

Product overview

DC axial fans



Our DC product portfolio offers a wide range of different sizes and performance classes suitable for the requirements of your individual application.



All fan types are equipped with efficient, brushless motor technology, electronically commutated drive and electronic reverse polarity protection. They impress with a long service life and outstanding efficiency.



This reduces the thermal load, thus ensuring maximum efficiency and a long service life.



All fan types are designed in IP20 as standard. IP54/IP68 solutions and special protection types are available on request.



GreenIntelligence enables the fan speed to be intelligently controlled and noise-optimized, efficient and tailored use to be monitored.

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Type code example: VWCL119PJGJZ

V	W	C	L	119	P	J	G	J	Z	
Product category	Product type Airflow direction	Product version	Overall length	Size [mm]	Brand name	Motor	Motor size		Air flow level	Standard
							Diameter			

Dimensions in mm	Type	Type (old)	Page
□ 25 x 8	VWCA025A...	250	18
□ 40 x 10	VWCA040F...	400 F	20
□ 40 x 20	VWCC040Y...	400	22
□ 40 x 28	VWCE040J...	420 J	24
□ 50 x 15	VWCB050F...	500 F	26
□ 60 x 15	VWCB060F...	600 F	28
□ 60 x 25	VWCD060A...	620	30
□ 60 x 25	VWCD060X...	630	32
□ 60 x 25	VWCD060Y...	600 N	34
□ 60 x 32	VWCE060J...	600 J	38
□ 70 x 15	VWCB070F...	700 F	40
□ 80 x 25	VWCD080A...	8450	42
□ 80 x 25	VWCD080Y...	8400 N	44
□ 80 x 32	VWCE080P...	8300 N	48
□ 80 x 38	VWCF080J...	8200 J	52
□ 80 x 38	VWCF080K...	AxiForce 80	54
□ 92 x 25	VWCD092Y...	3400 N	56
□ 92 x 32	VWCE092P...	3300 N	60
□ 92 x 38	VWCF092J...	3200 J	64
□ 92 x 38	VWCF092P...	3250 J	66
□ 100x90	VWJK100TKGRS	AxiTwin 100	68
□ 119 x 25	VWCD119F...	4400 F	70
∅ 127	VWS0113F...	4400 F	72
∅ 126	VWS0112EUGAS	AxiRev 126	74
□ 119 x 25	VWCD119F...	4400 FN	76
□ 119 x 32	VWCE119P...	4300 N	78
□ 119 x 38	VWCF119A...	4400	82
□ 120 x 38	VWC0120KUJBS	AxiForce 120	86
□ 119 x 38	VUCF119Y...	4100 N	88
□ 119 x 38	VKCF119A...	DV 4100	94
□ 119 x 86	VKCK119DKLSS	DiaForce 120	96
□ 127 x 38	VWCF127Y...	5200 N	98
□ 127 x 38	VKCF127A...	DV 5200	100
□ 135 x 38	VWCF135Y...	5100 N	102
□ 140 x 51	VUCG140A...	5300	104
□ 140 x 51	VUCG140A...	5300 TD	106
∅ 150 x 38	VWEF150X...	7100 N	108
∅ 150 x 55	VWEH150X...	7200 N	110
172 x 150 x 51	VWLG150X...	6400	112
172 x 150 x 51	VWLG150X...	6400 TD	114
172 x 160 x 51	VKLG160X...	DV 6400	116
172 x 160 x 51	VWEG172PKLUS	6300 NTD	118
172 x 160 x 51	VWEG172X...	6300 TD	120
∅ 172 x 51	VWEG172P...	6300 N	122
∅ 172 x 51	VWEG172P...	6300 NTD	124
∅ 172 x 51	VWEG172X...	6300	126
∅ 172 x 51	VWEG172X...	6300 TD	128
∅ 172 x 51	VKEG178X...	DV 6300 TD	130
172 x 150 x 51	VWLG150K...	AxiForce 172	132
220 x 200 x 51	VWLG200F...	2200 FTD	134
∅ 200 x 70	VKLH200CKLXS	AxiEco 200	136
225 x 225 x 80	VWLJ200XJLVZ	2200 TD	138
□ 225 x 80	VJH0200XUNCS	K1G 200	140
□ 225 x 89	VJH0200XUNES	K3G 200	142
∅ 250	VWLK280X..., VWLK280H...	W1G 250	144
∅ 300	VVY0300H..., VWR0300X..., VMA0300X...	*1G 300	146

VWCA025A...

DC axial fan · max. 4.7 m³/h · □ 25 × 8 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 5 or 12VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 28
- Electrical protection class: III
- Weight: 5 g

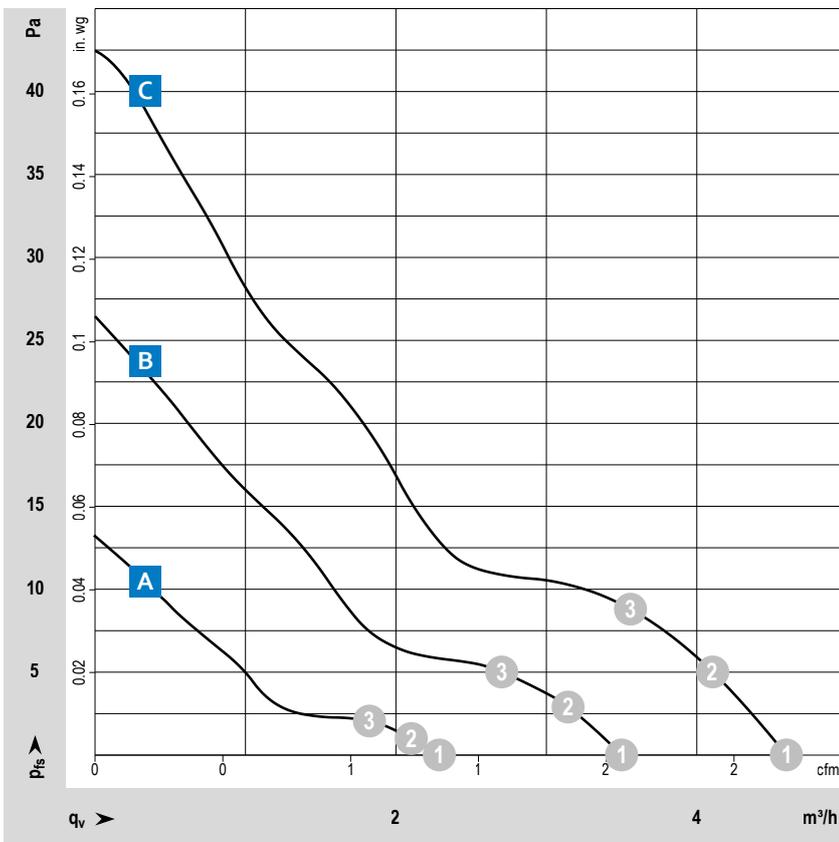
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

Options

- Speed signal
- Moisture protection

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

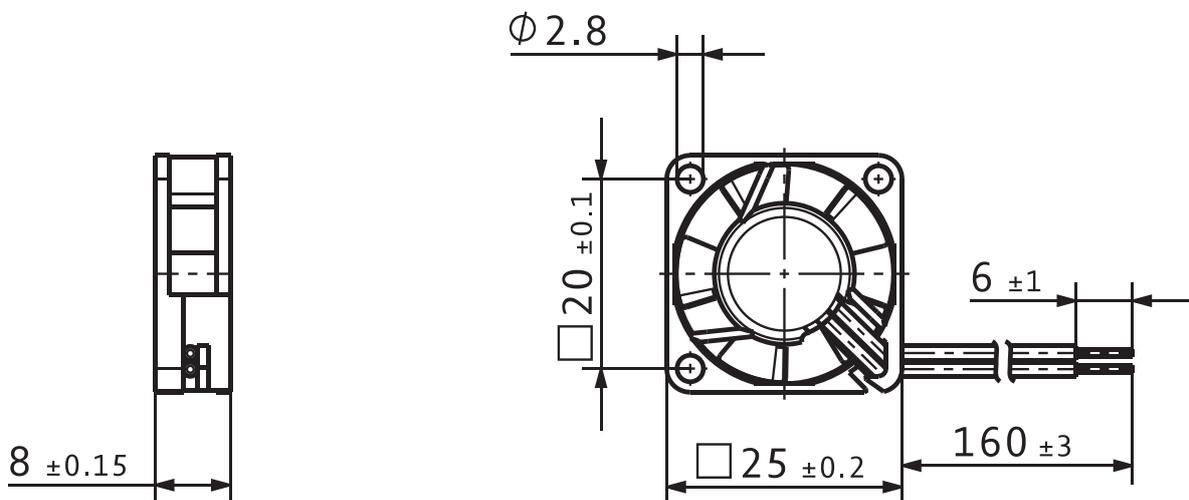
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level L_wA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level L_pA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (20 °C) ebm-papst standard	Life expectancy L ₁₀ FC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCA025AGBAS 255 M	9290904202	5	4.5...5.5	A	①	2.3	1.4	6 500	0.2	<3	5	-10...+70	45 000	47 500
					②	2.1	1.2	6 500	0.2	<3				
					③	1.8	1.1	6 690	0.2	<3				
VWCA025AGBAS 255 N	9290904200	5	4.5...5.5	B	①	3.5	2.0	9 600	0.4	<3	16	-10...+70	40 000	42 500
					②	3.2	1.9	9 610	0.4	<3				
					③	2.7	1.6	9 880	0.4	<3				
VWCA025AGBBS 255 H	9290904201	5	4.5...5.5	C	①	4.6	2.7	12 000	0.6	4.4	23	-10...+55	35 000	37 500
					②	4.1	2.4	11 910	0.6	4.4				
					③	3.6	2.1	12 160	0.6	4.4				
VWCA025AHBAS 252 N	9290904203	12	10...14	B	①	3.4	2.0	9 000	0.5	<3	15	-10...+70	40 000	42 500
					②	3.0	1.8	9 000	0.5	<3				
					③	2.7	1.6	9 270	0.5	<3				
VWCA025AHBBS 252 H	9290904220	12	10...14	C	①	4.7	2.8	12 000	0.6	4.4	23	-10...+55	35 000	37 500
					②	4.2	2.5	11 950	0.6	4.4				
					③	3.6	2.1	12 230	0.6	4.4				

Subject to changes.

Technical drawing

Dimensions in mm



VWCA040F...

DC axial fan · max. 9.9 m³/h · □ 40 x 10 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 5, 12 or 24VDC; compact, small and lightweight; low-profile, noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 28
- Electrical protection class: III
- Weight: 17 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

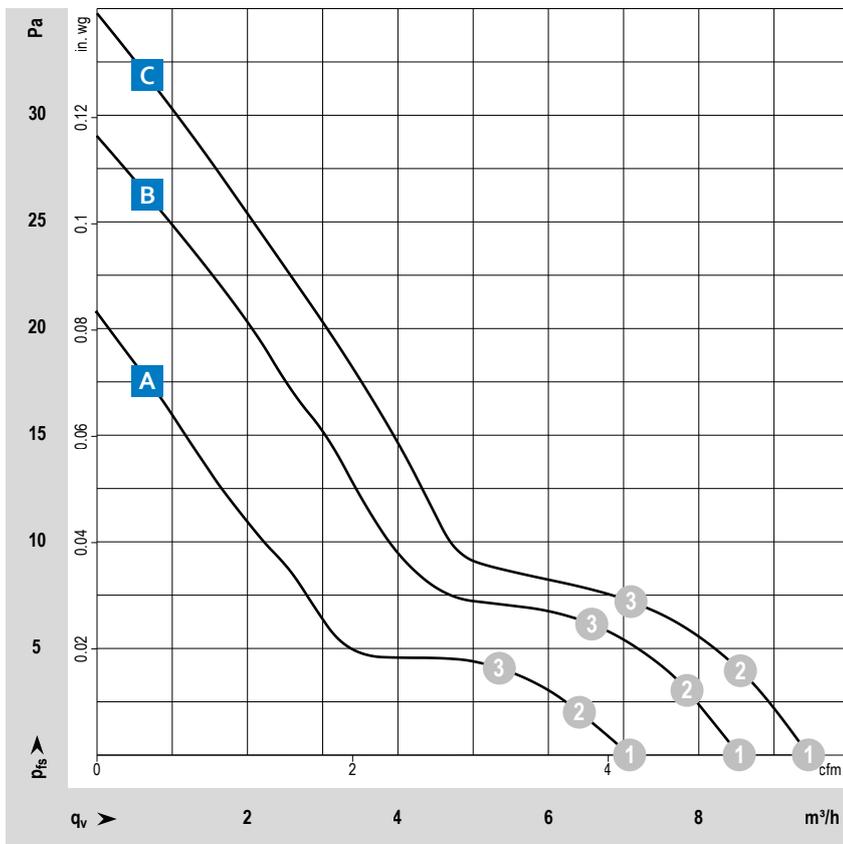
Options

- Speed signal
- Go / NoGo alarm
- Moisture protection

Special features

- Additional fan types with extended temperature range up to +85 °C

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Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

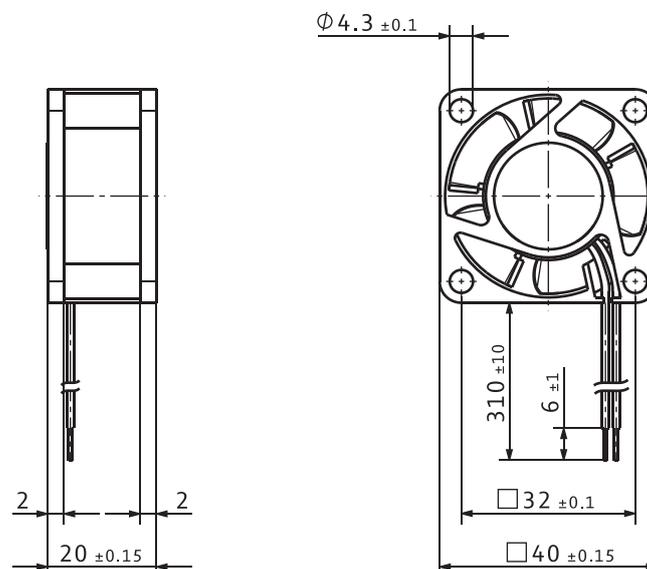
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (20 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCA040FGDBS 405 F	9291705010	5	4.5...5.5	B	①	8.7	5.1	5 400	0.6	3.7	22.1	-20...+70	45 000	47 500
					②	7.8	4.6	5 380	0.6	3.7				
					③	6.4	3.8	5 470	0.6	4.2				
VWCA040FGDCS 405 FH	9291705032	5	4.5...5.5	C	①	9.9	5.8	6 000	0.7	4.4	26.0	-20...+70	45 000	47 500
					②	8.9	5.2	5 970	0.7	4.4				
					③	7.3	4.3	6 050	0.7	4.8				
VWCA040FHDBS 412 FM	9291705011	12	10...14	A	①	7.1	4.2	4 300	0.5	3.7	17.0	-20...+70	45 000	47 500
					②	6.4	3.8	4 270	0.5	3.7				
					③	5.3	3.1	4 290	0.5	4.2				
VWCA040FHDBS 412 F	9291705002	12	10...14	B	①	9.1	5.4	5 400	0.6	4.0	22.1	-20...+70	45 000	47 500
					②	8.1	4.8	5 350	0.6	4.2				
					③	6.6	3.9	5 400	0.6	4.7				
VWCA040FHDCS 412 FH	9291705004	12	10...14	C	①	9.5	5.6	6 000	0.7	4.4	26.0	-20...+70	45 000	47 500
					②	8.6	5.1	5 990	0.7	4.4				
					③	7.0	4.1	6 080	0.7	4.8				
VWCA040FJDBS 414 F	9291705005	24	20...28	B	①	8.5	5.0	5 400	0.7	4.0	22.1	-20...+70	45 000	47 500
					②	7.8	4.6	5 390	0.7	4.2				
					③	6.5	3.8	5 440	0.7	4.7				
VWCA040FJDCS 414 FH	9291705037	24	21.6...26.4	C	①	9.8	5.8	6 000	0.7	4.4	26.0	-20...+70	45 000	47 500
					②	8.9	5.2	5 970	0.7	4.4				
					③	7.3	4.3	6 020	0.7	4.8				
Fan types with extended temperature range up to +85 °C														
VWCA040FJDCS 412 FM-074	9291705074	12	10...14	A	①	6.6	3.9	4 300	0.3	3.7	17.0	-20...+85	45 000	47 500
					②	6.0	3.5	4 310	0.3	3.7				
					③	5.0	2.9	4 320	0.3	4.2				
VWCA040FHDBS 412 F-130	9291705130	12	10...14	B	①	8.4	4.9	5 400	0.5	4.0	22.1	-20...+85	45 000	47 500
					②	7.7	4.5	5 370	0.5	4.2				
					③	6.5	3.8	5 390	0.5	4.7				
VWCA040FHDBS 412 FH-132	9291705132	12	10...14	C	①	9.3	5.5	6 000	0.6	4.4	26.0	-20...+85	45 000	47 500
					②	8.5	5.0	5 960	0.6	4.4				
					③	7.2	4.2	5 980	0.6	4.8				

Subject to changes.

