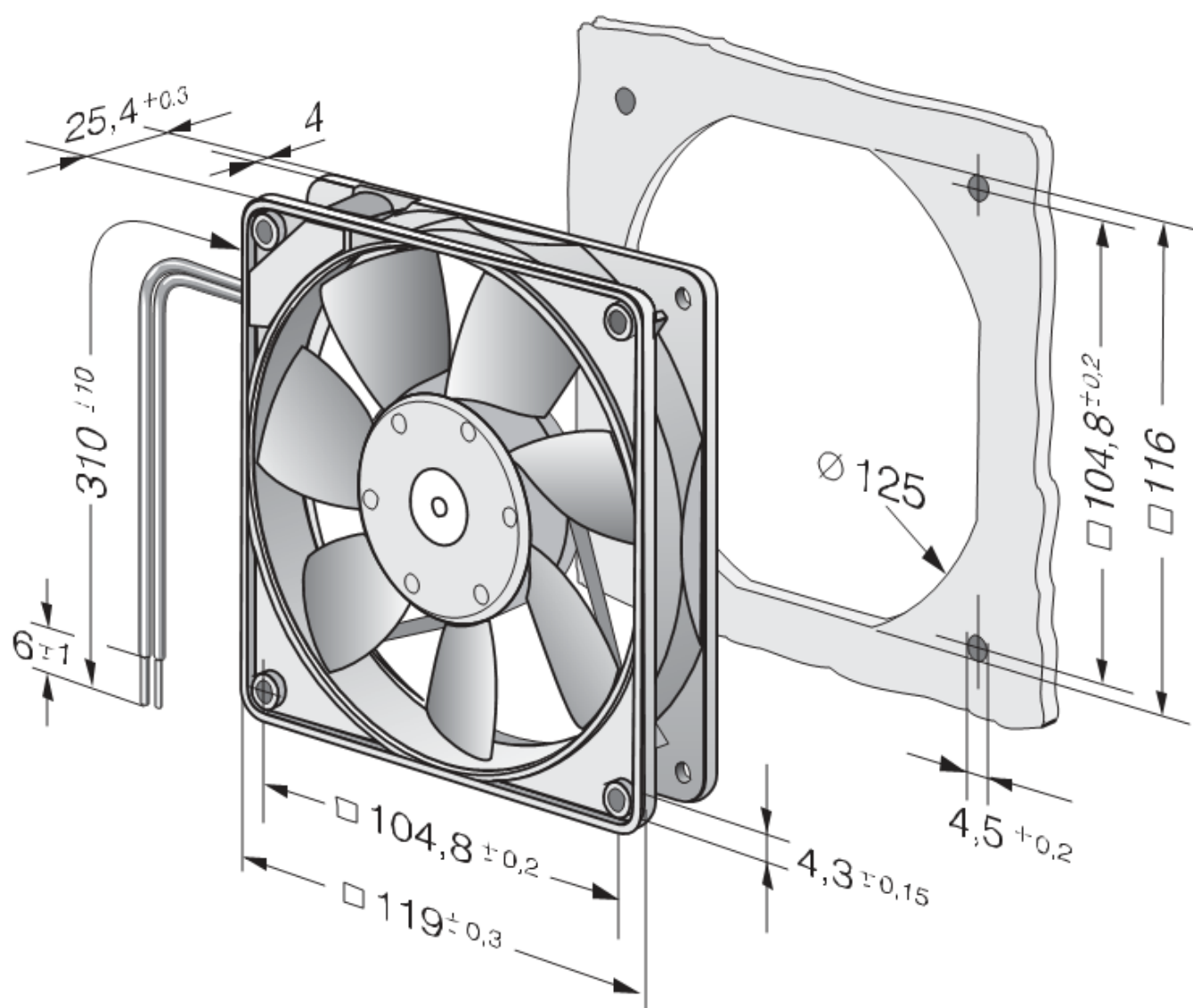
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9293505434	12	114	1950	2	sleeve	32	75000	30000	-20..+75	0,17

Pricelist	Fan filter 9920340004	Guard grille 9920030004
---------------------------	--	--

Curves: Air performance



Drawing



Spare parts

4412 FG - Size(mm): 119x119x25

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Sintec sleeve bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

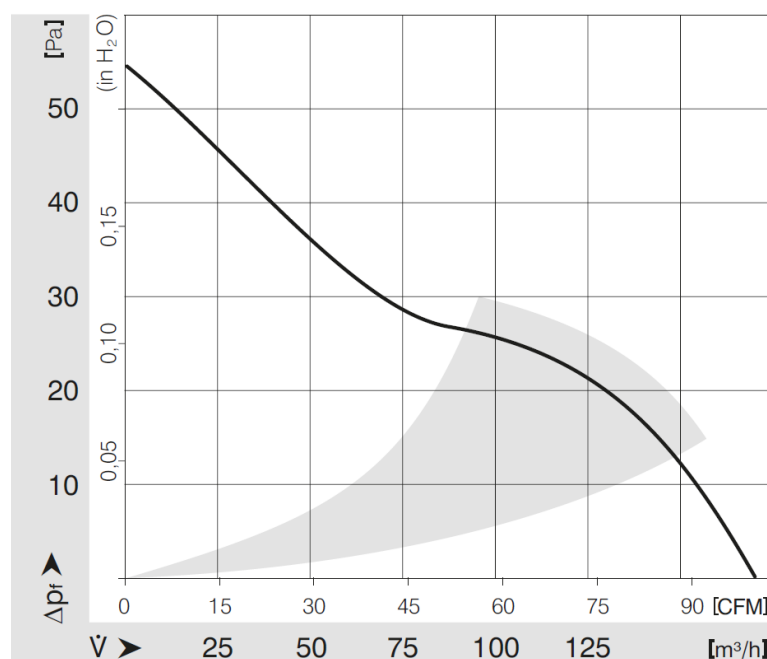
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9293505446	12	170	2900	5,3	sleeve	43	60000	37500	-20..+70	0,17

[Pricelist](#)

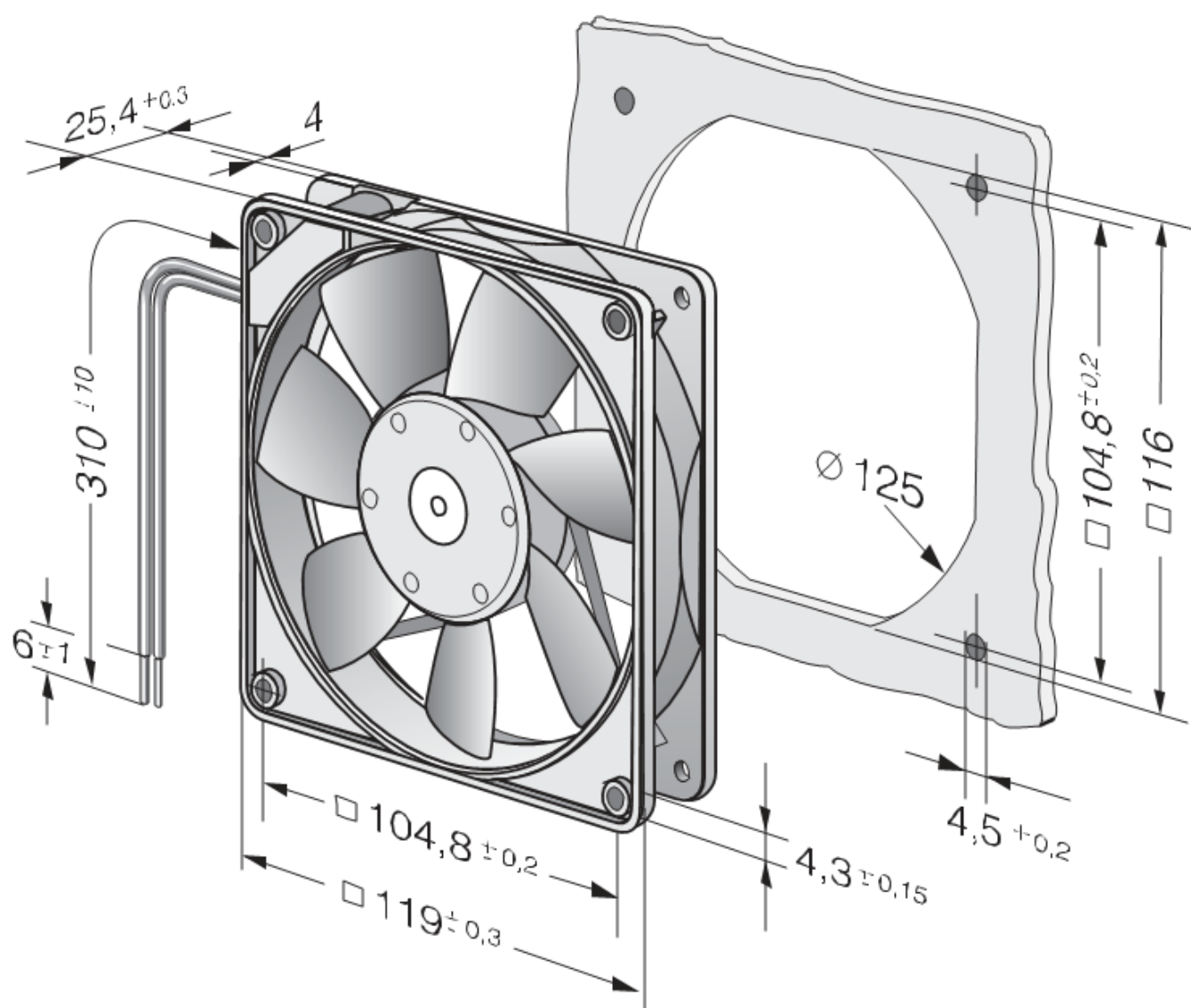
Fan filter
[9920340004](#)

Guard grille
[9920030004](#)

Curves: Air performance



Drawing



Spare parts

4414 F - Size(mm): 119x119x25

DC compact fans



Back to product overview:



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

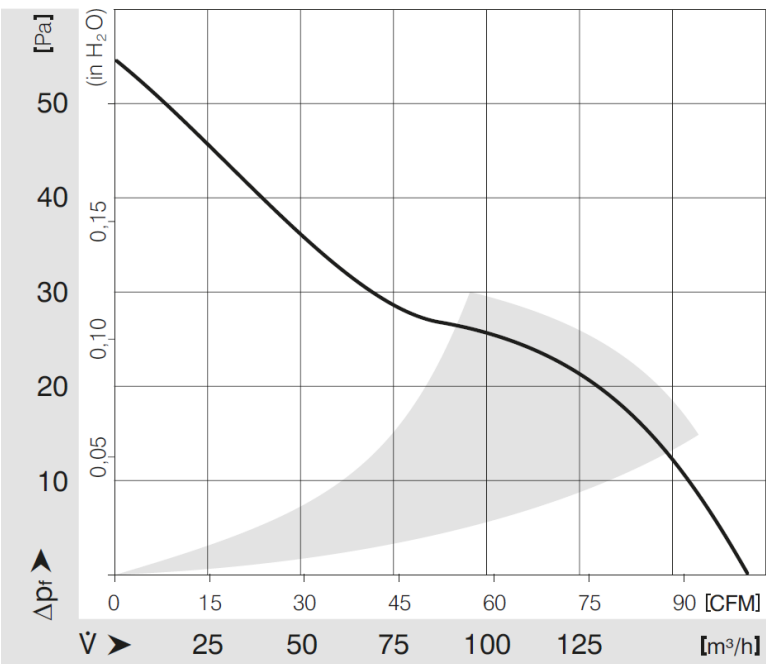
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