Technical drawing

Dimensions in mm



VWCC040Y...

DC axial fan · max. 14.5 m³/h · □ 40 x 20 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 5, 12 or 24VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 28
- Electrical protection class: III
- Weight: 27 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

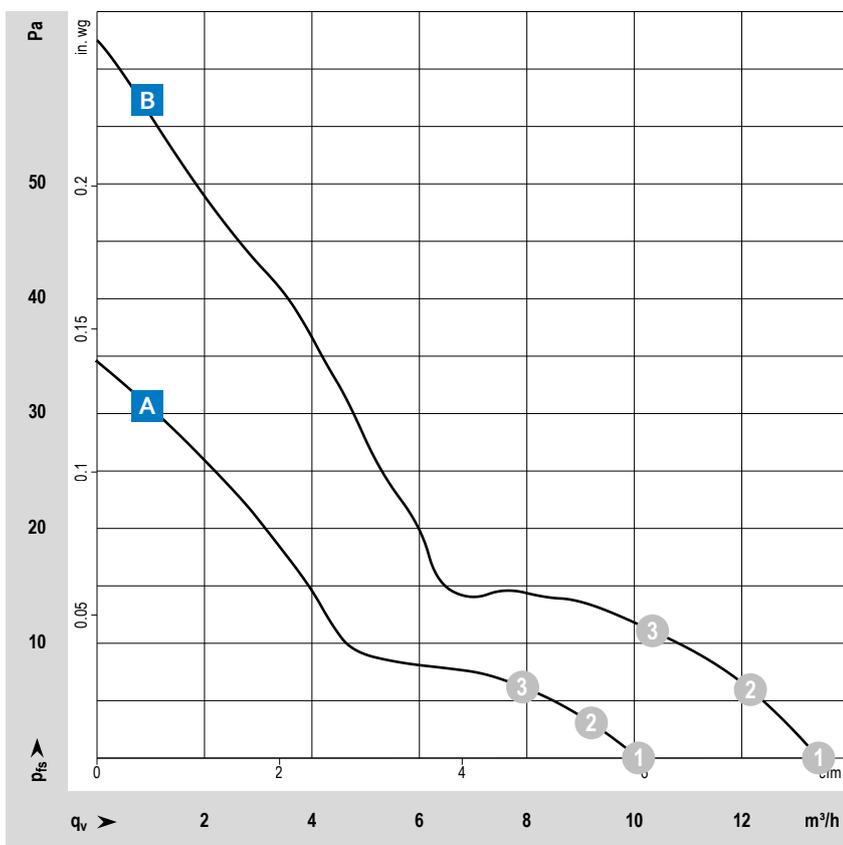
Options

- Speed signal
- Go / NoGo alarm
- PWM control input
- Moisture protection

Special features

- Additional fan types with extended temperature range up to +85 °C

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more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

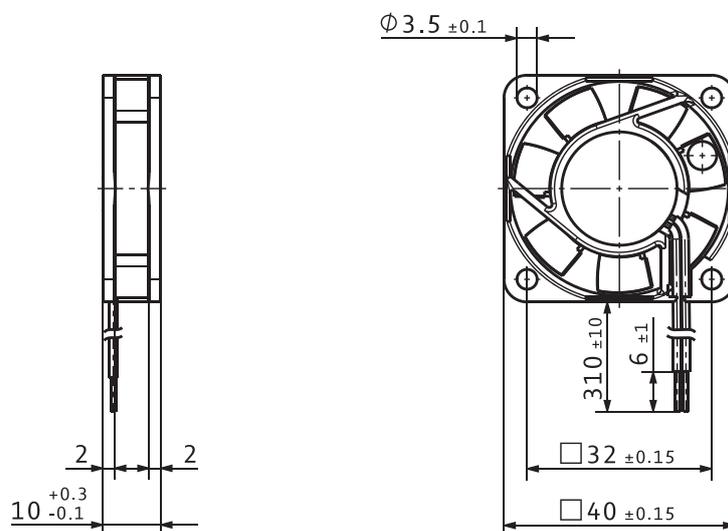
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (20 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCC040YGDSCS 405	9291708013	5	4.5...5.5	A	①	10.6	6.2	6 000	0.7	4.1	18	-20...+70	50 000	52 500
					②	9.7	5.7	5 980	0.7	4.1				
					③	8.5	5.0	6 020	0.7	4.2				
VWCC040YHDSCS 412	9291708001	12	10...14	A	①	10.1	5.9	6 000	0.6	4.1	18	-20...+70	50 000	52 500
					②	9.1	5.4	6 030	0.6	4.1				
					③	7.8	4.6	6 120	0.6	4.2				
VWCC040YHDSCS 412 H	9291708012	12	10...14	B	①	13.4	7.9	8 100	1.3	4.7	29	-20...+60	45 000	47 500
					②	12.2	7.2	8 120	1.3	4.7				
					③	10.3	6.1	8 330	1.3	4.8				
VWCC040YJDSCS 414	9291708002	24	20...28	A	①	10.3	6.1	6 000	0.7	4.1	18	-20...+70	50 000	52 500
					②	9.3	5.5	6 000	0.7	4.1				
					③	8.1	4.8	6 100	0.7	4.2				
VWCC040YJDSCS 414 H	9291708007	24	20...26.5	B	①	14.5	8.5	8 100	1.3	4.7	29	-20...+60	45 000	47 500
					②	13.3	7.8	8 060	1.4	4.7				
					③	11.6	6.8	8 110	1.3	4.8				
Fan types with extended temperature range up to +85 °C														
VWCC040YHDSCS 412-099	9291708099	12	10...14	A	①	10.1	5.9	6 000	0.6	4.1	18	-20...+70	50 000	52 500
					②	9.1	5.4	6 030	0.6	4.1				
					③	7.8	4.6	6 120	0.6	4.2				

Subject to changes.

Technical drawing

Dimensions in mm



VWCE040J...

DC axial fan · max. 38.9 m³/h · □ 40 x 28 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact, small and lightweight; noise and efficiency optimized axial fan with rather rigid characteristic curve
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 28
- Electrical protection class: III
- Weight: 45 g

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more at	www.ebmpapst.com

Approvals

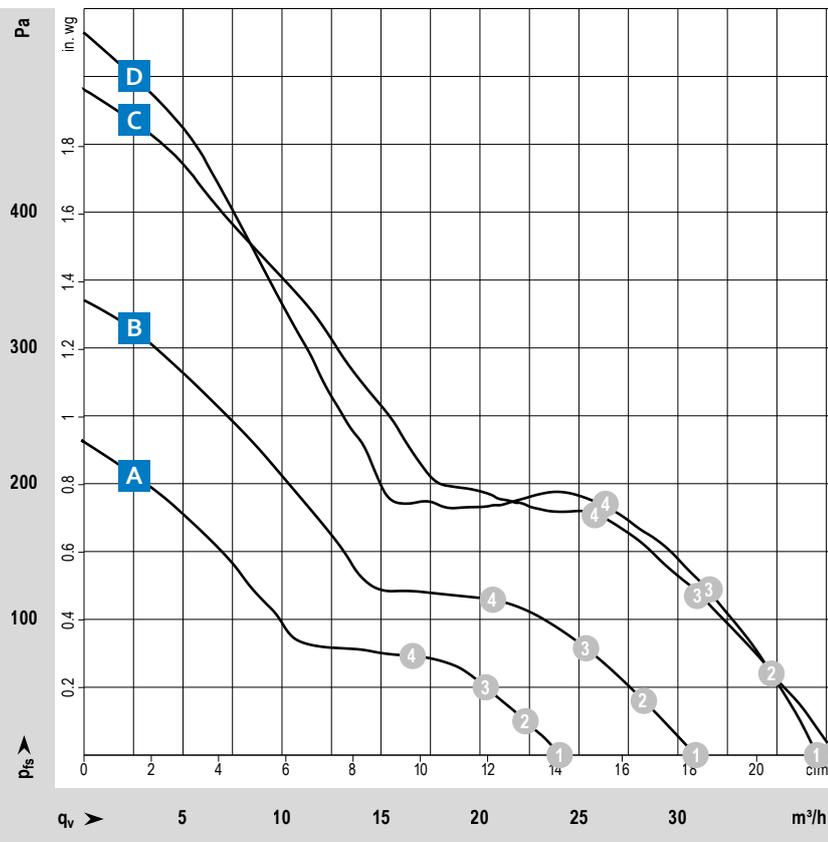
- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm - alarm with speed limit
- External temperature sensor
- PWM control input - analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Additional fan types with protection class IP68, -40 °C, Speed signal, PWM control input and EMC limit values, class B



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

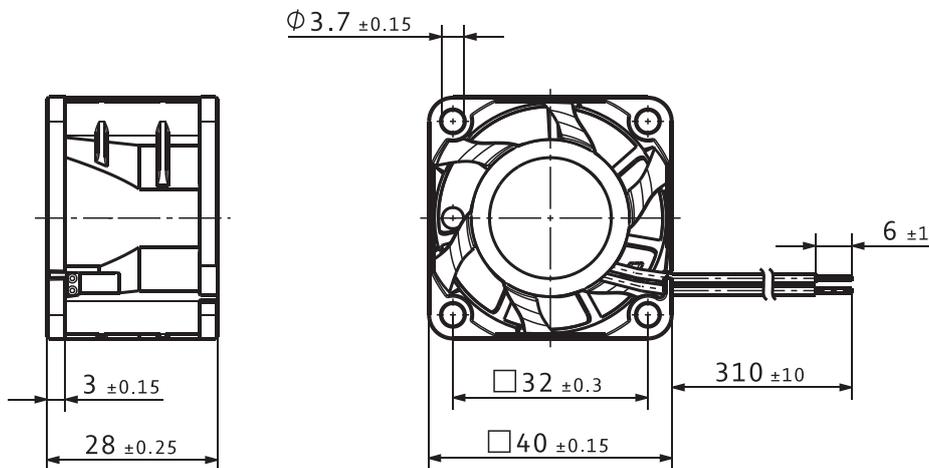
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCE040JHDDS 422 JM	9291908014	12	8...13.8	A	①	24.0	14.1	11 400	2.8	6.1	42	-20...+70	75 000	127 500
					②	22.3	13.1	11 350	2.8	6.0				
					③	20.3	11.9	11 440	2.8	5.9				
					④	16.6	9.8	11 750	2.6	5.8				
VWCE040JHDES 422 JN	9291908012	12	8...13.8	B	①	30.9	18.2	14 250	3.6	6.4	48	-20...+70	67 500	115 000
					②	28.3	16.7	14 160	3.6	6.4				
					③	25.4	14.9	14 200	3.6	6.4				
					④	20.7	12.2	14 600	3.5	6.5				
VWCE040JHDES 422 JH	9291908009	12	8...13.8	C	①	38.0	22.4	17 250	7.0	7.0	54	-20...+70	60 000	102 500
					②	34.8	20.5	17 040	7.0	6.9				
					③	31.1	18.3	17 100	7.0	6.8				
					④	25.9	15.2	17 570	6.7	6.9				
VWCE040JJDDS 424 JM	9291908011	24	16...28	A	①	23.6	13.9	11 400	2.7	6.1	42	-20...+70	75 000	127 500
					②	22.1	13.0	11 400	2.7	6.0				
					③	20.2	11.9	11 480	2.7	5.9				
					④	16.6	9.8	11 780	2.6	5.8				
VWCE040JJDES 424 JN	9291908015	24	16...28	B	①	31.8	18.7	14 250	4.0	6.4	48	-20...+70	67 500	115 000
					②	29.1	17.1	14 200	4.0	6.4				
					③	25.9	15.2	14 200	4.0	6.4				
					④	21.2	12.5	14 700	3.8	6.5				
VWCE040JJDES 424 JH	9291908013	24	16...26.4	C	①	37.8	22.2	17 250	6.3	7.0	54	-20...+65	60 000	102 500
					②	35.0	20.6	17 200	6.4	6.9				
					③	31.3	18.4	17 200	6.4	6.8				
					④	26.0	15.3	17 600	6.1	6.9				
Fan types with protection class IP68, -40 °C, Speed signal, PWM control input and EMC limit values, class B														
VWCE040JUDBS 422 J/2 HPU	9691900181	12	8...13.8	D	①	37.0	21.8	17 250	7.4	6.9	56	-40...+70	60 000	102 500
					②	34.7	20.4	17 250	7.6	6.8				
					③	31.5	18.5	17 270	7.6	6.8				
					④	26.3	15.5	17 250	7.0	6.6				
VWCE040JJDEZ 424 J/2 HPU	9691900185	24	18...28	D	①	38.9	22.9	17 250	7.7	6.9	56	-40...+70	60 000	102 500
					②	36.0	21.2	17 260	7.7	6.8				
					③	32.4	19.1	17 260	7.7	6.8				
					④	26.5	15.6	17 250	7.0	6.6				
VWCE040JKDES 428 J/2 HPU	9691900183	48	36...60	D	①	37.1	21.8	17 250	7.5	6.9	56	-40...+70	60 000	102 500
					②	34.5	20.3	17 240	7.6	6.8				
					③	31.3	18.4	17 270	7.5	6.8				
					④	25.9	15.2	17 250	7.0	6.6				

Subject to changes.

DC axial fans

Technical drawing

Dimensions in mm



VWCB050F...

DC axial fan · max. 18.8 m³/h · □ 50 x 15 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fans available in 12 or 24VDC; compact, small and lightweight; low-profile, noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 28
- Electrical protection class: III
- Weight: 25 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

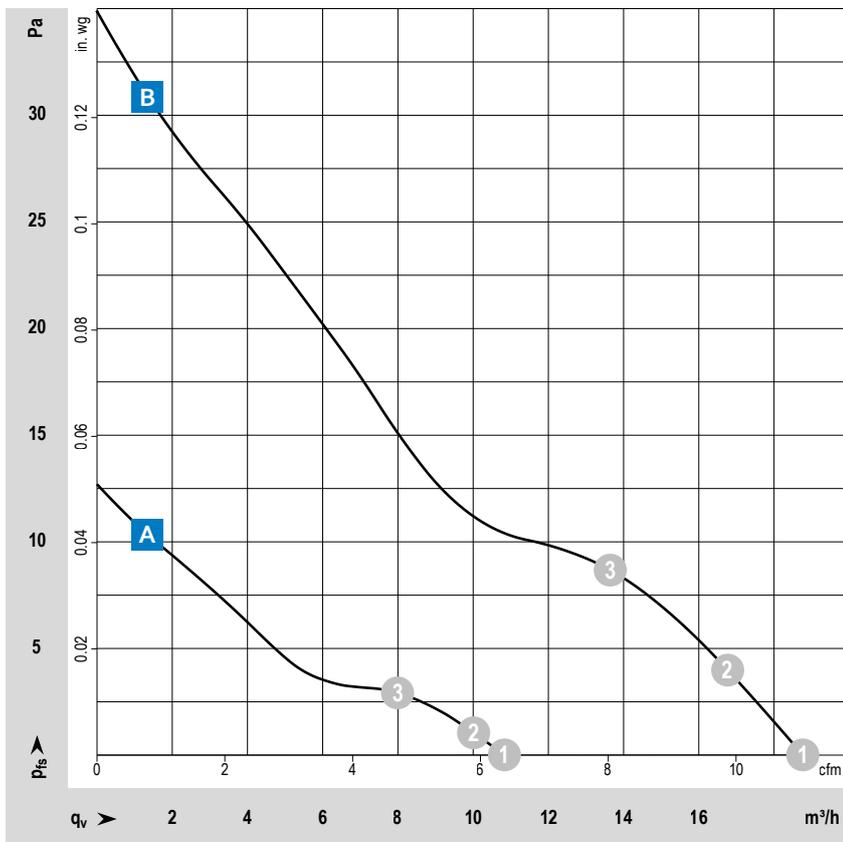
Options

- Speed signal
- Go / NoGo alarm
- PWM control input
- Moisture protection

Special features

- Additional fan types with extended temperature range up to +85 °C

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

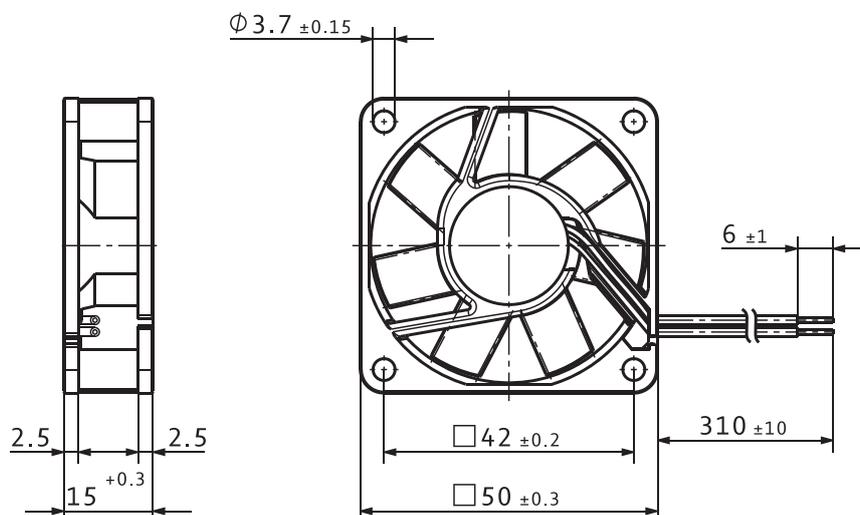
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (20 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. 11
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCB050FHDCS 512 F	9291706501	12	10.8...13.2	B	①	18.8	11.1	5 000	0.8	4.7	30	-20...+70	50 000	52 500
					②	16.8	9.9	4 970	0.8	4.6				
					③	13.5	7.9	5 030	0.8	4.6				
VWCB050FJDCS 514 F	9291706507	24	21.6...26.4	B	①	18.8	11.1	5 000	0.8	4.7	30	-20...+70	50 000	52 500
					②	16.8	9.9	4 930	0.8	4.6				
					③	13.9	8.2	4 960	0.8	4.6				
Fan types with extended temperature range up to +85 °C														
VWCB050FHDCS 512 FL-547	9291706547	12	10.2...13.8	A	①	10.8	6.4	3 000	0.3	3.8	18	-20...+85	50 000	52 500
					②	9.8	5.8	2 980	0.3	3.9				
					③	8.1	4.8	3 000	0.3	3.8				
VWCB050FHDCS 512 F-532	9291706532	12	10.8...13.2	B	①	17.8	10.5	5 000	0.8	4.7	30	-20...+85	50 000	52 500
					②	15.4	9.1	5 000	0.8	4.6				
					③	12.1	7.1	5 140	0.7	4.6				

Subject to changes.

Technical drawing

Dimensions in mm



VWCB060F...

DC axial fan · max. 31.3 m³/h · □ 60 x 15 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fans available in 5, 12 or 24VDC; compact, small and lightweight; low-profile, noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 28
- Electrical protection class: III
- Weight: 30 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

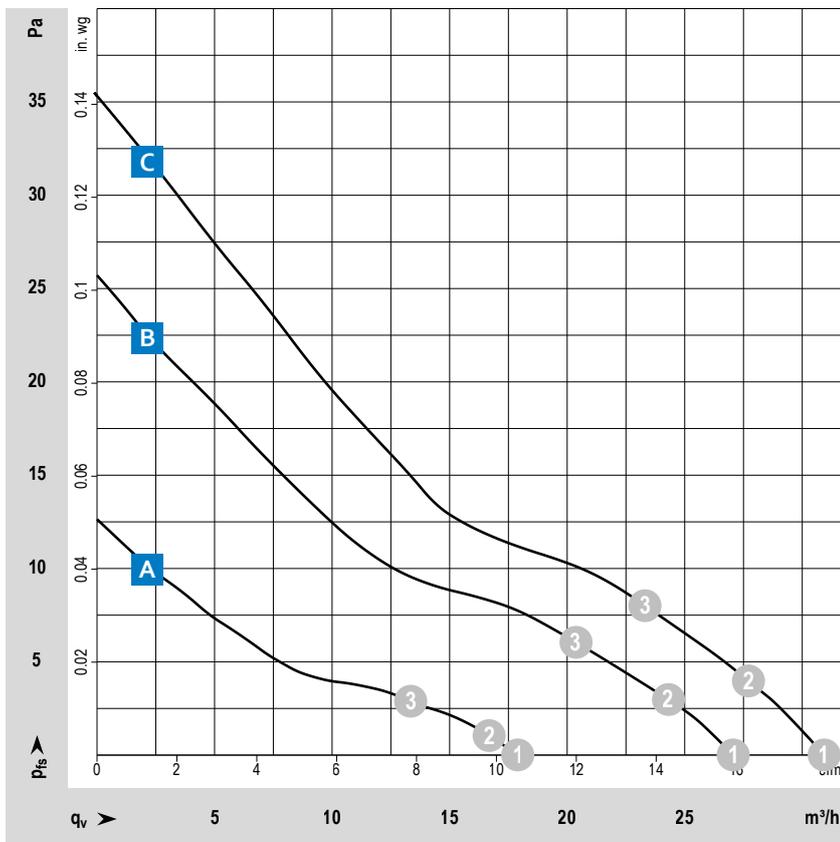
Options

- Speed signal
- Go / NoGo alarm
- PWM control input
- Moisture protection

Special features

- Additional fan types with extended temperature range up to +85 °C

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

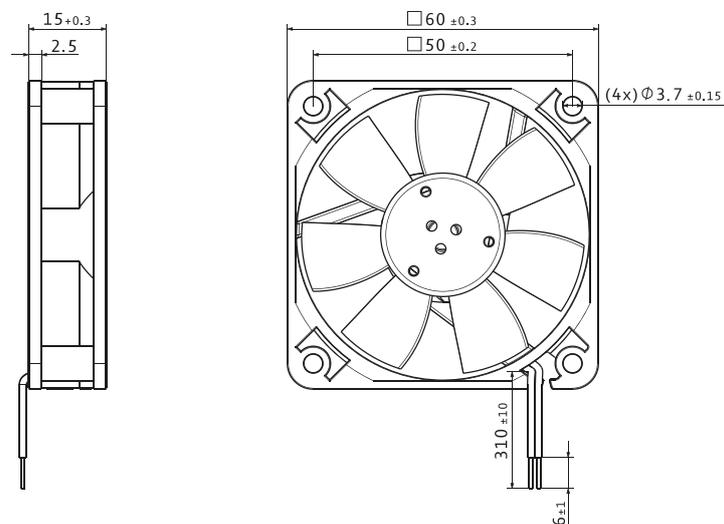
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (20 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCB060FGDDS 605 F	9291708611	5	4.5...5.2	B	①	26.8	15.8	3 900	1.0	4.5	27	-20...+50	50 000	52 500
					②	24.4	14.4	3 820	1.0	4.4				
					③	20.4	12.0	3 760	1.0	4.6				
VWCB060FHDCS 612 FL	9291708607	12	11.5...13.2	A	①	17.9	10.5	2 650	0.4	3.5	16	-20...+70	50 000	52 500
					②	16.3	9.6	2 600	0.4	3.5				
					③	13.6	8.0	2 580	0.4	3.7				
VWCB060FHDDS 612 F	9291708601	12	10.8...13.2	B	①	27.0	15.9	3 900	0.9	4.5	27	-20...+70	50 000	52 500
					②	24.4	14.4	3 830	0.9	4.4				
					③	20.3	11.9	3 780	0.9	4.6				
VWCB060FHDES 612 FH	9291708615	12	10.0...13.2	C	①	31.3	18.4	4 500	1.3	4.7	31	-20...+60	45 000	47 500
					②	28.3	16.7	4 400	1.3	4.6				
					③	23.4	13.8	4 310	1.3	4.9				
VWCB060FJDDS 614 F	9291708612	24	21.6...26.4	B	①	27.1	16.0	3 900	0.9	4.5	27	-20...+70	50 000	20 000
					②	24.4	14.4	3 800	0.9	4.4				
					③	20.3	11.9	3 750	0.9	4.6				
VWCB060FJDEZ 614 F/39 H-691	9291706691	24	16...28	C	①	30.9	18.2	4 500	1.2	4.7	31	-20...+60	45 000	47 500
					②	27.8	16.4	4 410	1.3	4.6				
					③	23.3	13.7	4 370	1.3	4.9				
Fan types with extended temperature range up to +80 / 85 °C														
VWCB060FHDCS 612 FL-680	9291706680	12	11.5...14	A	①	18.0	10.6	2 650	0.4	3.5	16	-20...+85	50 000	52 500
					②	15.9	9.4	2 600	0.4	3.5				
					③	13.3	7.8	2 590	0.4	3.7				
VWCB060FHDDS 612 F-637	9291708637	12	10.8...12.6	B	①	27.0	15.9	3 900	0.8	4.5	27	-20...+80	50 000	52 500
					②	24.1	14.2	3 810	0.8	4.4				
					③	20.0	11.8	3 790	0.8	4.6				

Subject to changes.

Technical drawing

Dimensions in mm



VWCD060A...

DC axial fan · max. 66 m³/h · □ 60 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12 or 24 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 70 g

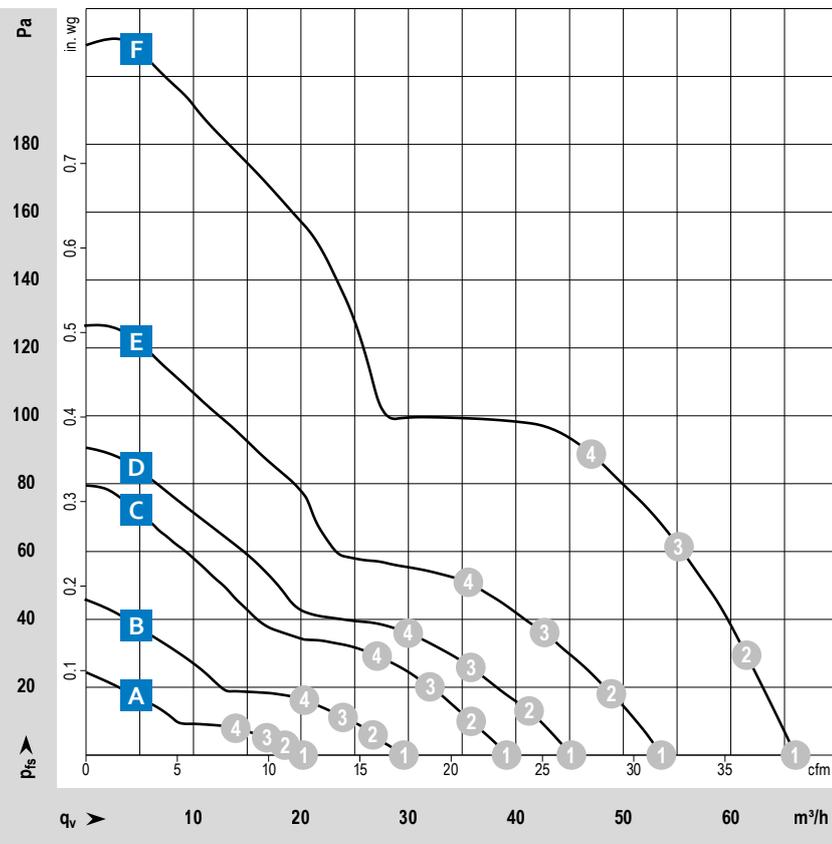
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Nominal voltage 48 VDC