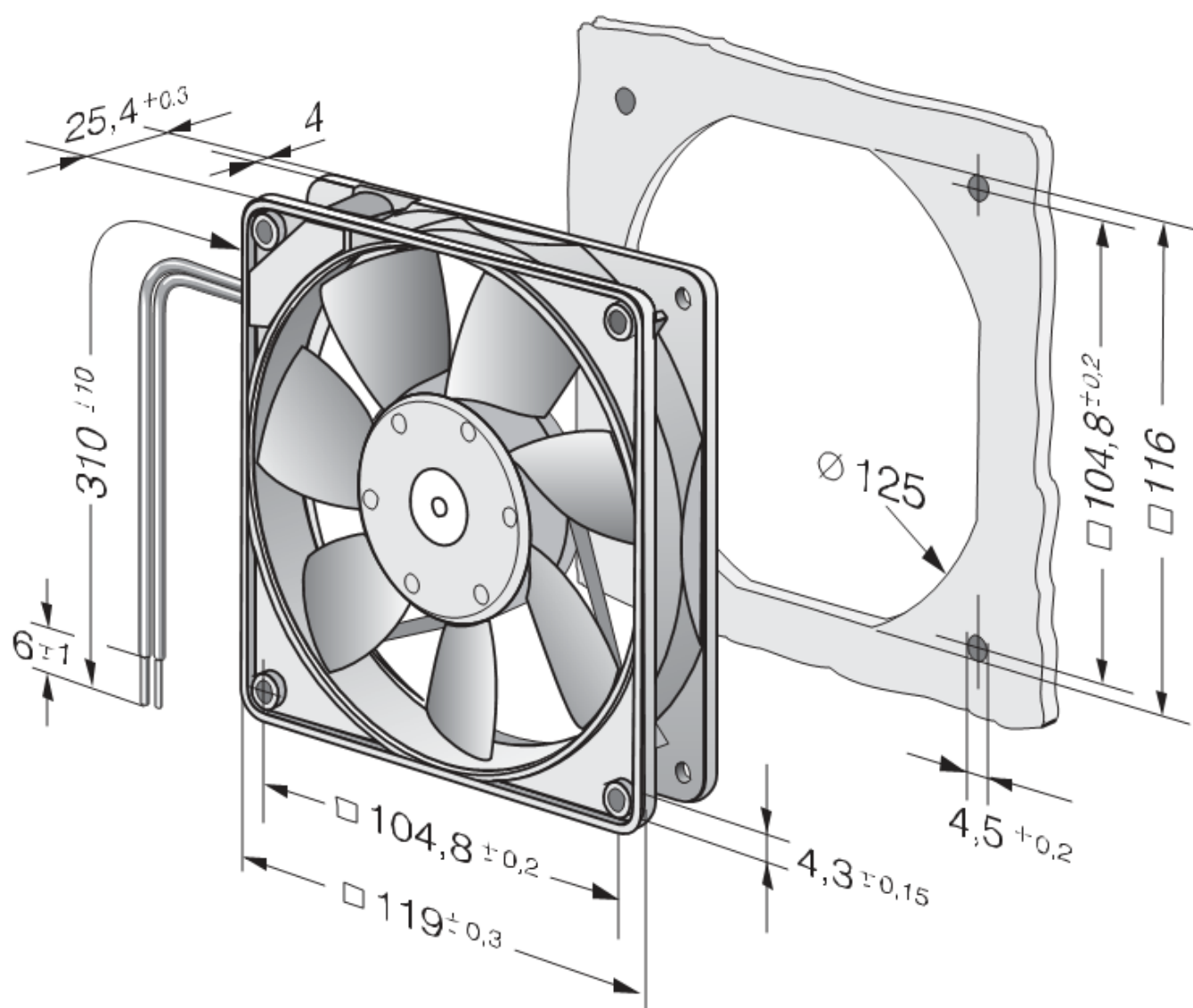
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9293505405	24	170	2900	5	ball	43	60000	37500	-20..+60	0,175

Pricelist	Fan filter 9920340004	Guard grille 9920030004
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Curves: Air performance



Drawing



4314 NNU - Size(mm): 119x119x32

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Plastic
- Housing: Plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP68
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

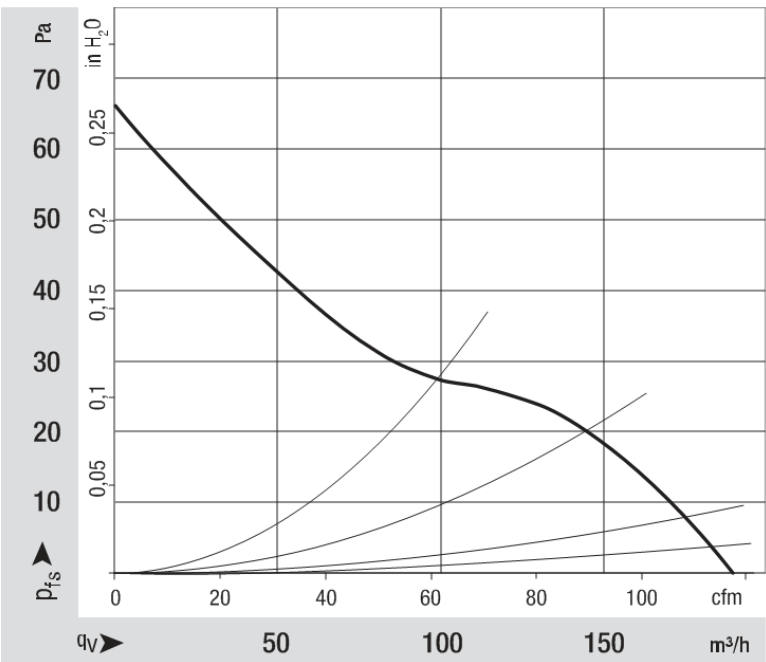
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

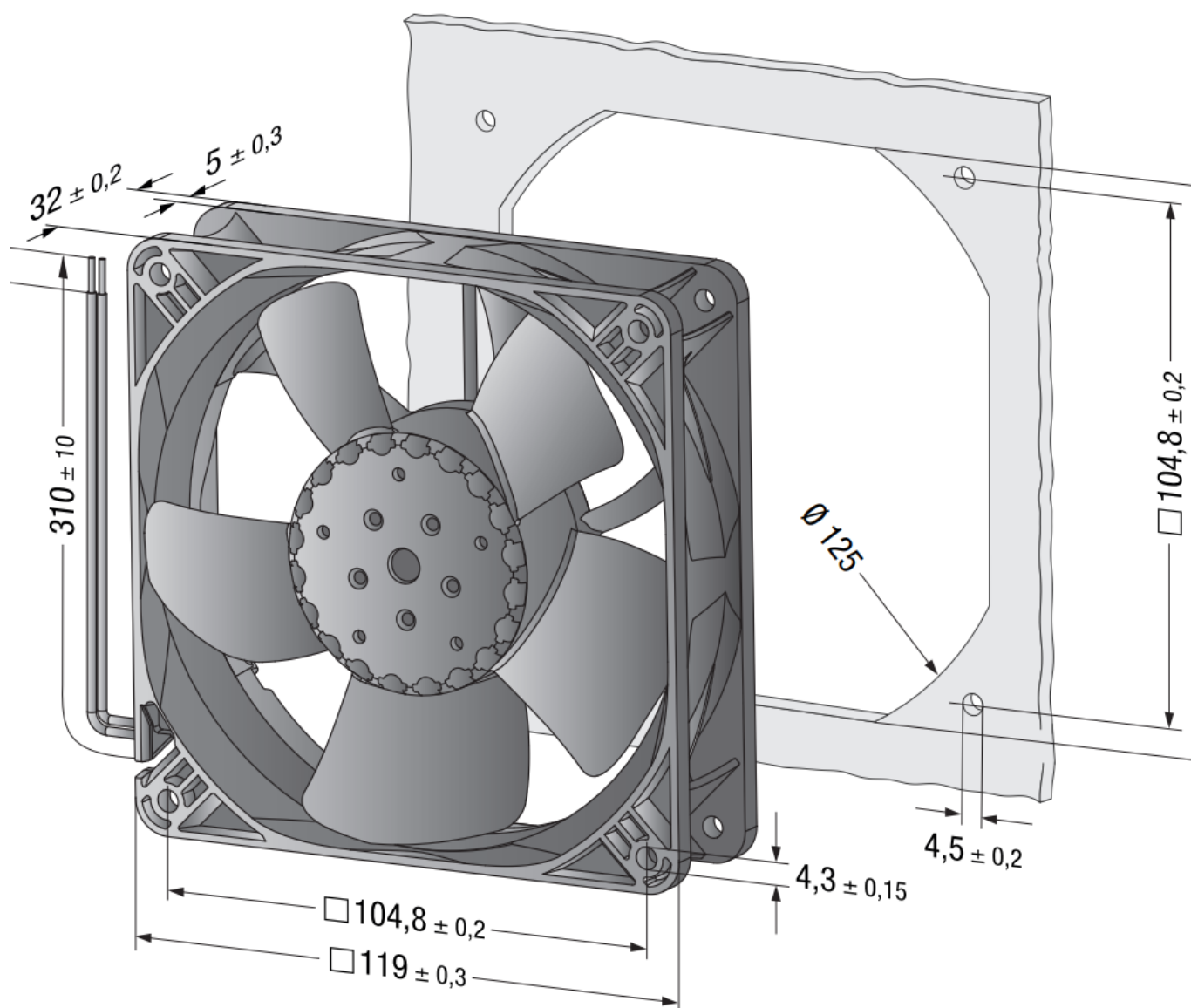
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9293510702	24	187	2700	4,1	ball	43	72500	30000	-20..+75	0,26

Pricelist	Fan filter 9920340004	Guard grille 9920030004
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Curves: Air performance