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

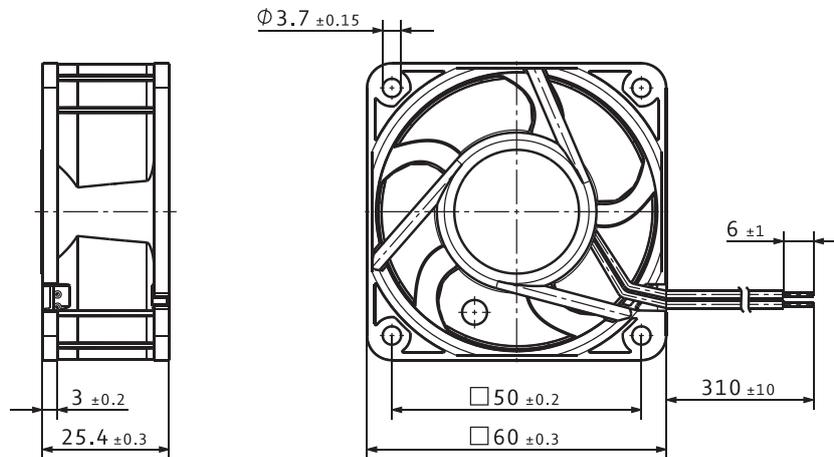
Noise: Total sound p_w level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD060AHEFS 622 N	9292207003	12	8...15	C	①	39.1	23.0	6100	1.9	5.3	35	-20...+70	72 500	122 500
					②	36.2	21.3	6030	1.9	5.3				
					③	32.0	18.8	5980	1.9	5.1				
					④	27.1	16.0	6000	1.9	5.1				
VWCD060AHEFS 622 H	9292207004	12	8...15	D	①	45.2	26.6	6850	2.2	5.5	39	-20...+70	70 000	117 500
					②	41.2	24.2	6750	2.3	5.5				
					③	35.9	21.1	6700	2.3	5.4				
					④	30.0	17.7	6700	2.3	5.3				
VWCD060AHEGS 622 HH	9292207006	12	8...15	E	①	54.0	31.8	8200	3.4	6.0	43	-20...+70	65 000	110 000
					②	48.8	28.7	8080	3.5	5.9				
					③	42.6	25.1	8000	3.6	5.8				
					④	35.6	21.0	8020	3.6	5.6				
VWCD060AHEGS 622/2 H3P	9692200205	12	8...15	F	①	66.0	38.8	9700	8.1	6.6	48	-20...+70	62 500	105 000
					②	61.0	35.9	9700	8.5	6.5				
					③	55.0	32.4	9690	8.9	6.3				
					④	47.1	27.7	9680	9.1	6.2				
VWCD060AJEDS 624 L	9292207005	24	18...28	A	①	20.2	11.9	3200	1.0	3.7	20	-20...+70	80 000	135 000
					②	18.7	11.0	3180	1.0	3.7				
					③	16.6	9.8	3180	1.0	3.6				
					④	14.0	8.2	3180	1.0	3.7				
VWCD060AJEES 624 M	9292207007	24	18...28	B	①	29.6	17.4	4550	1.3	4.6	29	-20...+70	77 500	130 000
					②	26.8	15.8	4480	1.4	4.5				
					③	23.8	14.0	4500	1.4	4.5				
					④	20.2	11.9	4520	1.3	4.5				
VWCD060AJEFS 624 N	9292207008	24	18...28	C	①	39.1	23.0	6100	2.1	5.3	35	-20...+70	72 500	122 500
					②	35.9	21.1	6050	2.1	5.3				
					③	31.9	18.8	6000	2.1	5.1				
					④	27.0	15.9	6000	2.1	5.1				
VWCD060AJEFS 624 H	9292207009	24	18...28	D	①	44.1	26.0	6850	2.4	5.5	39	-20...+70	70 000	117 500
					②	40.7	24.0	6750	2.5	5.5				
					③	35.9	21.1	6690	2.5	5.4				
					④	30.3	17.8	6680	2.5	5.3				
VWCD060AJEGS 624 HH	9292207010	24	18...28	E	①	55.0	32.4	8200	3.2	6.0	43	-20...+70	65 000	110 000
					②	49.6	29.2	8050	3.3	5.9				
					③	43.4	25.5	7920	3.4	5.8				
					④	36.5	21.5	7890	3.4	5.6				
VWCD060AJEGS 624/2 H3P	9692200204	24	18...28	F	①	66.0	38.8	9700	7.0	6.6	48	-20...+70	62 500	105 000
					②	61.0	35.9	9700	7.4	6.5				
					③	55.0	32.4	9710	7.7	6.3				
					④	46.6	27.4	9700	7.9	6.2				

Subject to changes.

Technical drawing

Dimensions in mm



VWCD060X...

DC axial fan · max. 59 m³/h · □ 60 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 70 g

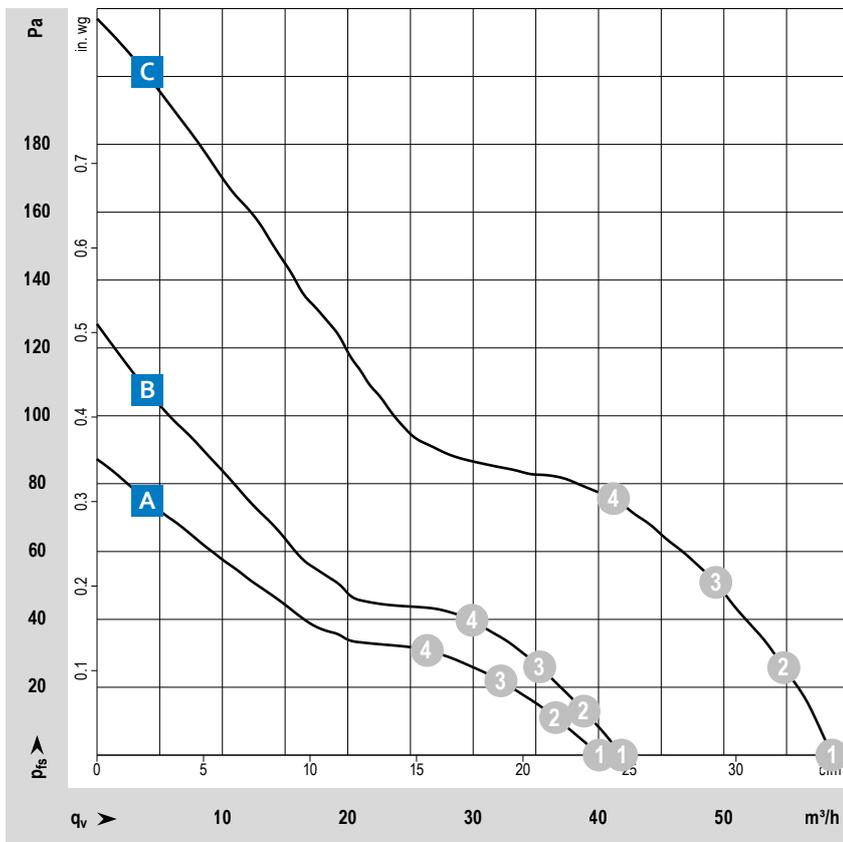
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68
- Salt spray protection

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

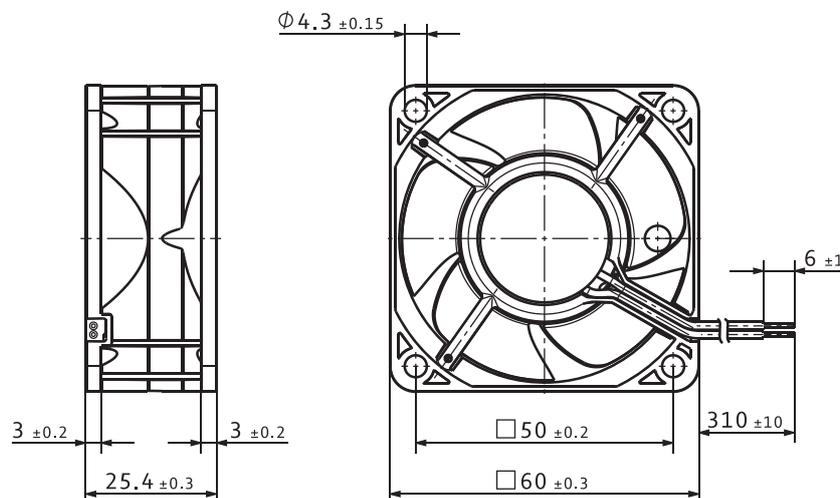
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)		°C	Hours
VWCD060XHEFS 632 NU	9292308002	12	6...15	A	①	40.1	23.6	5900	1.6	5.2	33	-20...+70	85 000	142 500
					②	36.5	21.5	5820	1.7	5.2				
					③	32.3	19.0	5780	1.7	5.2				
					④	26.4	15.5	5770	1.7	5.3				
VWCD060XHEFS 632/2 HPU	9692300186	12	10.8...13.2	B	①	41.8	24.6	6300	1.6	5.5	35	-20...+70	85 000	142 500
					②	38.9	22.9	6240	1.7	5.5				
					③	35.3	20.8	6250	1.8	5.4				
					④	30.0	17.7	6250	1.9	5.4				
VWCD060XJEFZ 634 NU	9292308004	24	12...30	A	①	38.9	22.9	5900	1.6	5.2	34	-20...+70	85 000	142 500
					②	35.7	21.0	5840	1.7	5.2				
					③	31.8	18.7	5790	1.8	5.2				
					④	26.3	15.5	5780	1.8	5.3				
VWCD060XJEGS 634 HHU	9692300188	24	18...28	C	①	58.0	34.1	8500	3.1	6.5	44	-20...+70	75 000	127 500
					②	54.0	31.8	8500	3.4	6.4				
					③	48.8	28.7	8480	3.7	6.2				
					④	40.9	24.1	8460	3.8	6.2				
VWCD060XJEGS 634/2 HHPU	9692300189	24	18...28	C	①	58.0	34.1	8500	3.1	6.5	44	-20...+70	75 000	127 500
					②	54.0	31.8	8500	3.4	6.4				
					③	48.8	28.7	8480	3.7	6.2				
					④	40.9	24.1	8460	3.8	6.2				
VWCD060XKEFS 638/2 HPU	9692300193	48	40...60	B	①	41.5	24.4	6300	1.9	5.5	35	-20...+70	85 000	142 500
					②	38.8	22.8	6280	2.0	5.5				
					③	35.2	20.7	6270	2.1	5.4				
					④	29.7	17.5	6250	2.1	5.4				
VWCD060XKEGS 638/2 HHPU	9692300192	48	40...60	C	①	59.0	34.7	8500	3.3	6.5	44	-20...+70	75 000	127 500
					②	55.0	32.4	8500	3.6	6.4				
					③	49.4	29.1	8500	3.9	6.2				
					④	41.3	24.3	8460	4.0	6.2				

Subject to changes.

DC axial fans

Technical drawing

Dimensions in mm



VWCD060Y...

DC axial fan · max. 53 m³/h · □ 60 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 66 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

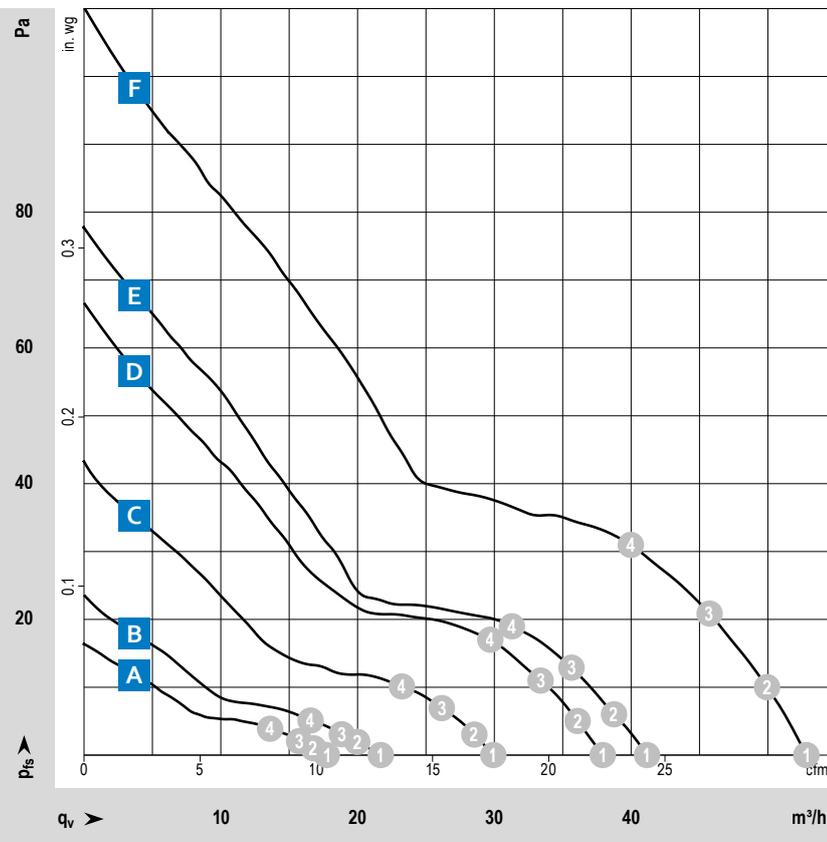
Options

- Speed signal
- Go / NoGo alarm
- Moisture protection
- Degree of protection: up to IP68

Special features

- Some fan types suitable for use at high ambient temperatures up to 85 °C.

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

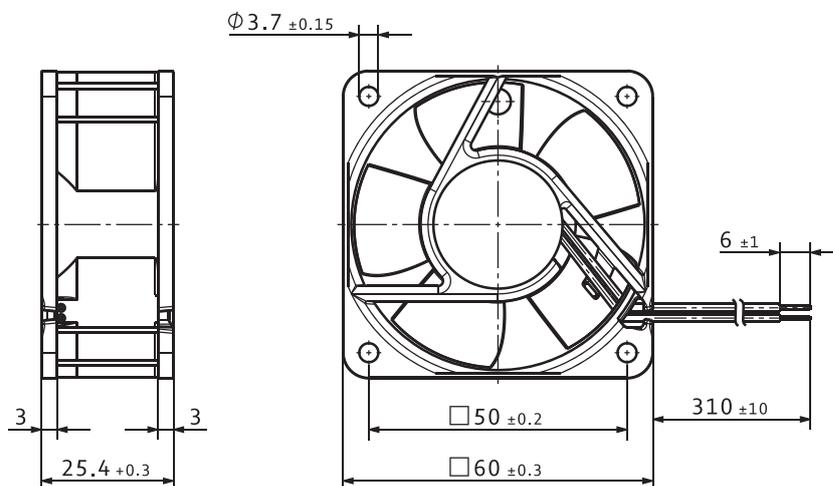
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD060YHECS 612 NGLE	9292206177	12	8...15	A	①	17.1	10.1	2 500	0.6	3.6	16	-20...+85	80 000	135 000
					②	16.3	9.6	2 490	0.6	3.6				
					③	15.4	9.1	2 470	0.6	3.5				
					④	13.8	8.1	2 470	0.6	3.5				
VWCD060YHECS 612 NLE	9272206171	12	8...15	A	①	17.7	10.4	2 500	0.3	3.6	16	-20...+85	80 000	135 000
					②	16.7	9.8	2 480	0.3	3.6				
					③	15.5	9.1	2 480	0.3	3.5				
					④	13.8	8.1	2 470	0.3	3.5				
VWCD060YHEDS 612 NGMLE	9292206172	12	8...15	B	①	23.0	13.5	3 000	0.7	4.0	19	-20...+80	80 000	135 000
					②	21.7	12.8	2 990	0.7	3.9				
					③	20.2	11.9	2 970	0.7	3.8				
					④	17.6	10.4	2 960	0.7	3.9				
VWCD060YHECS 612 NMLE	9292206174	12	8...15	B	①	21.7	12.8	3 000	0.5	4.0	19	-20...+85	80 000	135 000
					②	20.2	11.9	2 990	0.5	3.9				
					③	18.6	10.9	3 000	0.5	3.8				
					④	16.4	9.7	2 990	0.5	3.9				
VWCD060YHEES 612 NGME	9272206175	12	8...15	C	①	31.0	18.2	4 100	1.2	4.7	28	-20...+75	80 000	135 000
					②	29.2	17.2	4 060	1.2	4.7				
					③	26.9	15.8	4 030	1.2	4.7				
					④	23.3	13.7	4 000	1.2	4.6				
VWCD060YHEES 612 NME	9292206173	12	8...15	C	①	29.9	17.6	4 100	0.9	4.7	28	-20...+75	80 000	135 000
					②	28.4	16.7	4 080	0.9	4.7				
					③	26.3	15.5	4 040	1.0	4.7				
					④	23.2	13.7	4 030	1.0	4.6				
VWCD060YHEFS 612 NN	9272206018	12	8...15	D	①	37.9	22.3	5 100	1.4	5.2	35	-20...+70	70 000	117 500
					②	36.0	21.2	5 070	1.5	5.2				
					③	33.4	19.7	5 030	1.5	5.1				
					④	29.7	17.5	5 000	1.5	5.1				
VWCD060YHEFS 612 NH	9272206026	12	8...15	E	①	41.2	24.2	5 600	1.7	5.5	37	-20...+70	70 000	117 500
					②	38.7	22.8	5 540	1.8	5.4				
					③	35.8	21.1	5 510	1.8	5.4				
					④	31.3	18.4	5 500	1.8	5.3				
VWCD060YHEGS 612 NHH-118	9272206118	12	8...15	F	①	53.0	31.2	6 800	2.6	5.9	41	-20...+70	60 000	102 500
					②	49.9	29.4	6 730	2.7	5.8				
					③	45.9	27.0	6 630	2.8	5.7				
					④	40.0	24.0	6 570	2.8	5.6				

Subject to changes. More types in 24 or 48 VDC on the next page.