Drawing



4414 ML - Size(mm): 119x119x38

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

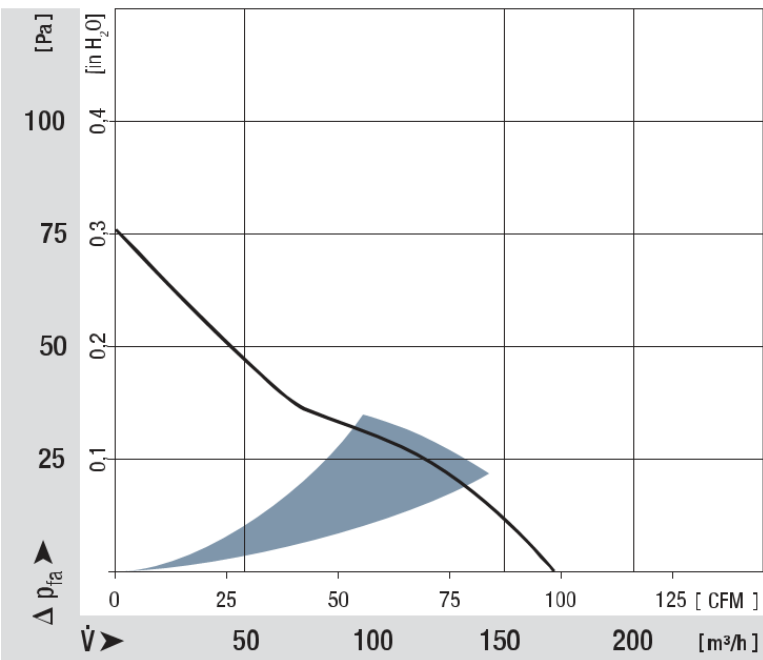
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

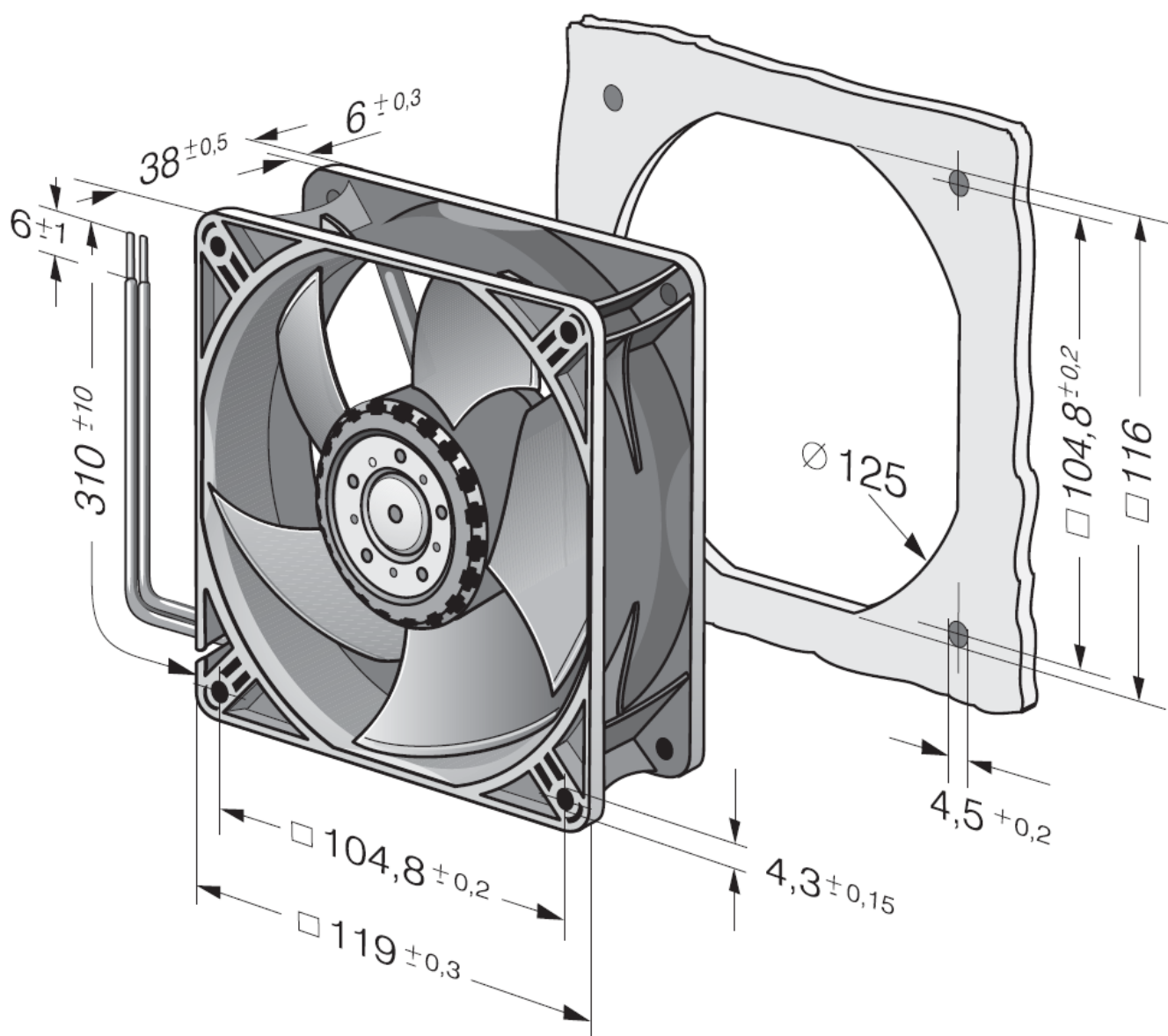
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9293510560	24	168	3000	3,2	ball	40	67500	22500	-20..+80	0,27

Pricelist	Fan filter 9920340004	Guard grille 9920030004
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Curves: Air performance



Drawing



Spare parts

4414 HH - Size(mm): 119x119x38

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Glass-fiber reinforced PBT plastic
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 24, TR 64, stripped and tin-plated

Conformity with standards

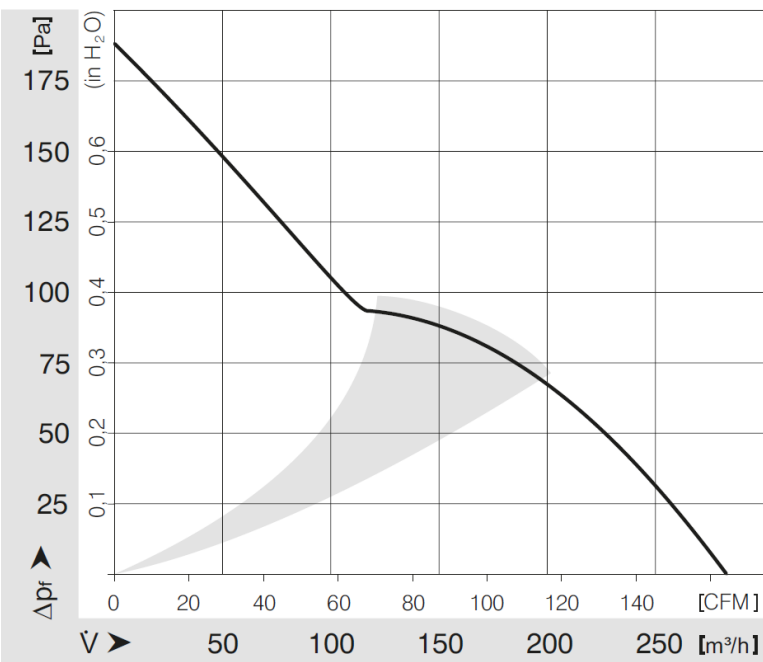
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

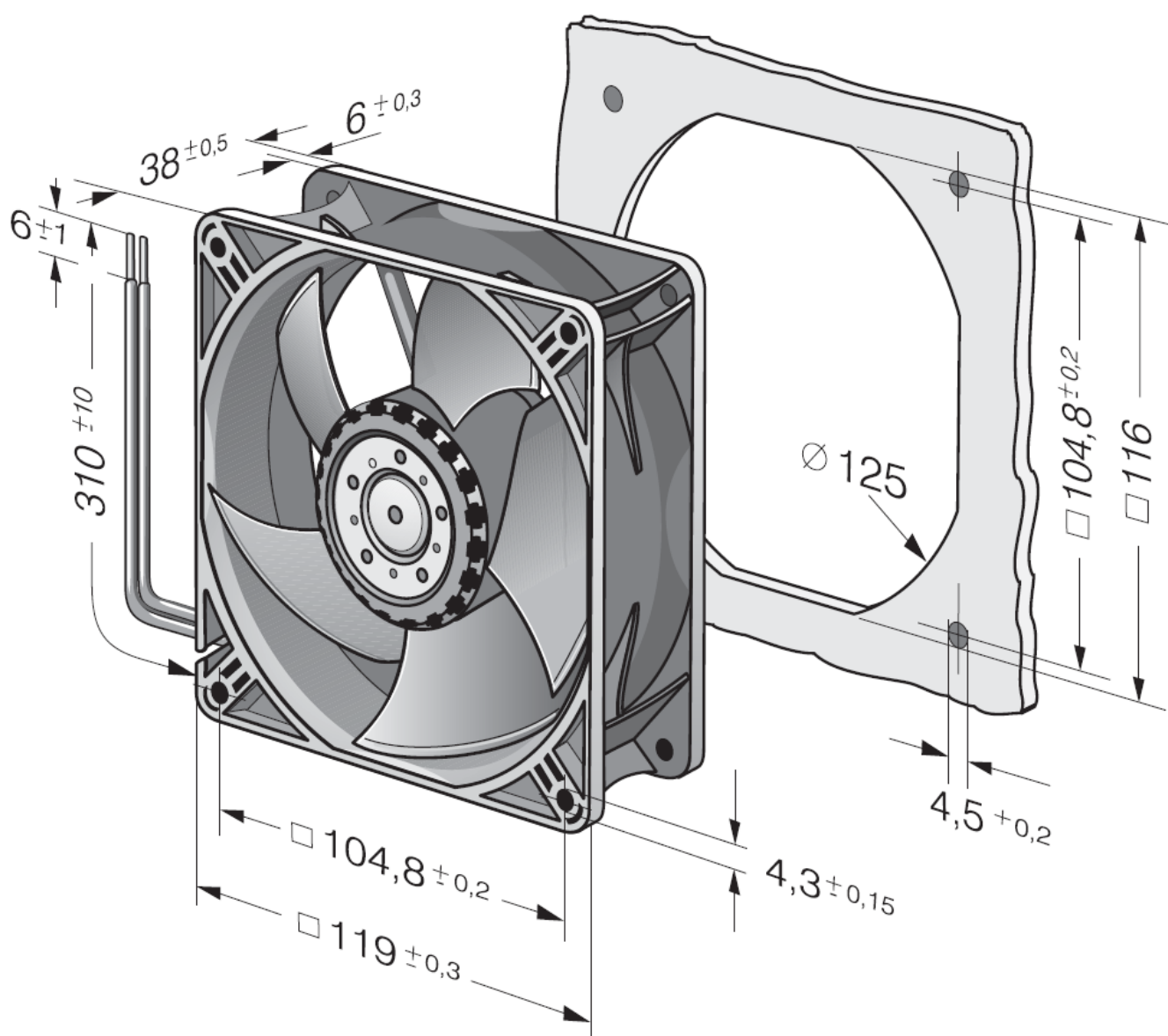
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9293510524	24	285	5000	14	ball	55	50000	25000	-20..+70	0,25

Pricelist	Fan filter 9920340004	Guard grille 9920030004
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Curves: Air performance



Drawing



Spare parts

4184 NX - Size(mm): 119x119x38

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Die-cast aluminium
- Number of blades: 5

Technical description

- Direction of rotation: Clockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Flat plug 2.8 x 0.5 mm. Optionally also with wires.