Technical drawing

Dimensions in mm



VWCD060Y...

DC axial fan · max. 52 m³/h · □ 60 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 66 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

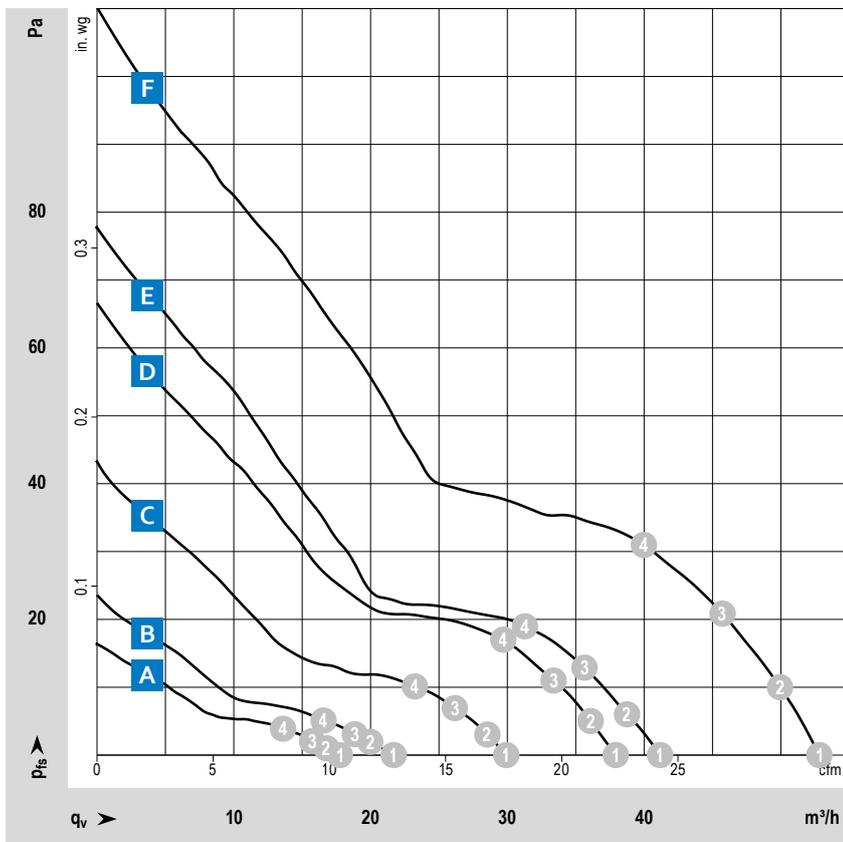
Options

- Speed signal
- Go / NoGo alarm
- Moisture protection
- Degree of protection: up to IP68

Special features

- Some fan types suitable for use at high ambient temperatures up to 85 °C.

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

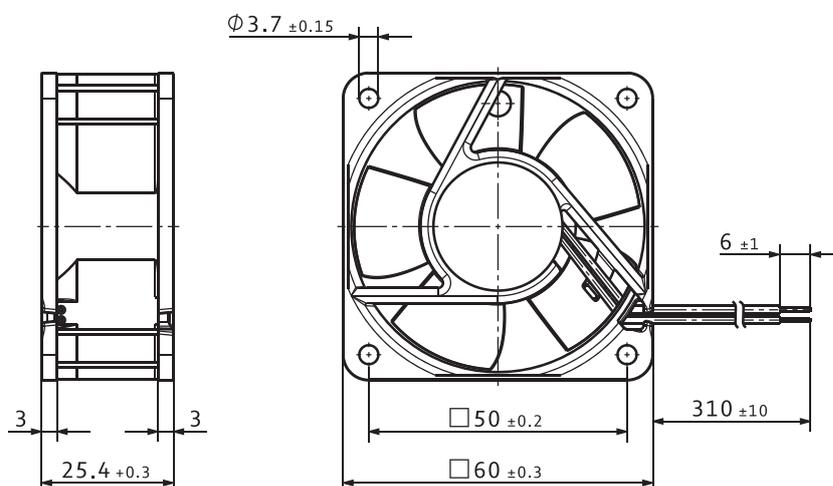
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)		°C	Hours
VWCD060YJECS 614 NGL	9272206012	24	18...28	A	①	17.1	10.1	2 500	1.0	3.6	16	-20...+70	80 000	135 000
					②	16.6	9.8	2 500	1.0	3.6				
					③	15.8	9.3	2 500	1.0	3.5				
					④	13.8	8.1	2 490	1.0	3.5				
VWCD060YJECS 614 NL	9292206097	24	18...28	A	①	17.4	10.2	2 500	0.9	3.6	16	-20...+70	80 000	135 000
					②	16.9	9.9	2 490	0.9	3.6				
					③	15.7	9.2	2 490	0.9	3.5				
					④	14.1	8.3	2 480	0.9	3.5				
VWCD060YJEDS 614 NGML	9292206010	24	18...28	B	①	20.6	12.1	3 000	1.2	4.0	19	-20...+70	80 000	135 000
					②	19.8	11.7	3 000	1.2	3.9				
					③	18.7	11.0	2 990	1.2	3.8				
					④	16.8	9.9	2 990	1.2	3.9				
VWCD060YJEDS 614 NML	9292206140	24	18...28	B	①	20.5	12.1	3 000	0.9	4.0	19	-20...+70	80 000	135 000
					②	19.9	11.7	3 000	0.9	3.9				
					③	18.8	11.1	2 990	0.9	3.8				
					④	16.6	9.8	2 980	0.9	3.9				
VWCD060YJEES 614 NGM	9272206011	24	18...28	C	①	29.9	17.6	4 100	1.6	4.7	28	-20...+70	80 000	135 000
					②	28.4	16.7	4 090	1.6	4.7				
					③	26.3	15.5	4 070	1.6	4.7				
					④	23.1	13.6	4 070	1.6	4.6				
VWCD060YJEES 614 NM	9272206032	24	18...28	C	①	30.0	17.7	4 100	1.3	4.7	28	-20...+70	80 000	135 000
					②	28.3	16.7	4 080	1.3	4.7				
					③	26.4	15.5	4 060	1.3	4.7				
					④	23.1	13.6	4 050	1.3	4.6				
VWCD060YJEFS 614 NN	9272206076	24	18...28	D	①	37.6	22.1	5 100	1.9	5.2	35	-20...+70	70 000	117 500
					②	35.7	21.0	5 080	2.0	5.2				
					③	33.1	19.5	5 050	2.0	5.1				
					④	28.7	16.9	5 050	2.0	5.1				
VWCD060YJEFS 614 NH	9272206072	24	18...26	E	①	41.4	24.4	5 600	1.9	5.5	37	-20...+70	70 000	117 500
					②	39.4	23.2	5 560	1.9	5.4				
					③	36.5	21.5	5 520	2.0	5.4				
					④	31.8	18.7	5 510	2.0	5.3				
VWCD060YJEGS 614 NHH	9272206033	24	18...26	F	①	52.0	30.6	6 850	2.8	5.9	41	-20...+70	60 000	102 500
					②	49.7	29.3	6 790	2.8	5.8				
					③	45.7	26.9	6 730	2.9	5.7				
					④	39.5	23.0	6 710	2.9	5.6				
VWCD060YKEFS 618 NN	9292206152	48	36...56	D	①	38.0	22.4	5 100	2.1	5.2	35	-20...+65	70 000	117 500
					②	36.1	21.2	5 060	2.1	5.2				
					③	33.4	19.7	5 020	2.1	5.1				
					④	29.4	17.3	5 000	2.1	5.1				

Subject to changes. More types in 12VDC on the previous page.

Technical drawing

Dimensions in mm



VWCE060J...

DC axial fan · max. 70 m³/h · □ 60 x 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan with rigid characteristic curve
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 100 g

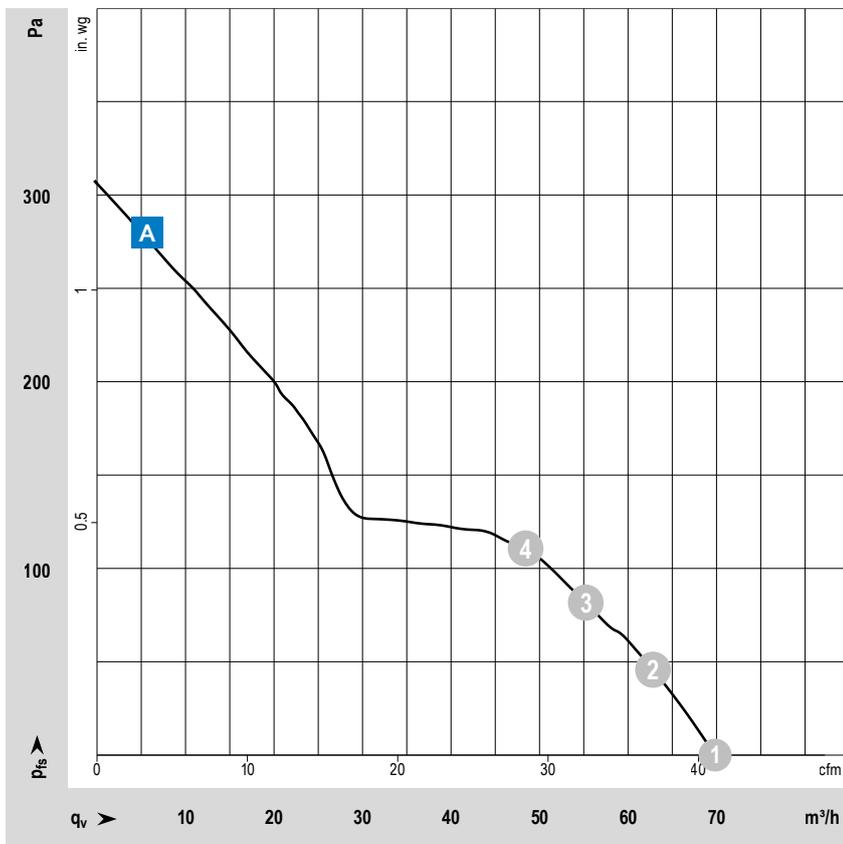
from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- PWM control input
- Analog control input
- Moisture protection



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

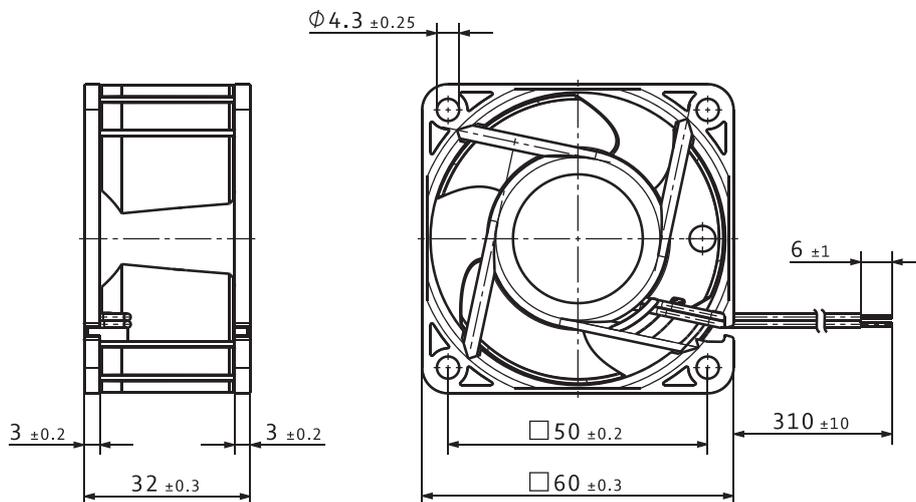
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)		°C	Hours
VWCE060JHEHS 612 JH	9292512003	12	7...13.6	A	①	70	41	11 700	6.6	6.8	53	-20...+70	57 500	97 500
					②	63	37	11 510	6.9	6.6				
					③	55	32	11 390	7.2	6.4				
					④	48	28	11 330	7.3	6.4				
VWCE060JJEHS 614 JH	9292512004	24	14...26.4	A	①	69	41	11 700	6.8	6.8	53	-20...+70	57 500	97 500
					②	62	36	11 510	7.1	6.6				
					③	55	32	11 420	7.4	6.4				
					④	48	28	11 350	7.5	6.4				
VWCE060JKEHS 618 JH	9692510166	48	36...56	A	①	70	41	11 700	6.8	6.8	53	-20...+70	57 500	97 500
					②	63	37	11 530	7.2	6.6				
					③	55	32	11 440	7.5	6.4				
					④	49	29	11 380	7.6	6.4				

Subject to changes.

Technical drawing

Dimensions in mm



VWCB070F...

DC axial fan · max. 43.9 m³/h · □ 70 x 15 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12 or 24 VDC; compact, small and lightweight; low-profile, noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24 up to AWG 28
- Electrical protection class: III
- Weight: 53 g

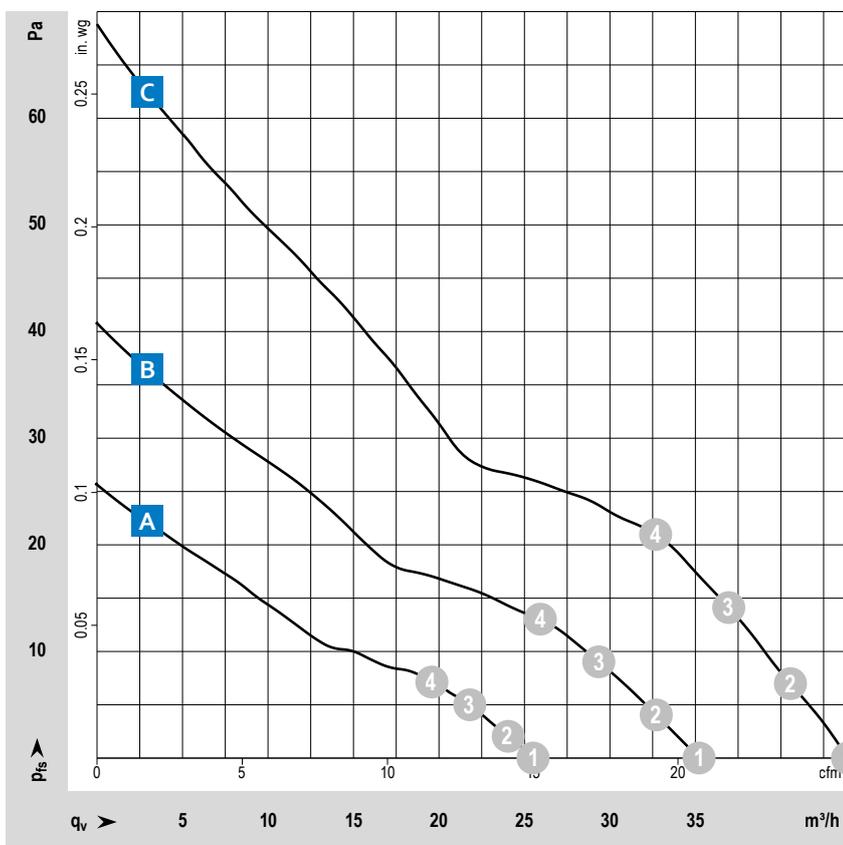
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

Options

- Speed signal
- Go / NoGo alarm
- Moisture protection

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more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

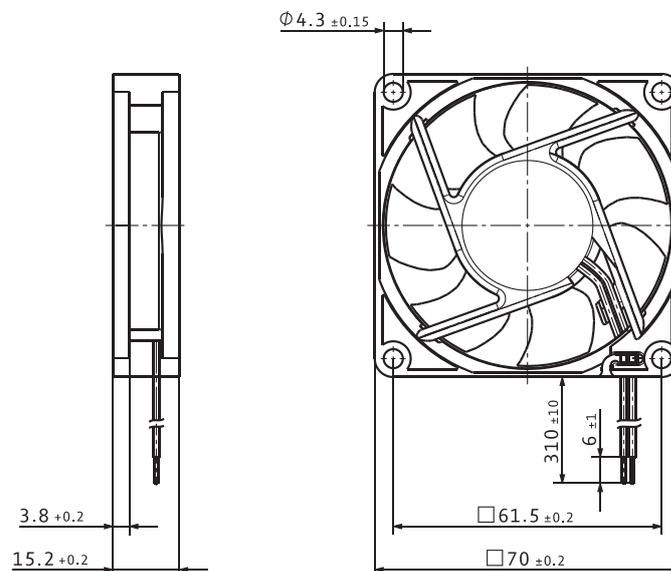
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCB070FHEDS 712 F/2L-005*	9292504005	12	8...13.8	A	①	25.5	15.0	3 300	0.7	4.5	25	-20...+70	60 000	102 500
					②	23.8	14.0	3 260	0.7	4.4				
					③	21.8	12.8	3 210	0.7	4.4				
					④	19.4	11.0	3 200	0.7	4.4				
VWCB070FHEES 712 F/2M-006*	9292504006	12	8...13.8	B	①	35.2	20.7	4 300	0.9	5.0	32	-20...+70	60 000	102 500
					②	32.5	19.1	4 230	1.0	4.9				
					③	29.3	17.2	4 150	1.0	4.9				
					④	25.9	15.0	4 090	1.0	4.8				
VWCB070FHEFS 712 F	9292504001	12	8...13.8	C	①	43.9	25.8	5 300	1.5	5.5	38	-20...+70	60 000	102 500
					②	40.6	23.9	5 230	1.6	5.4				
					③	36.8	21.7	5 160	1.6	5.3				
					④	32.7	19.0	5 100	1.6	5.3				
VWCB070FJEFS 714 F	9292504007	24	18...28	C	①	43.5	25.6	5 300	1.4	5.5	38	-20...+70	60 000	102 500
					②	40.2	23.7	5 230	1.4	5.4				
					③	36.6	21.5	5 150	1.5	5.3				
					④	32.7	19.0	5 080	1.5	5.3				

Subject to changes.

*Version with 3-pin Molex plug housing 22-01-2035
Molex Contacts 08-50-0113

Technical drawing

Dimensions in mm



VWCD080A...

DC axial fan · max. 113 m³/h · □ 80 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12 or 24 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 105 g

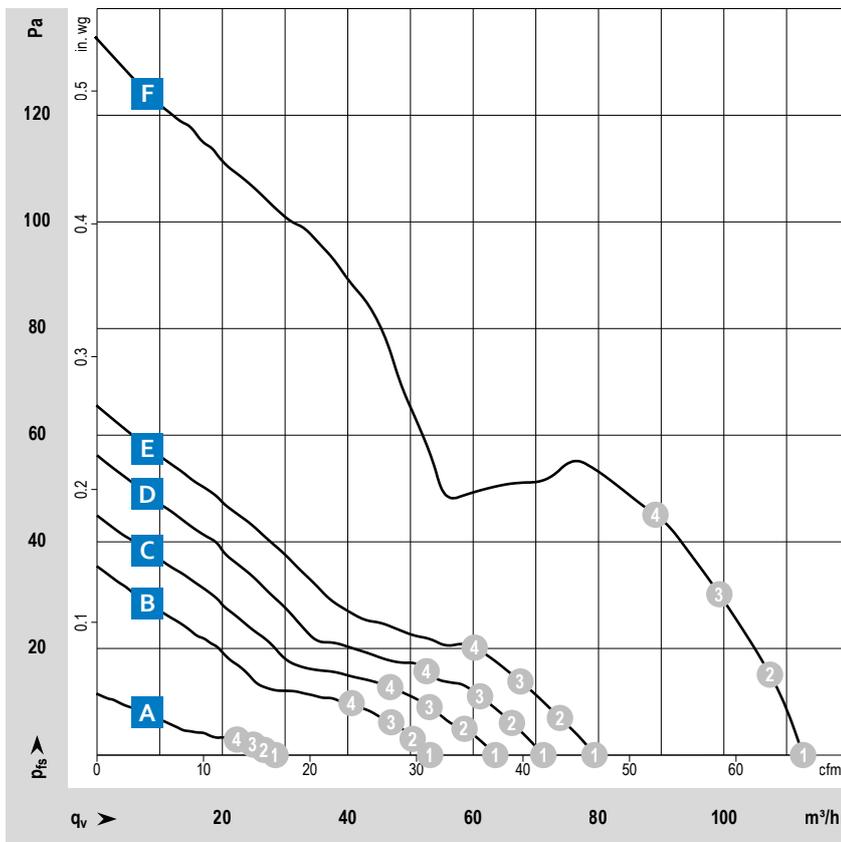
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection

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Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

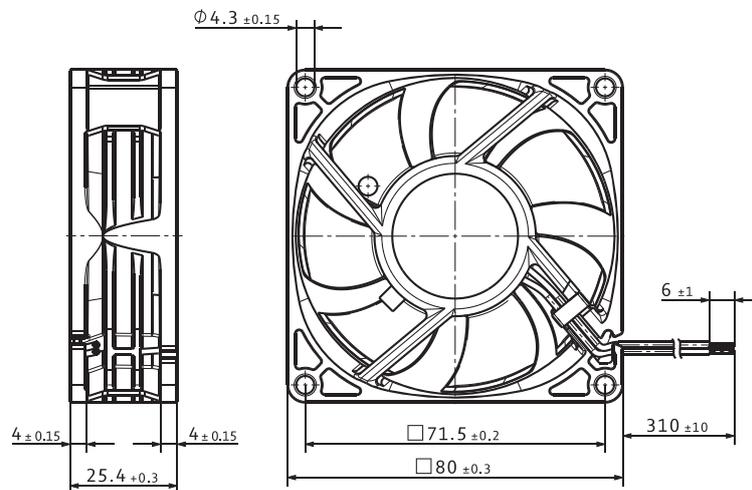
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD080AHEES 8452/2 L	9292507011	12	8...15	A	①	28.5	16.8	1700	0.3	3.3	14	-20...+75	80 000	135 000
					②	26.8	15.8	1690	0.3	3.3				
					③	25.1	14.8	1680	0.3	3.3				
					④	22.6	13.3	1680	0.3	3.2				
VWCD080AHEGS 8452 M	9292507006	12	8...15	B	①	53.0	31.2	3100	1.0	4.9	32	-20...+75	80 000	135 000
					②	50.0	29.4	3080	1.0	4.8				
					③	46.3	27.3	3060	1.0	4.8				
					④	41.1	24.2	3060	1.0	4.8				
VWCD080AHEGS 8452/2 N	9292507013	12	8...15	C	①	64.0	37.7	3600	1.6	5.3	36	-20...+70	70 000	117 500
					②	59.0	34.7	3560	1.6	5.3				
					③	53.0	31.2	3560	1.6	5.2				
					④	47.2	27.8	3560	1.6	5.1				
Fan types with 25 kHz PWM control and speed signal to 4-wire specification														
VWCD080AHEHS 8452/2 HP	9292507010	12	10.8...13.2	D	①	71.0	41.8	4000	2.3	5.6	38	-20...+70	70 000	117 500
					②	66.0	38.8	3950	2.3	5.5				
					③	61.0	35.9	3930	2.4	5.5				
					④	53.0	31.2	3960	2.3	5.4				
VWCD080AHEHS 8452/2 HHP	9292507012	12	10.8...13.2	E	①	79.0	46.5	4400	3.3	5.9	42	-20...+60	65 000	110 000
					②	74.0	43.6	4360	3.3	5.8				
					③	68.0	40.0	4320	3.4	5.7				
					④	60.0	35.3	4300	3.4	5.6				
Fan types with 1-30 kHz PWM control and speed signal														
VWCD080AHEJS 8452/2 H4P	9692530182	12	8...15	F	①	113.0	66.5	6200	7.1	6.8	50	-20...+70	60 000	102 500
					②	107.0	63.0	6200	7.5	6.7				
					③	99.0	58.3	6130	7.5	6.7				
					④	89.0	52.4	6100	7.5	6.6				
VWCD080AJEJS 8454/2 H4P	9692530181	24	20.0...26.4	F	①	113.0	66.5	6200	7.0	6.8	50	-20...+70	60 000	102 500
					②	108.0	63.6	6200	7.3	6.7				
					③	100.0	58.9	6200	7.5	6.7				
					④	90.0	53.0	6160	7.5	6.6				

Subject to changes.

DC axial fans

Technical drawing

Dimensions in mm



VWCD080Y...

DC axial fan · max. 75 m³/h · □ 80 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 95 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

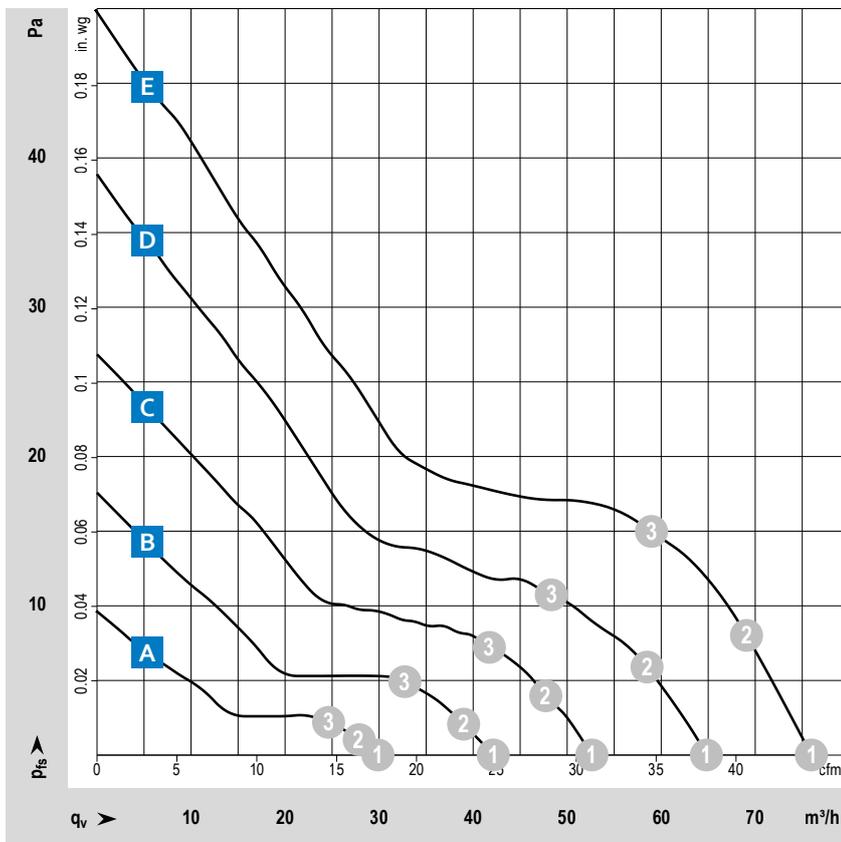
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

Special features

- Some fan types suitable for use at high ambient temperatures up to 85 °C.