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

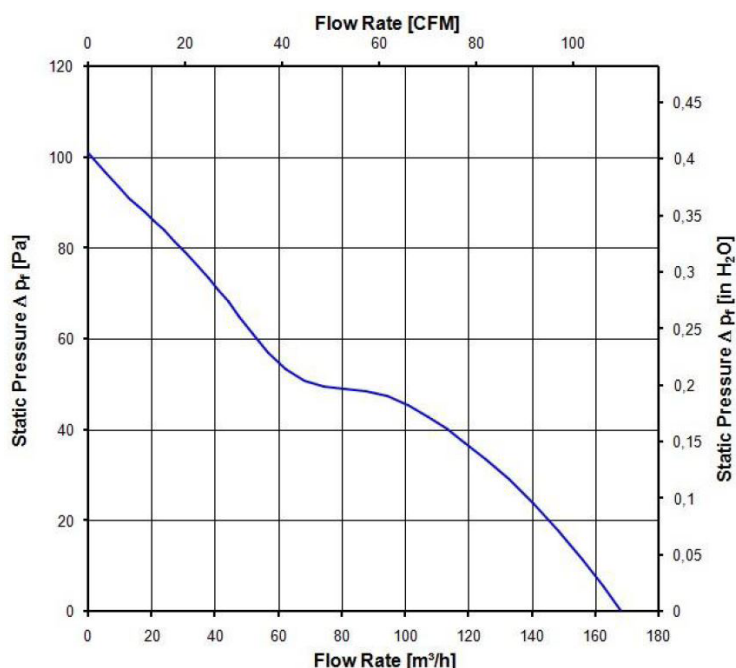
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9294310103	24	168	3200	4,9	ball	49	85000	40000	-20..+70	0,38

[Pricelist](#)

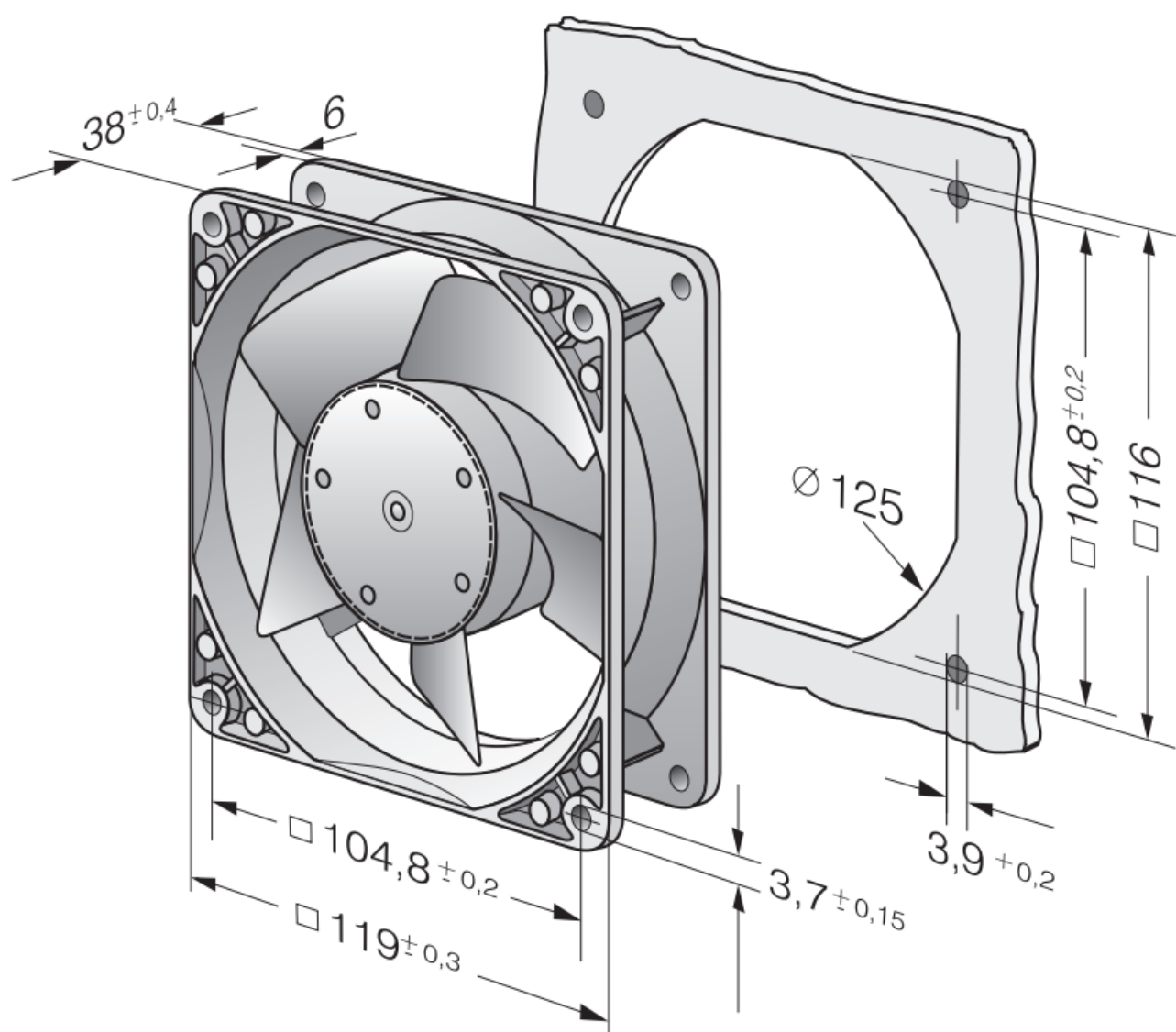
Fan filter
[9920340004](#)

Guard grille
[9920030004](#)

Curves: Air performance



Drawing



7114 N - Size(mm): Ø150x38

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Die-cast aluminium
- Number of blades: 7

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Intake over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 22, TR 64, stripped and tin-plated

Conformity with standards

- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

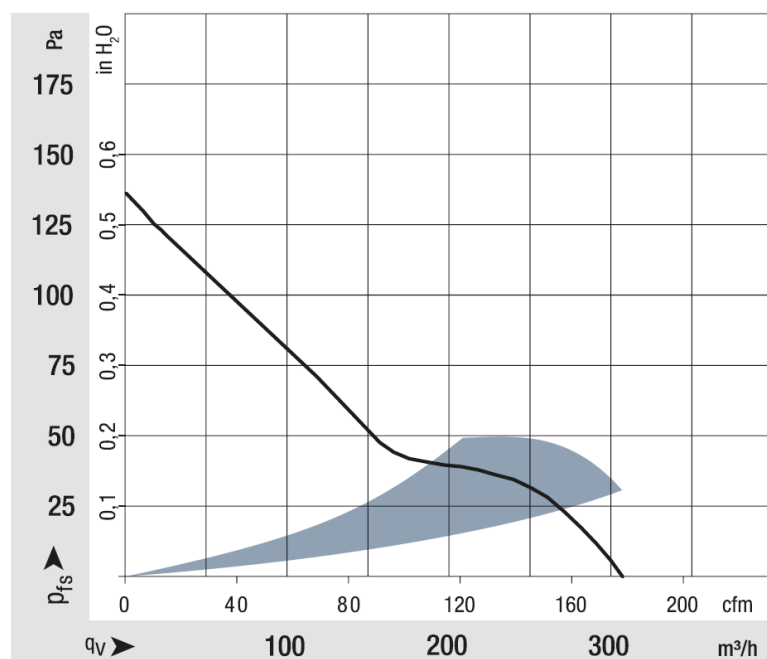
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 °C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	°C	kg
9295410121	24	308	2850	12	ball	53	80000	37500	-25..+72	0,62

[Pricelist](#)

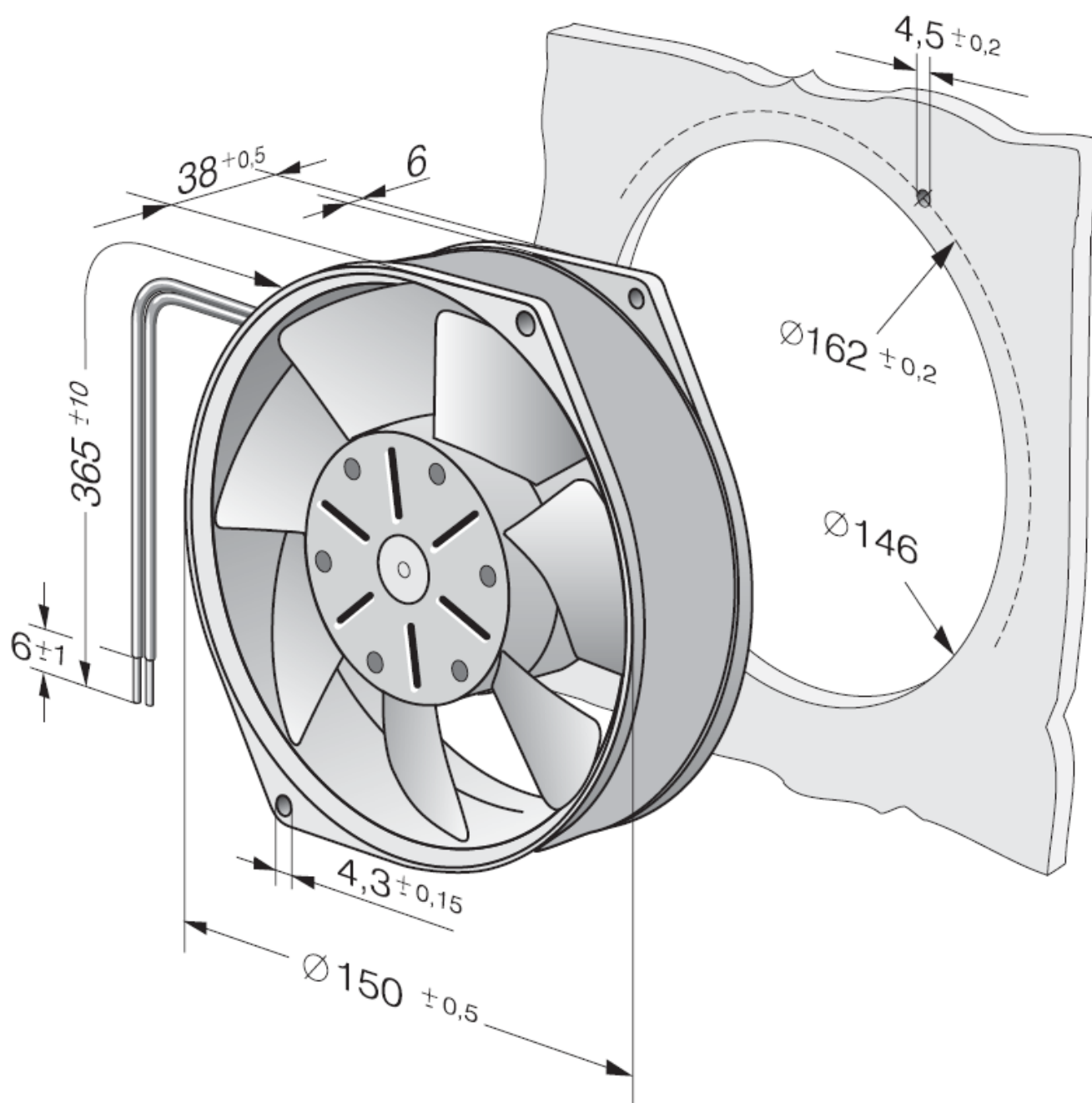
Guard grille

[9920036000](#)