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more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

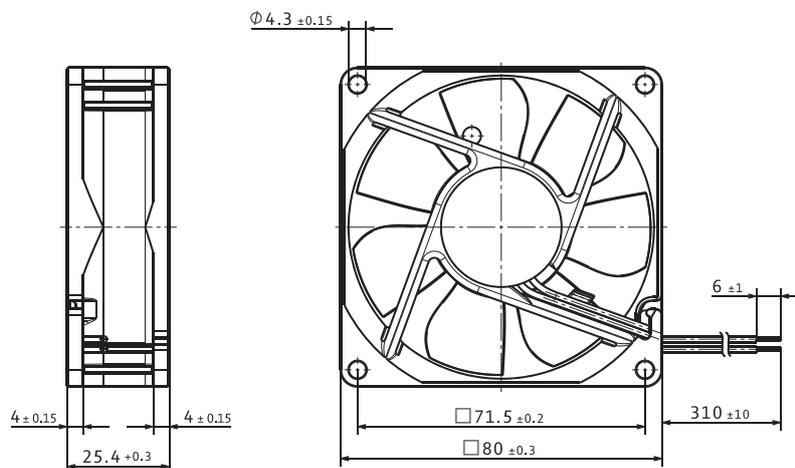
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)			
VWCD080YHEES 8412 NGLÉ	9292506262	12	8...15	A	①	30.1	17.7	1 500	0.4	3.2	12	-20...+85	80 000	135 000
					②	27.6	16.2	1 490	0.4	3.2				
					③	23.7	13.9	1 480	0.4	3.2				
VWCD080YHEES 8412 NLE	9292506263	12	8...15	A	①	30.0	17.7	1 500	0.3	3.2	17	-20...+85	80 000	135 000
					②	27.4	16.1	1 490	0.3	3.2				
					③	23.6	13.9	1 480	0.3	3.2				
VWCD080YHEFS 8412 NGMLE	9292506264	12	8...15	B	①	39.5	23.2	2 050	0.8	3.6	19	-20...+80	80 000	135 000
					②	36.6	21.5	2 030	0.8	3.7				
					③	31.7	18.7	2 020	0.8	3.7				
VWCD080YHEFS 8412 NMLE	9292506265	12	8...15	B	①	42.0	24.7	2 050	0.6	3.6	21	-20...+85	80 000	135 000
					②	38.2	22.5	2 040	0.6	3.7				
					③	32.6	19.2	2 030	0.6	3.7				
VWCD080YHEGS 8412 NGME	9292506266	12	8...15	C	①	53.0	31.2	2 600	1.3	4.2	26	-20...+75	80 000	135 000
					②	47.9	28.2	2 590	1.3	4.2				
					③	41.1	24.2	2 560	1.3	4.2				
VWCD080YHEGS 8412 NME	9292506267	12	8...15	C	①	51.0	30.0	2 600	0.9	4.2	27	-20...+75	80 000	135 000
					②	46.9	27.6	2 580	0.9	4.2				
					③	39.9	23.5	2 570	0.9	4.2				
VWCD080YHEGS 8412 NG	9292506104	12	8...15	D	①	65.0	38.3	3 100	1.7	4.7	32	-20...+70	70 000	117 500
					②	59.0	34.7	3 080	1.8	4.7				
					③	48.5	28.5	3 090	1.8	4.7				
VWCD080YHEGS 8412 N	9292506125	12	8...15	D	①	64.0	37.7	3 100	1.6	4.7	32	-20...+70	70 000	117 500
					②	58.0	34.1	3 060	1.6	4.7				
					③	50.0	29.4	3 050	1.6	4.7				
VWCD080YHEHS 8412 NH	9292506115	12	8...13.2	E	①	74.0	43.6	3 600	2.0	5.1	37	-20...+70	70 000	117 500
					②	68.0	40.0	3 560	2.0	5.0				
					③	58.0	34.1	3 550	2.1	5.0				
VWCD080YHEHS 8412 NH-217	9292506217	12	8...15	E	①	75.0	44.1	3 600	2.3	5.1	37	-20...+70	70 000	117 500
					②	68.0	40.0	3 540	2.3	5.0				
					③	55.0	32.4	3 550	2.3	5.0				

Subject to changes. More types in 24 or 48 VDC on the next page.

Technical drawing

Dimensions in mm



VWCD080Y...

DC axial fan · max. 75 m³/h · □ 80 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 95 g

Approvals

- 12 and 24 VDC: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA
- 48 VDC: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

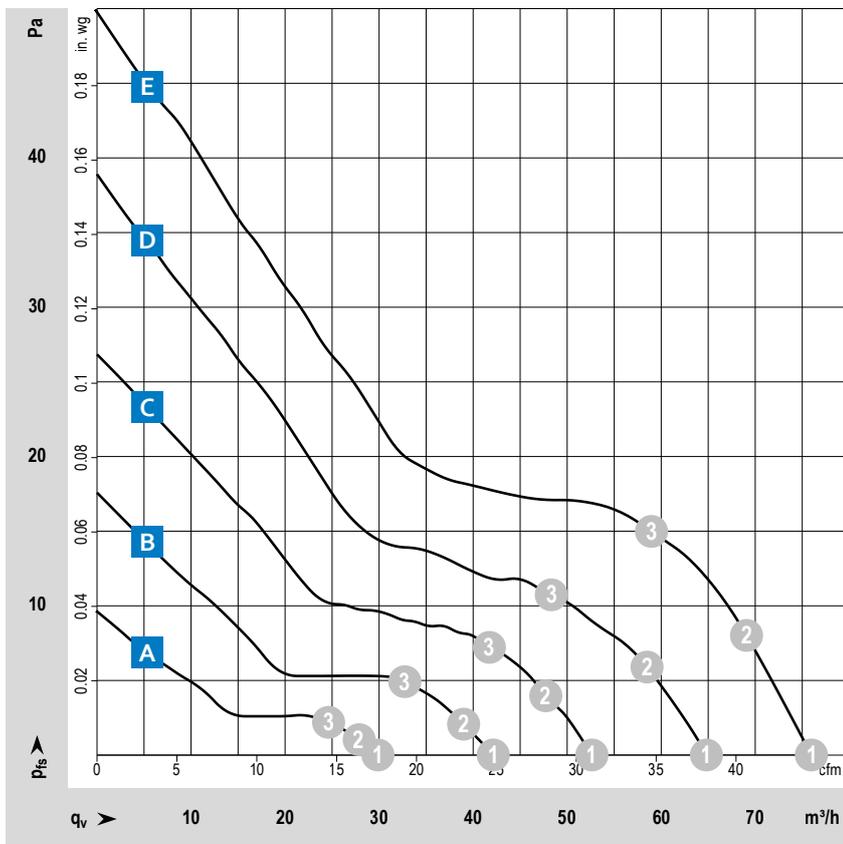
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

Special features

- Some fan types suitable for use at high ambient temperatures up to 85 °C.

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

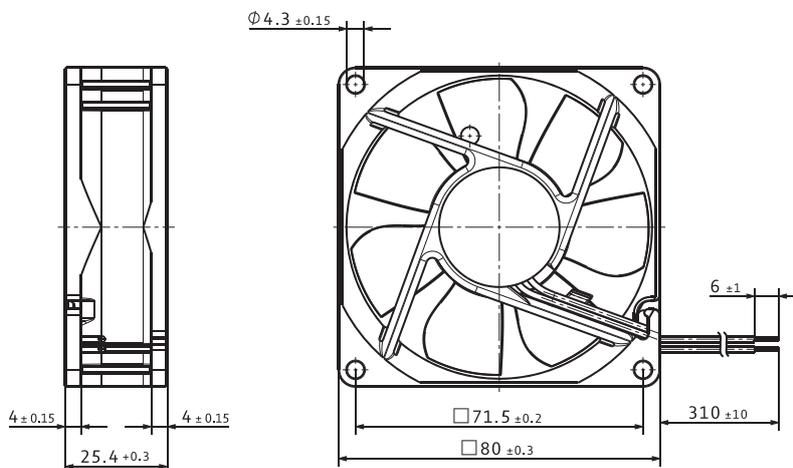
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)		°C	Hours
VWCD080YJEES 8414 NGL	9292506106	24	18...28	A	① ② ③	29.9	17.6	1 500	0.9	3.2	12	-20...+70	80 000	135 000
						27.4	16.1	1 490	0.9	3.2				
						23.5	13.8	1 490	0.9	3.2				
VWCD080YJEGS 8414 NL	9292506142	24	18...28	A	① ② ③	29.0	17.1	1 500	0.8	3.2	17	-20...+70	80 000	135 000
						27.1	16.0	1 500	0.8	3.2				
						23.9	14.1	1 490	0.9	3.2				
VWCD080YJEFS 8414 NGML	9292506108	24	18...28	B	① ② ③	41.5	24.4	2 050	1.3	3.6	19	-20...+70	80 000	135 000
						38.1	22.4	2 050	1.3	3.7				
						32.9	19.4	2 040	1.3	3.7				
VWCD080YJEFS 8414 NML	9292506144	24	18...28	B	① ② ③	42.1	24.8	2 050	1.0	3.6	21	-20...+70	80 000	135 000
						38.3	22.5	2 040	1.0	3.7				
						33.0	19.4	2 020	1.0	3.7				
VWCD080YJEGS 8414 NGM	9292506107	24	18...28	C	① ② ③	51.0	30.0	2 600	1.4	4.2	26	-20...+70	80 000	135 000
						46.8	27.5	2 590	1.4	4.2				
						39.3	23.1	2 580	1.4	4.2				
VWCD080YJEGS 8414 NM	9292506143	24	18...28	C	① ② ③	51.0	30.0	2 600	1.3	4.2	27	-20...+70	80 000	135 000
						46.4	27.3	2 580	1.3	4.2				
						39.0	23.0	2 570	1.3	4.2				
VWCD080YJEGS 8414 NG	9292506109	24	18...28	D	① ② ③	64.0	37.7	3 100	1.9	4.7	32	-20...+70	70 000	117 500
						57.0	33.5	3 080	1.9	4.7				
						47.0	27.7	3 090	1.9	4.7				
VWCD080YJEGS 8414 N	9292506126	24	18...28	D	① ② ③	65.0	38.3	3 100	1.9	4.7	32	-20...+70	70 000	117 500
						59.0	34.7	3 070	1.9	4.7				
						49.0	28.8	3 080	1.9	4.7				
VWCD080YJEHS 8414 NH	9292506124	24	18...26	E	① ② ③	75.0	44.1	3 600	2.2	5.1	37	-20...+70	70 000	117 500
						69.0	40.6	3 550	2.2	5.0				
						59.0	34.7	3 540	2.3	5.0				
VWCD080YKEGS 8418 N	9292506289	48	36...56	D	① ② ③	65.0	38.3	3 100	2.1	4.7	32	-20...+70	70 000	117 500
						59.0	34.7	3 070	2.1	4.7				
						49.0	28.8	3 080	2.1	4.7				

Subject to changes. More types in 12 VDC on the previous page

DC axial fans

Technical drawing

Dimensions in mm



VWCE080P...

DC axial fan · max. 130 m³/h · □ 80 x 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact, small and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 26
- Electrical protection class: III
- Weight: 160 g

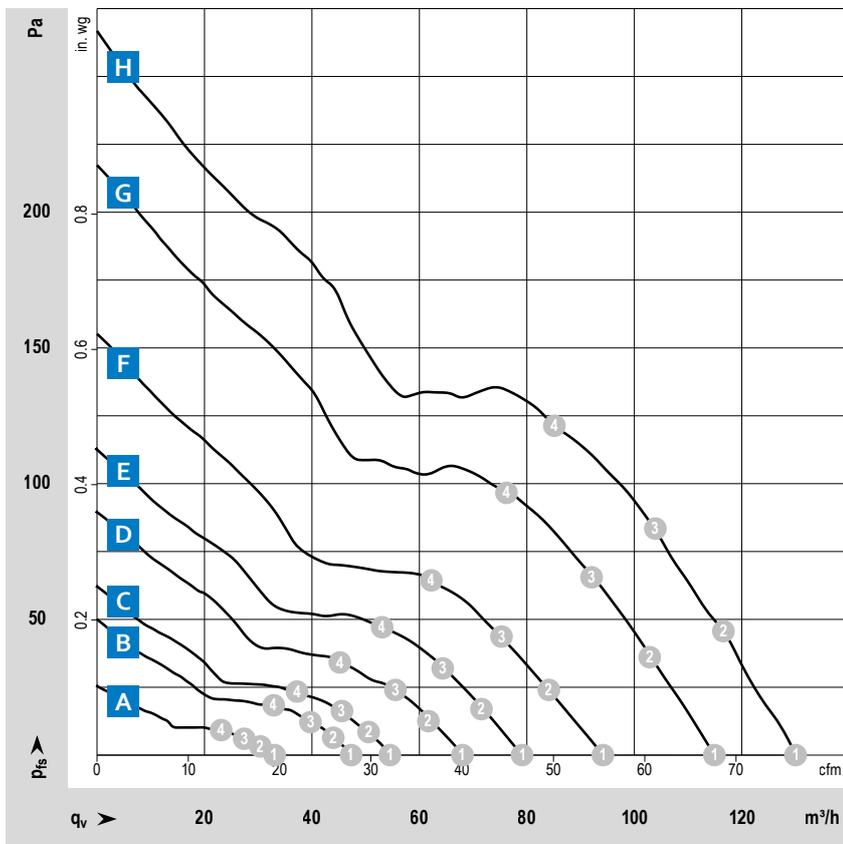
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

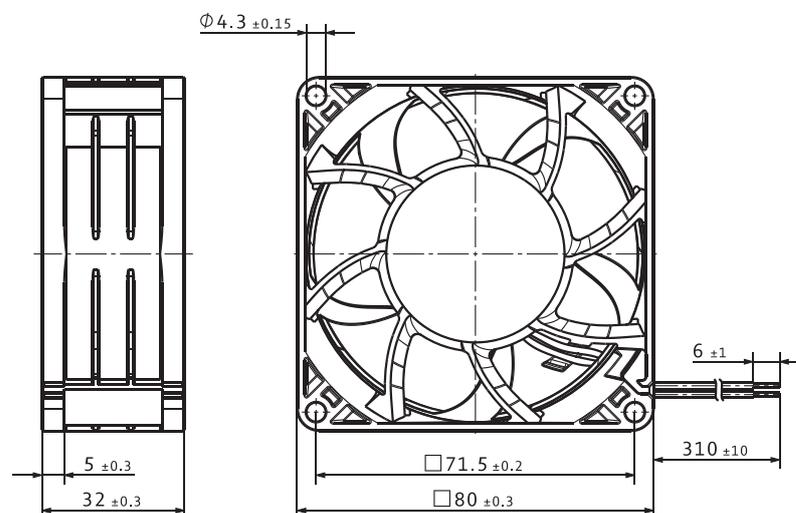
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCE080PHFES 8312 NL	9292910109	12	6...15	A	①	32.9	19.4	2 300	0.9	3.7	24	-20...+75	105 000	180 000
					②	30.4	17.9	2 290	0.9	3.6				
					③	27.8	16.4	2 280	0.9	3.6				
					④	23.2	14.0	2 270	0.9	3.6				
VWCE080PHFFS 8312 NM	9292910108	12	6...15	B	①	47.7	28.1	3 300	1.5	4.2	32	-20...+75	102 500	170 000
					②	44.1	26.0	3 280	1.5	4.2				
					③	39.9	23.5	3 260	1.5	4.2				
					④	33.0	19.0	3 280	1.5	4.2				
VWCE080PHFGS 8312 NN	9292910111	12	6...15	C	①	55.0	32.4	3 800	1.8	4.8	33	-20...+75	97 500	162 500
					②	50.0	29.4	3 750	1.8	4.7				
					③	45.8	27.0	3 730	1.8	4.6				
					④	38.0	22.0	3 720	1.9	4.6				
VWCE080PHFGS 8312 NHL	9292910113	12	6...15	D	①	68.0	40.0	4 600	2.8	5.0	39	-20...+75	92 500	155 000
					②	62.0	36.5	4 550	2.9	5.0				
					③	56.0	33.0	4 550	2.9	4.9				
					④	45.4	27.0	4 530	2.9	4.9				
VWCE080PHFHS 8312 NH	9292910115	12	6...15	E	①	79.0	46.5	5 300	3.3	5.5	42	-20...+75	82 500	140 000
					②	72.0	42.4	5 210	3.4	5.4				
					③	65.0	38.3	5 150	3.5	5.4				
					④	53.0	31.2	5 090	3.6	5.4				
VWCE080PHFJS 8312 NHH	9292910116	12	6...15	F	①	95.0	55.9	6 300	5.2	5.9	48	-20...+75	72 500	120 000
					②	85.0	50.0	6 150	5.4	5.9				
					③	77.0	45.3	6 080	5.7	5.8				
					④	63.0	37.1	6 000	5.8	5.8				
VWCE080PHFJS 8312 NH3	9292910117	12	6...13.2	G	①	114.0	67.1	7 600	7.7	6.5	53	-20...+75	57 500	100 000
					②	102.0	60.0	7 400	8.3	6.4				
					③	91.0	53.6	7 270	8.6	6.3				
					④	75.0	44.1	7 160	8.9	6.2				
VWCE080PHFKS 8312 NH4	9292910118	12	6...12.8	H	①	130.0	76.5	8 500	10.8	6.9	56	-20...+60	52 500	87 500
					②	117.0	68.9	8 330	11.5	6.7				
					③	104.0	61.2	8 150	11.9	6.6				
					④	85.0	50.0	8 040	12.4	6.6				

Subject to changes. More types in 24 or 48 VDC on the next page.