Curves: Air performance



Drawing



Spare parts

DV 6224 - Size(mm): Ø172x51

DC compact fans



[Back to product overview:](#)



Material/surface

- Impeller: Glass-fiber reinforced PA plastic
- Housing: Aluminum. Housing with grounding lug for M4 x 8 screw (Torx).
- Number of blades: 5

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Airflow direction: Exhaust over struts
- Protection: IP20
- Bearings: Ball bearing
- Motor protection: Protection against reverse polarity and blocked rotor
- Cable: Leads AWG 22, TR 64, stripped and tin-plated

Conformity with standards

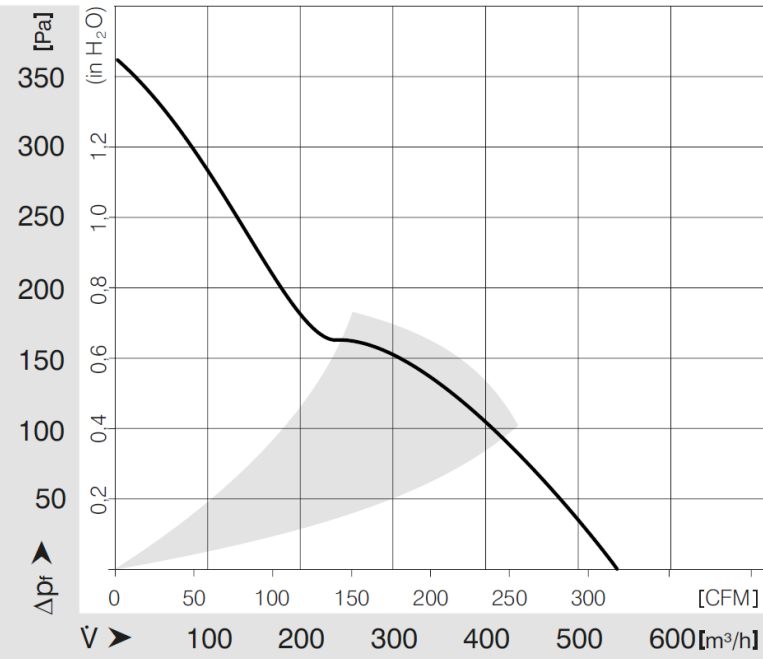
- Norm: IEC 60038

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

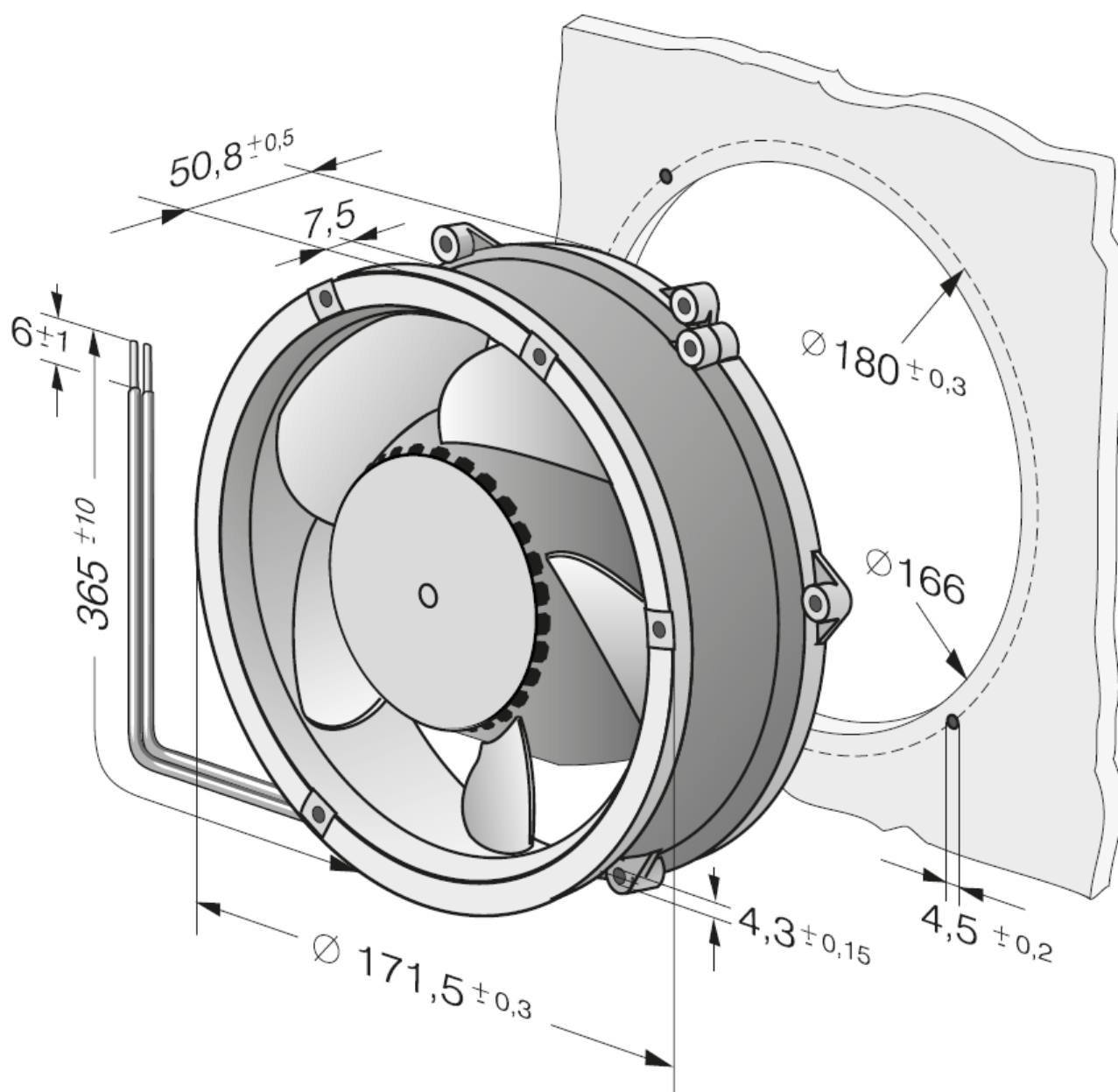
Nominal Data	Voltage	Max. Air flow	Speed	Power consumption	Bearing	Sound pressure level	Service life 40 C	Service life at T max.	Perm. ambient temp.	Weight
Partnumber	VDC	m3/h	rpm	W		dB(A)	Hrs	Hrs	C	kg
9295414502	24	540	4300	40	ball	63	90000	40000	-20..+75	0,82

Pricelist

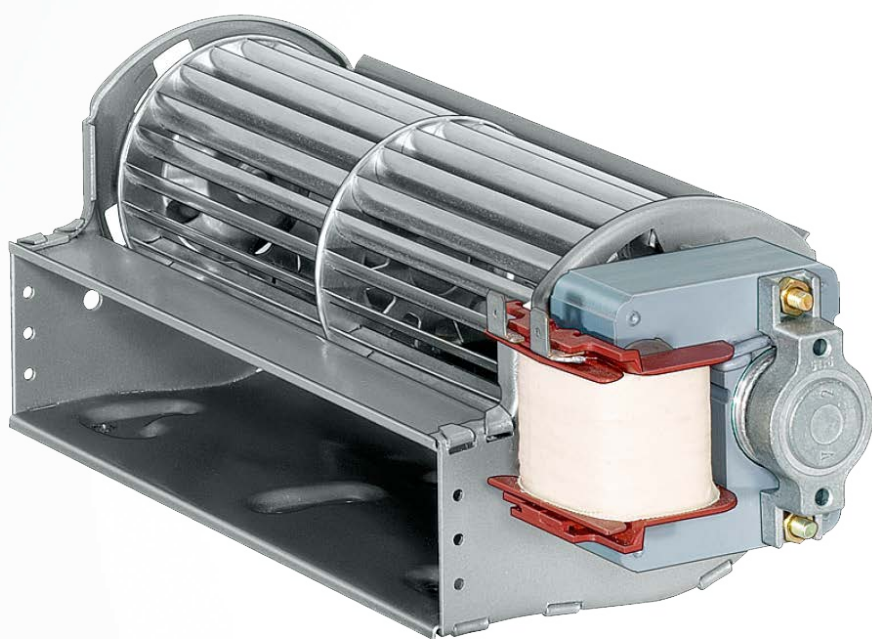
Curves: Air performance



Drawing



Spare parts



Tangential fans

ebmpapst

engineering a better life

QLZ06/1800-2524 (R)

AC tangential fans



[Back to product overview:](#)



Material/surface

- Impeller: Blades coated black steel

Technical description

- Isolation: B, class F or H on request
- Mounting position: Horizontal or vertical with motor on bottom
- Bearings: Maintenance free bearings
- Motor protection: Impedance protected
- Cable: Flat plug 6.3 x 0.8 mm

Conformity with standards

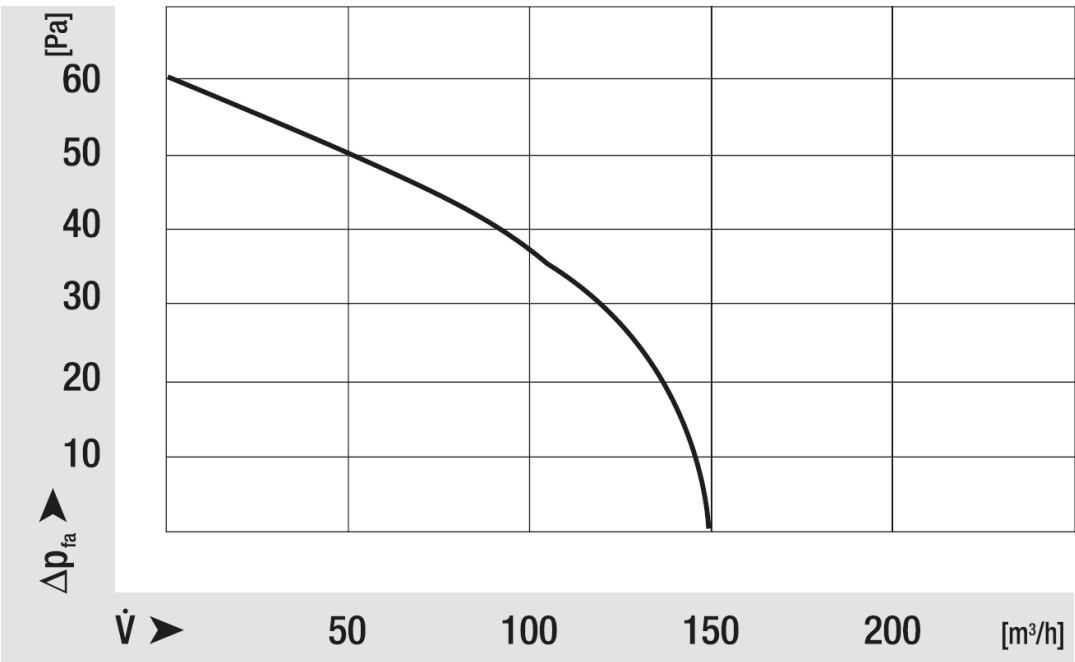
- Norm: DIN 31000 (VDE 1000)

Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

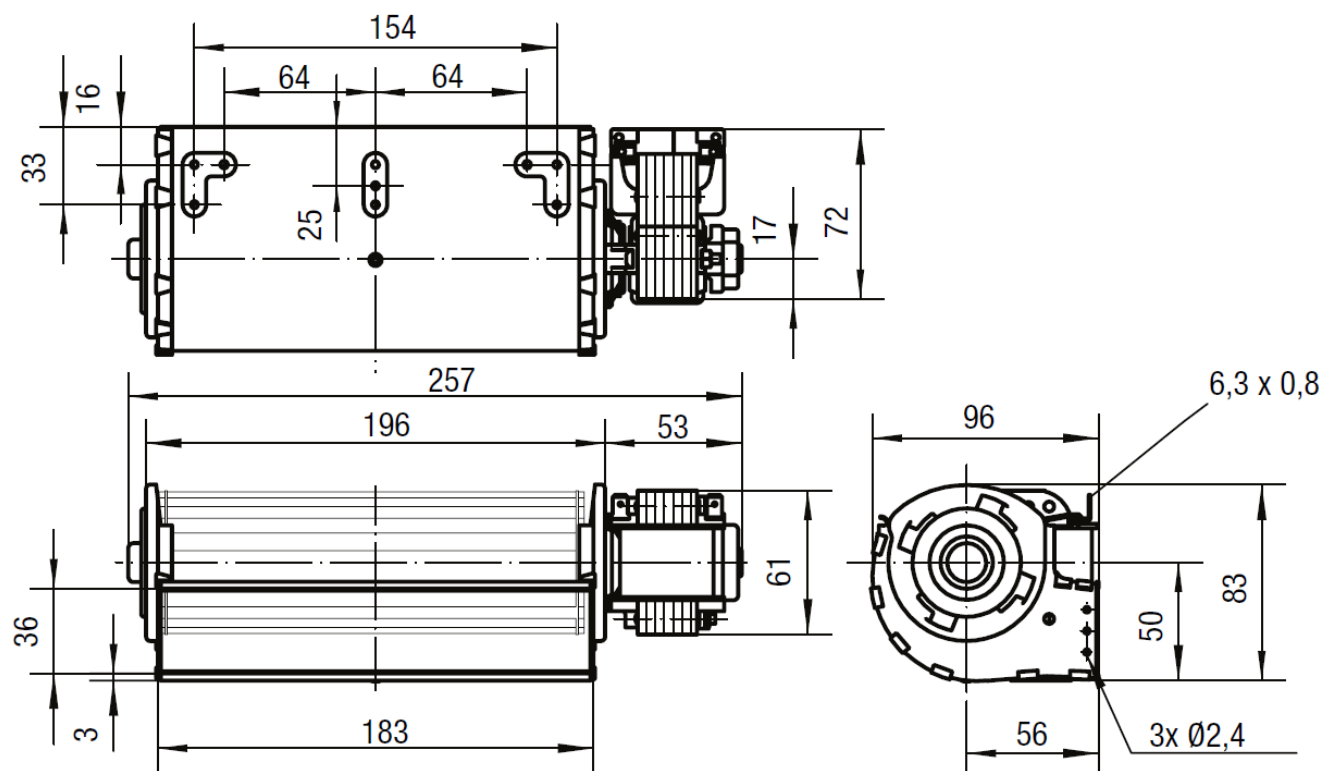
Nominal Data	Motor	Voltage	Frequency	Max. Air flow	Speed	Power consumption	Current draw	Impeller diameter	Pressure increase	Perm. ambient temp.	Weight
Partnumber		VAC	Hz	m3/h	rpm	W	mA	mm	Pa	C	kg
55410.81610	Right	230	50	150	1800	33	240	60	60	0..+60	1

Pricelist

Curves: Air performance



Drawing





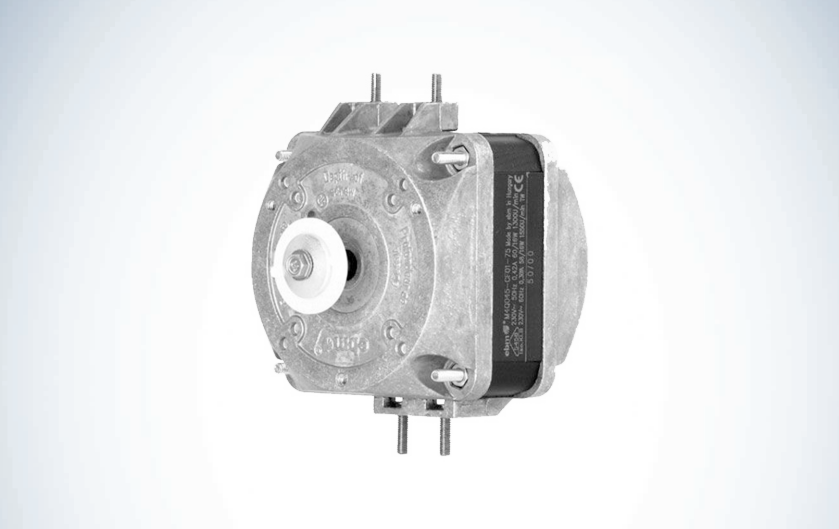
Motors

ebmpapst

engineering a better life

Q Motors

Motors



Go to	Pricelist
Go to	Accessories
Link to	ebm-papst operating instructions
More at	www.ebmpapst.nl

Back to product overview:



Material/surface

- Bearing shield material: Die-cast aluminium

Technical description

- Direction of rotation: Counterclockwise, seen on rotor
- Protection: IP42
- Isolation: B
- Mounting position:
 - Motor 1-6. Shaft horizontal
 - Motor 7-8. Any, preferably horizontal
- Bearings: Calotte bearing
- Motor protection:
 - Motor 1-4. Impedance protected
 - Motor 5-8. Thermal Overload Protector (TOP)
- Cable: Flat plug 6.3 x 0.8 mm

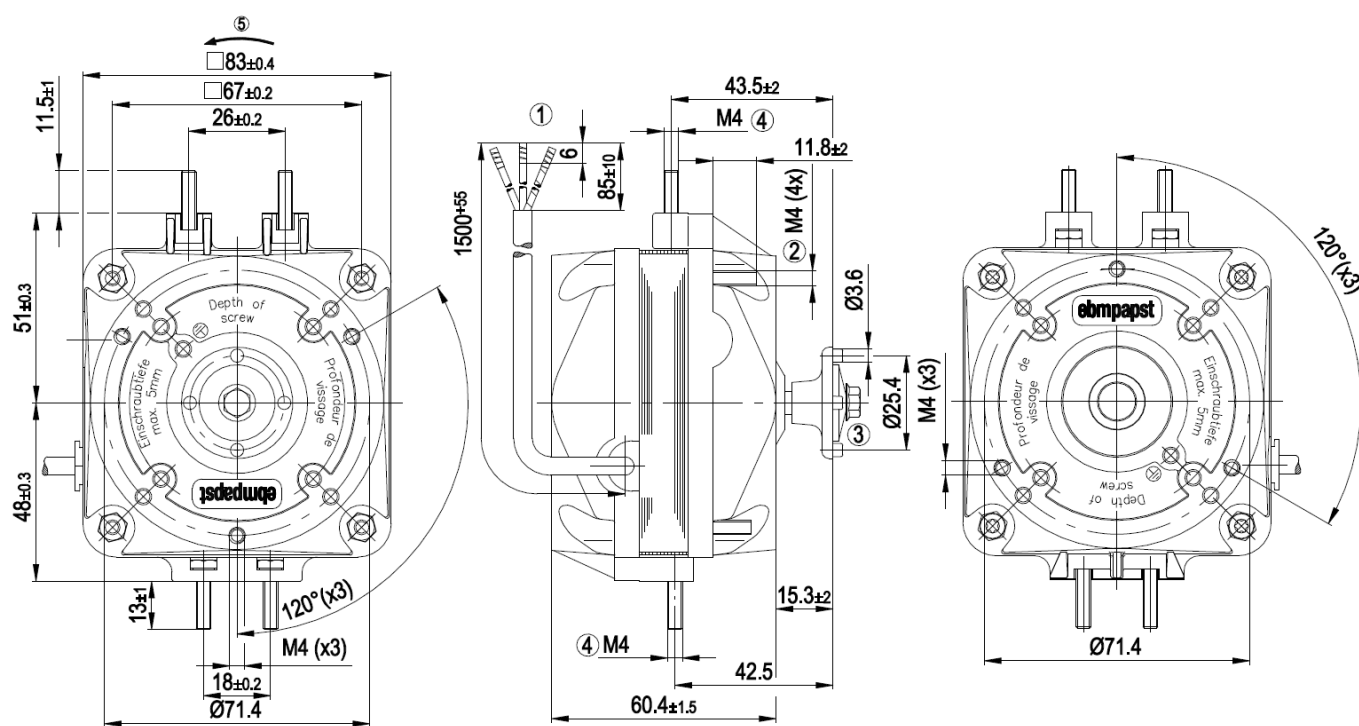
Conformity with standards

- Norm: VDE, EAC

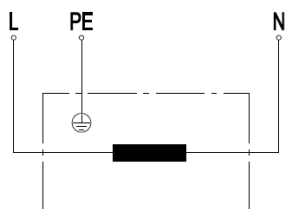
Nominal Data		Voltage	Frequency	Speed	Power output	Power consumption	Current draw	Perm. ambient temp.	Weight
Partnumber		VAC	Hz	rpm	W	W	A	C	kg
M4Q045BD0175	(1)	230	50	1300	5	29	0,19	-30..+40	0,9
M4Q045EA0175	(2)	230	50	1300	25	90	0,62	-30..+40	2,0

[Pricelist](#)

Drawing



Connection illustration



L	blue	PE	green/yellow	N	brown
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Accessories

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Capacitors



Back to product overview:



Options

- Faston on request

Nominal Data	Capacity	Case dimensions	Connection	Lenght (i.a.)	Mounting	Voltage	Approval
Partnumber	µF(± 5%)	mm		mm		V	
280F00031	1	30 x 50	uni polar	200	8MA bolt	400	CE/UL/CSA
280F00032	1,5	30 x 50	uni polar	200	8MA bolt	400	CE/UL/CSA
280F00033	2	30 x 50	uni polar	200	8MA bolt	400	CE/UL/CSA
280F00035	3	30 x 50	uni polar	200	8MA bolt	400	CE/UL/CSA
66785-4-7320	3,5	30 x 50	uni polar	200	8MA bolt	450	CE/UL/CSA
280F00036	4	30 x 57	uni polar	200	8MA bolt	425	CE/UL/CSA
280F00037	5	35 x 57	uni polar	200	8MA bolt	400	CE/UL/CSA
280F00038	6	35 x 57	uni polar	200	8MA bolt	400	CE/UL/CSA
280F00055	7	35 x 70	faston	250	8MA bolt	450	CE/UL/CSA
280F00039	8	35 x 70	bi polar	250	8MA bolt	400	CE/UL/CSA
280F00040	10	40 x 70	bi polar	250	8MA bolt	400	CE/UL/CSA
280F00041	12	45 x 70	bi polar	250	8MA bolt	400	CE/UL/CSA
280F00042	14	45 x 70	bi polar	250	8MA bolt	400	CE/UL/CSA
280F00045	25	45 x 94	bi polar	250	8MA bolt	400	CE/UL/CSA
280F00046	35	50 x 121	bi polar	250	8MA bolt	400	CE/UL/CSA

[Pricelist](#)

Inlet rings

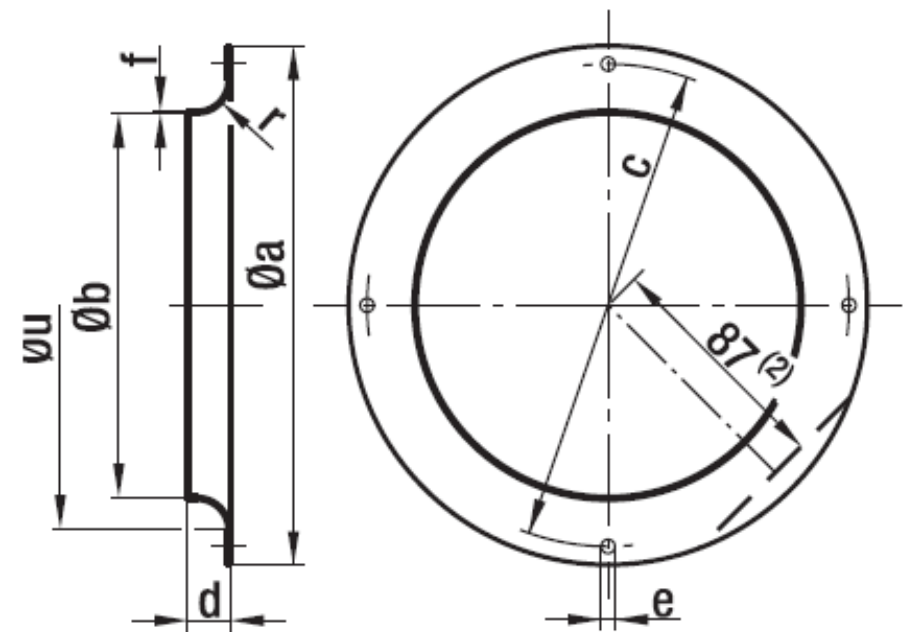


[Back to product overview:](#)



Nominal Data	Fan Size	Outer diameter	Total height	Air inlet	Material
Partnumber	mm	mm	mm	mm	
09576-2-4013	140/146/175/190	170	14	158	zinc-coated sheet steel
09609-2-4013	220	252	20	155	zinc-coated sheet steel
96358-2-4013	225	223	28	146	zinc-coated sheet steel
Pricelist					

Drawing (example)



Guard grilles



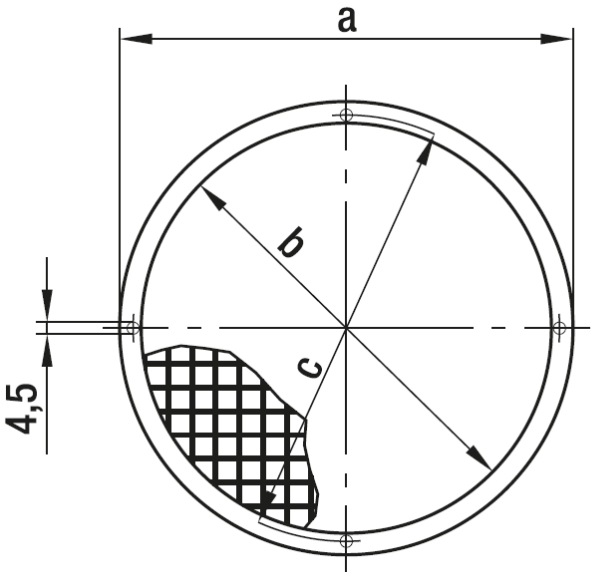
Back to product overview: 

Partnumber	Fan Size	a	b	c	d	e	f	Material
09494-2-4039	120	140	124	132				Welded screens made of hot-dip galvanized steel, border made of tin
78128-2-4039	200	240	5,4	221,5	208			Steel wire, plastic-coated, with silver-metallic gloss
90414-2-4039	250	3,9	4,6	4,6	290	58	247	Phosphatized steel wire, plastic coated in RAL nr 9005, black

Pricelist

Dimensions

09494-2-4039

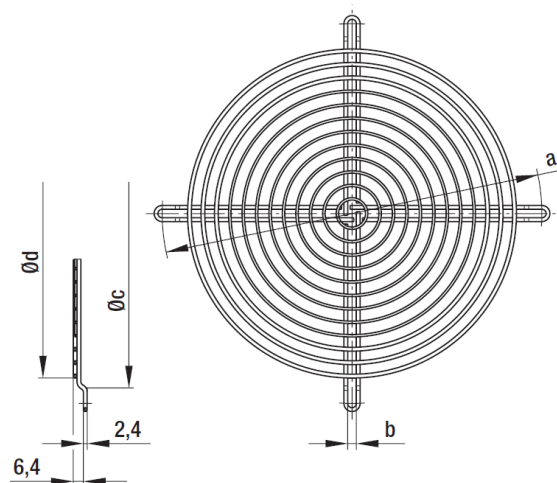


Guard grilles

[Back to product overview:](#)



78128-2-4039



Guard grilles compact fans



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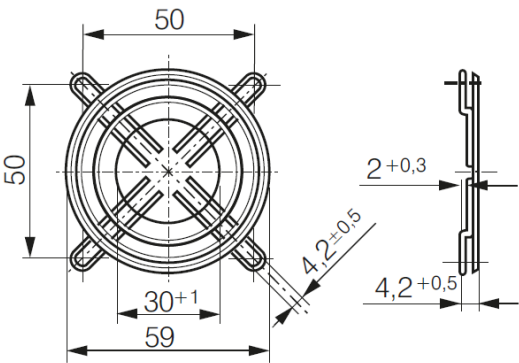


Partnumber	Type	Fan series
9920028001	LZ28-1	600
9920023001	LZ23-1	3000
9920032004	LZ32-4	8000
9920030004	LZ30-4	9000/4000
Pricelist		

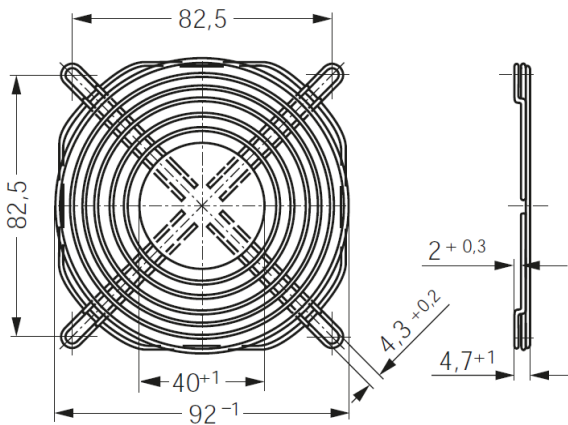
Partnumber	Type	Fan series
9920036000	LZ36	7000
9920037000	LZ37	6300
Pricelist		

Dimensions

LZ28-1 Fan size 60 x 60



LZ23-1 Fan size 92 x 92



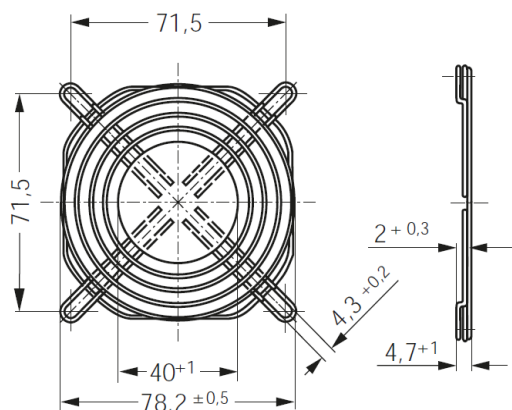
Guard grilles compact fans

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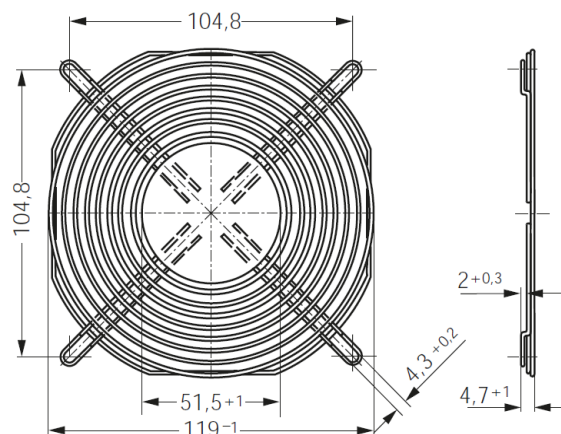
LZ32-4

Fan size 80 x 80



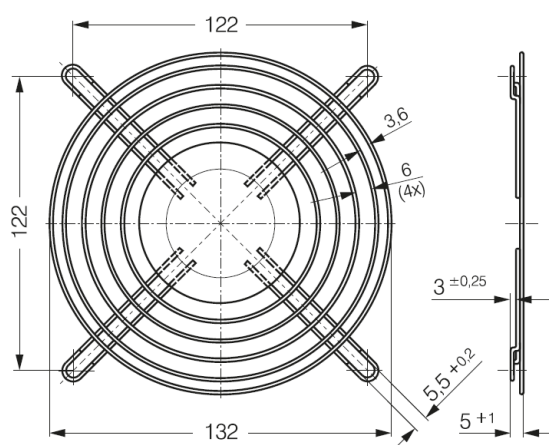
LZ30-4

Fan size 119 x 119



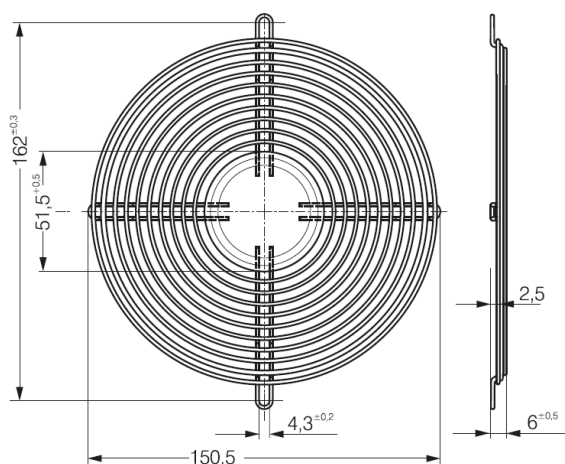
LZ25

Fan size 135 x 135



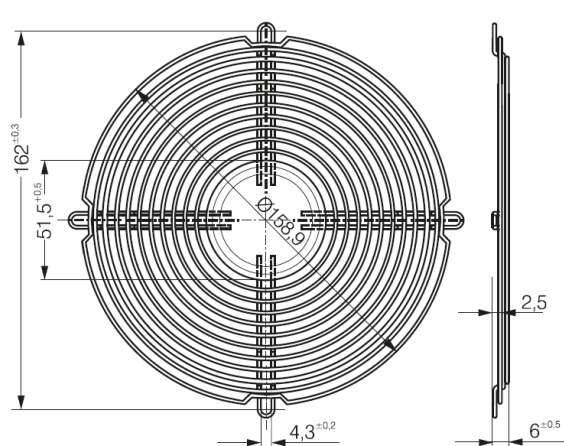
LZ36

Fan size 150 x 172



LZ37

Fan size 172 x 51



Filter fan guards



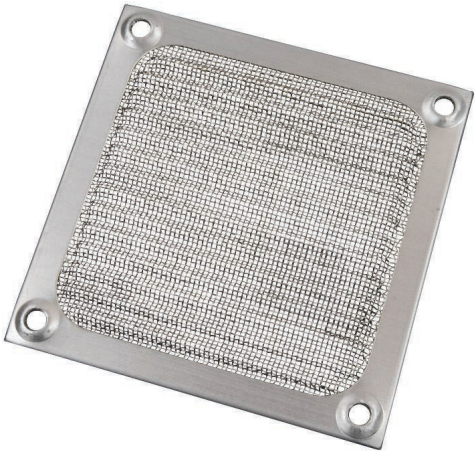
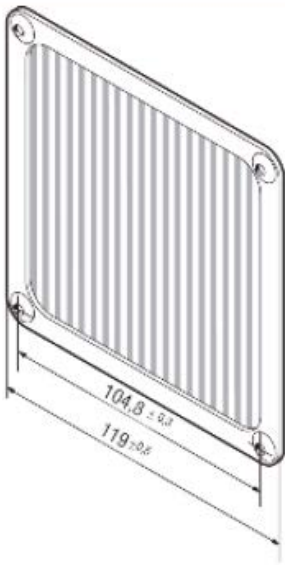
Back to product overview: 

Partnumber	Type	Fan size	a	b	c	d
9920340004	FF119	119 x 119 mm	162	136	18,5	104,5

Pricelist

LZ60

Coarse filter

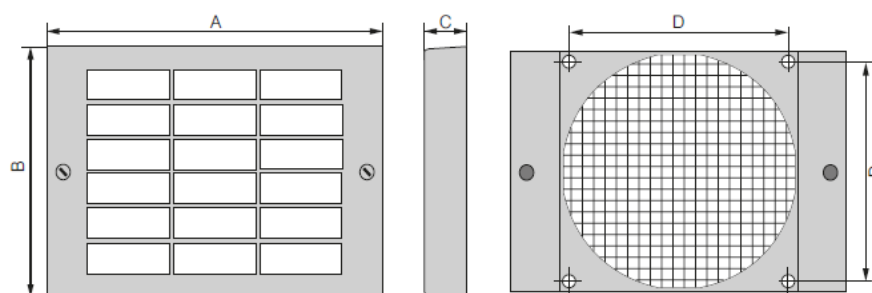


Filter fan guards

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FF 119



Connection cables



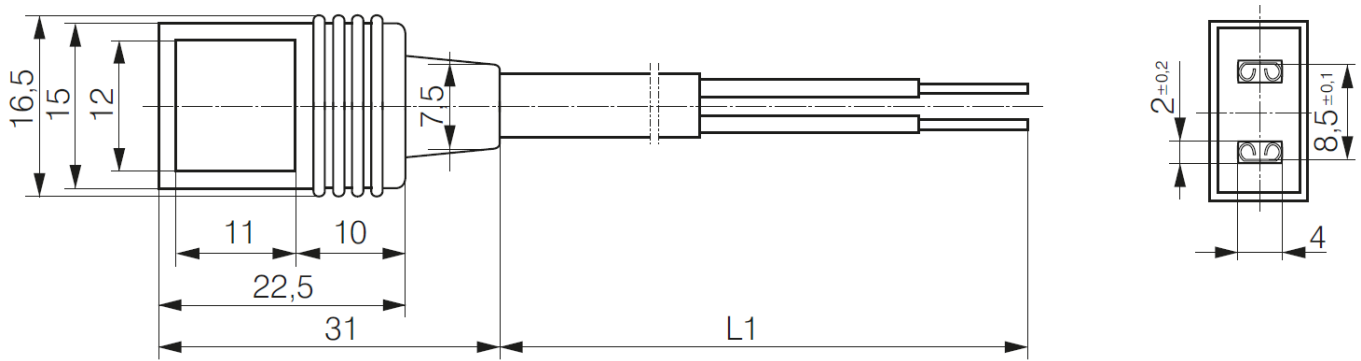
Back to product overview:



Partnumber	Type	L1 (mm)
9920120000	LZ120	610
9920120004	LZ120-4	2000
9920126000	LZ126	1000

[Pricelist](#)

Drawing

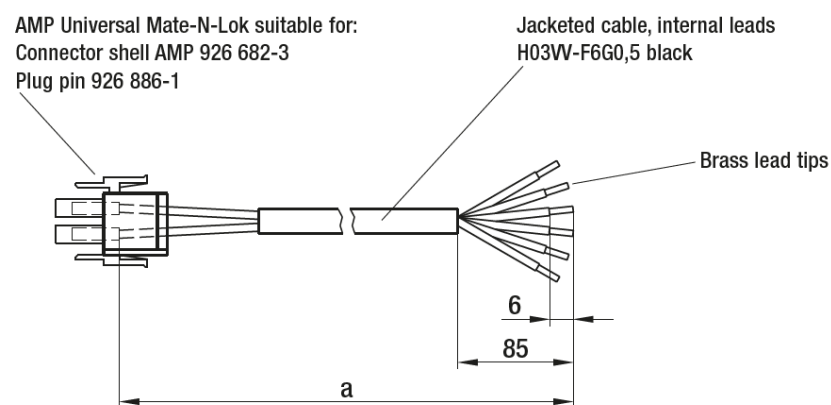


Connection cables

Back to product overview:



Lead connections for AC centrifugal fans with plastic housing	
Partnumber	a / cable length
21958-4-1040	650
Pricelist	



- **Suitable for:**
D2E146-HR; D2E146-HS; D2E146-HT
- **Plug assignment:**
 - 1 = Step 1 (white)
 - 2 = Step 2 (red)
 - 3 = Step 3 (grey)
 - 4 = Step 4 (black)
 - 5 = N (blue)
 - 6 = PE (green/yellow)

Connection cables

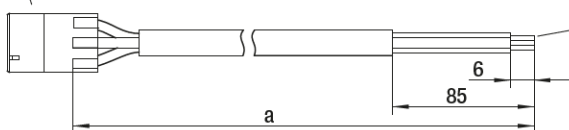
Back to product overview:



Line head for EC centrifugal fans with plastic housing	
Partnumber	a / cable length
65031-4-1040	650
Pricelist	

Drawing

Lumberg female connector



Brass lead tips

- **Suitable for:**
D3G146-LT; D3G146-LU; D3G146-LV;
K3G146-A....
- **Plug assignment:**
1 = N (blue)
2 = L (black)
3 = PE (green/yellow)

Drawing



Connection cables

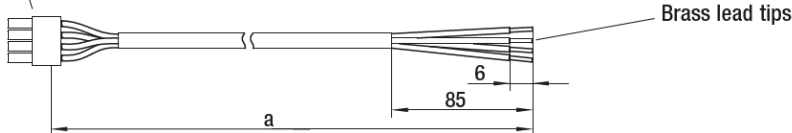
Back to product overview:



Control lines for EC centrifugal fans with plastic housing	
Partnumber	a / cable length
65007-4-1040	650
65009-4-1040	1500
Pricelist	

Drawing

Molex Micro Fit female connector



- **Suitable for:**
D3G146-LT; D3G146-LU; D3G146-LV;
K3G146-A.....
- **Plug assignment:**

1 = GND	(blue)
2 = 0-10V lin. / PWM	(yellow)
3 = Tacho	(white)
4 = 10V	(red)

Drawing



Speed controllers



Back to product overview: 

Partnumber	Picture	Info
280A00050		Speed controller for 0-10V controle: R= 10K
Pricelist		

Back to product overview:



Converter: ebm-papst USB-RS485 Adapter



[Back to product overview:](#)



Item number

■ 280A00185

Technical description

The USB-RS485 Adapter connects RS485 units with PC. Additional ebm-papst Software is needed as follows:

- EC Control version 2.00 and later (item number 25714-2-0199)
- The necessary USB drivers for using the adaptor are provided with the EC-Control software package.

Mode of operation

Adjustments are configured with internal DIL-switches. Default settings:

- Communication: "without Echo"
- Internal termination: "with Bus Termination"

Technical data

Delivery scope:	- Adapter - pluggable screw terminal - USB cord
Housing:	Plastic housing
Dimensions:	56.0 x 31.2 x 24.5 mm
Power supply:	5 V, via USB
Isolation:	2500 V (protects USB devices against overvoltages)
Data rate:	Up to 3 Mbit/s
RS485 connection:	- 2-wire - up to 32 Bus-participants - max. cable length 1200 m (at 9600 bit/s)
Operating Systems:	XP, Windows 7

Connection to the RS485-Bus

Connect A and B-wires of the RS485-Bus to the screw terminal and insert it into the adapter.

Converter: ebm-papst USB-RS485 Adapter

Back to product overview:

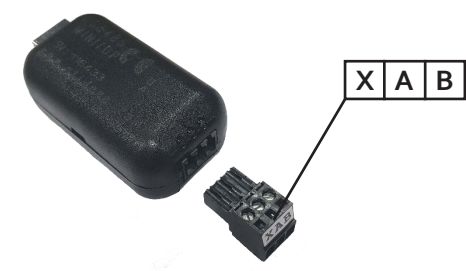


LED status

- Tx = Transmit
- Rx = Receive
- ON = Power-ON

Interface diagram

Screw terminal	signal
X	not connected
A	RS485 Bus A / Modbus RTU D ₁
B	RS485 Bus B / Modbus RTU D ₀



Connection to the USB-interface:

Please install the USB drivers before connecting to the USB port. These are part of the EC Control software. Please find installation hints in the EC-control manual.



Connect the device to a USB port on your PC, using the enclosed USB-connection cord. After the connection is made, the yellow power LED lights up. Status LEDs for transmit, receive and power for ease of error diagnostics.

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