Technical drawing

Dimensions in mm



VWCE080P...

DC axial fan · max. 116 m³/h · □ 80 × 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact, small and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 26
- Electrical protection class: III
- Weight: 160 g

from page 14 Definitions

from page 350 Accessories

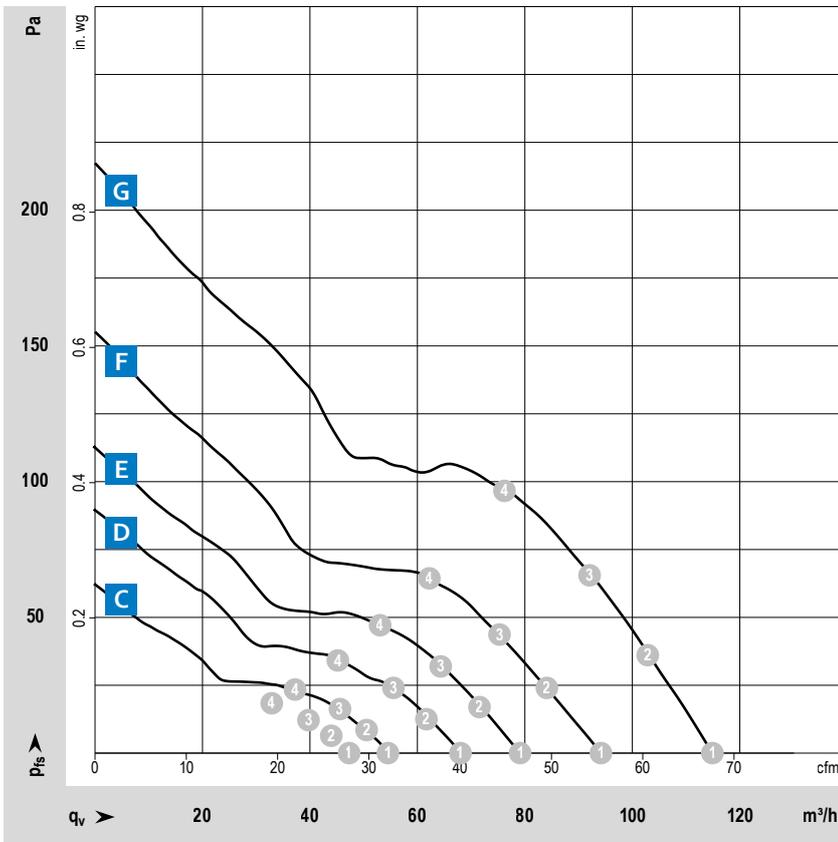
more at www.ebmpapst.com

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

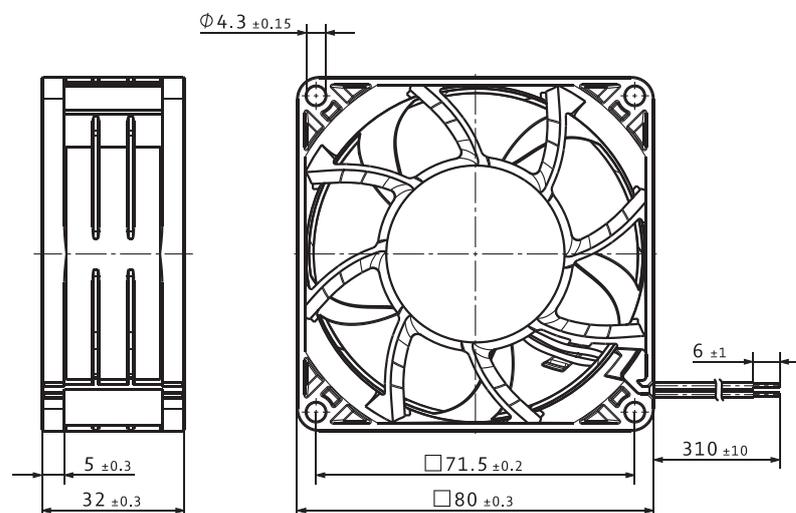
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCE080PJFGS 8314 NN	9292910123	24	12...28	C	①	54.0	31.8	3 800	1.6	4.8	33	-20...+75	97 500	162 500
					②	51.0	30.0	3 750	1.7	4.7				
					③	45.7	26.9	3 730	1.7	4.6				
					④	37.3	22.0	3 700	1.7	4.6				
VWCE080PJFGS 8314 NHL	9292910106	24	12...28	D	①	68.0	40.0	4 600	2.3	5.0	39	-20...+75	92 500	155 000
					②	62.0	36.5	4 550	2.4	5.0				
					③	56.0	33.0	4 520	2.5	4.9				
					④	45.4	26.7	4 490	2.6	4.9				
VWCE080PJFHS 8314 NH	9292910127	24	12...28	E	①	78.0	45.9	5 300	3.2	5.5	42	-20...+75	82 500	140 000
					②	71.0	41.8	5 220	3.3	5.4				
					③	64.0	37.7	5 160	3.4	5.4				
					④	53.0	31.2	5 130	3.5	5.4				
VWCE080PUFBS 8314 NHH	9292910104	24	12...28	F	①	94.0	55.3	6 300	4.8	5.9	48	-20...+75	72 500	120 000
					②	84.0	49.4	6 170	5.1	5.9				
					③	75.0	44.1	6 080	5.2	5.8				
					④	62.0	36.5	6 020	5.4	5.8				
VWCE080PJFJS 8314 NH3	9292910131	24	12...28	G	①	116.0	68.3	7 600	7.4	6.6	53	-20...+75	57 500	100 000
					②	103.0	60.6	7 400	7.9	6.4				
					③	92.0	54.1	7 280	8.2	6.3				
					④	76.0	44.7	7 190	8.4	6.2				
VWCE080PJFJS 8314 N/2H3P	9292910145	24	18...28	G	①	115.0	67.7	7 600	7.6	6.5	53	-20...+75	75 000	127 500
					②	103.0	60.6	7 410	8.1	6.4				
					③	93.0	54.7	7 320	8.3	6.3				
					④	77.0	45.3	7 230	8.6	6.2				
VWCE080PKFGS 8318 NN	9292910134	48	36...60	C	①	53.0	31.2	3 700	1.5	4.6	33	-20...+75	97 500	162 500
					②	49.5	29.1	3 670	1.6	4.5				
					③	44.9	26.4	3 660	1.6	4.4				
					④	36.6	21.5	3 630	1.7	4.4				
VWCE080PKFGS 8318 NHL	9292910143	48	36...60	D	①	68.0	40.0	4 600	2.5	5.0	39	-20...+75	92 500	155 000
					②	62.0	36.5	4 550	2.6	5.0				
					③	56.0	33.0	4 510	2.7	4.9				
					④	45.5	26.8	4 510	2.7	4.9				
VWCE080PKFHS 8318 NH	9292910137	48	36...60	E	①	79.0	46.5	5 300	3.2	5.5	42	-20...+75	82 500	140 000
					②	72.0	42.4	5 230	3.3	5.4				
					③	64.0	37.7	5 160	3.4	5.4				
					④	52.0	30.6	5 120	3.5	5.4				
VWCE080PKFJS 8318 NHH	9292910144	48	36...60	F	①	94.0	55.3	6 300	4.6	5.9	48	-20...+75	72 500	120 000
					②	85.0	50.0	6 170	4.9	5.9				
					③	77.0	45.3	6 080	5.1	5.8				
					④	63.0	37.1	6 020	5.2	5.8				

Subject to changes. More types in 12VDC on the previous page.

Technical drawing

Dimensions in mm



VWCF080J...

DC axial fan · max. 220 m³/h · □ 80 × 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan with rigid characteristic curve
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24 (H3 and H4: AWG 22)
- Electrical protection class: III
- Weight: 160 g (H3 and H4: 200 g)

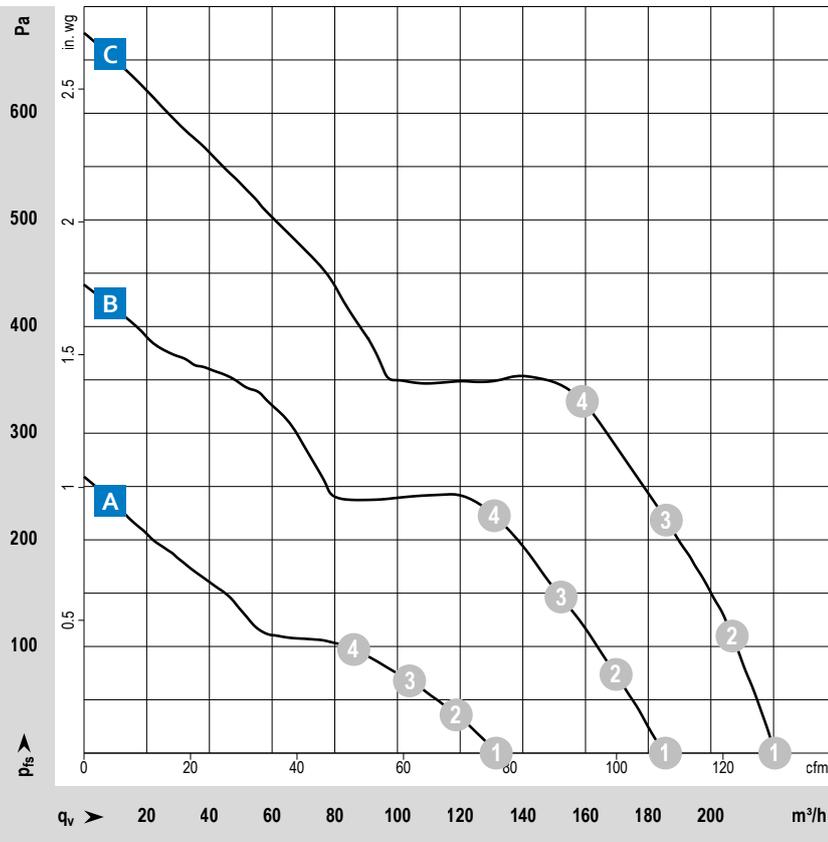
Approvals

- 12 and 24 VDC: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA
- 48 VDC: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

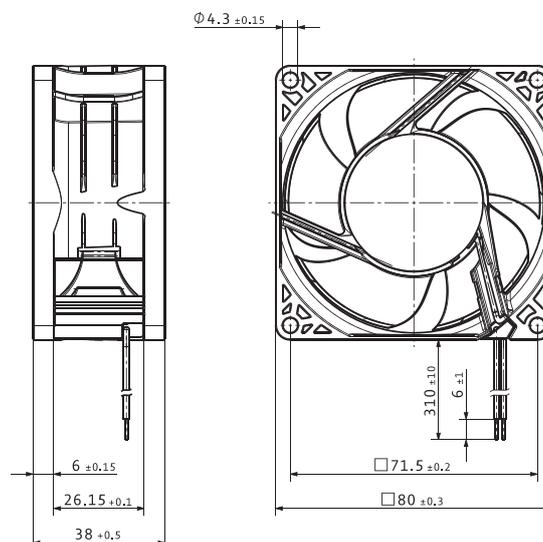
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{100FC} (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm						
VWCF080JHFKS 8212 JN	9292910002	12	7...13.8	A	①	132	78	8 400	9.3	6.9	55	-20...+70	62 500	105 000
					②	119	70	8 220	9.9	6.8				
					③	104	61	8 080	10.5	6.6				
					④	86	51	8 000	10.8	6.5				
VWCF080JHFLS 8212 JH3 S-Force	9692910193	12	6...13.8	B	①	186	109	12 000	23.8	8.0	66	-20...+70	55 000	92 500
					②	169	99	11 700	25.1	7.8				
					③	151	89	11 480	26.4	7.6				
					④	129	76	11 280	27.2	7.5				
VWCF080JHFMS 8212 JH4 S-Force	9692910196	12	6...13.8	C	①	218	128	14 000	36.5	8.4	71	-20...+70	50 000	85 000
					②	201	118	13 860	39.9	8.4				
					③	179	105	13 570	41.3	8.2				
					④	154	91	13 350	42.7	8.0				
VWCF080JJKFS 8214 JN	9292910003	24	18...26.4	A	①	132	78	8 400	10.0	6.9	55	-20...+70	62 500	105 000
					②	118	69	8 200	10.4	6.8				
					③	102	60	8 060	10.9	6.6				
					④	86	51	7 960	11.2	6.5				
VWCF080JJFLS 8214 JH3 S-Force	9692910194	24	12...27.6	B	①	185	109	12 000	23.1	8.0	66	-20...+70	55 000	92 500
					②	170	100	11 740	24.6	7.8				
					③	152	89	11 550	25.8	7.6				
					④	131	77	11 400	26.6	7.5				
VWCF080JJFMS 8214 JH4 S-Force	9692910197	24	12...27.6	C	①	220	129	14 000	34.8	8.4	71	-20...+70	50 000	85 000
					②	207	122	14 000	39.3	8.4				
					③	186	109	13 830	41.4	8.2				
					④	159	94	13 580	42.5	8.0				
VWCF080JKFKS 8218 JN	9292910006	48	36...53	A	①	130	77	8 400	10.1	6.9	55	-20...+70	62 500	105 000
					②	118	69	8 200	10.6	6.8				
					③	103	61	8 040	10.9	6.6				
					④	85	50	7 930	11.2	6.5				
VWCF080JKFLS 8218 JH3 S-Force	9692910232	48	36...53	B	①	187	110	12 000	23.3	8.0	66	-20...+70	55 000	92 500
					②	171	101	11 820	24.7	7.8				
					③	154	91	11 610	26.0	7.6				
					④	132	78	11 460	27.0	7.5				
VWCF080JKFMS 8218 JH4 S-Force	9692910198	48	20...58	C	①	219	129	14 000	33.5	8.4	71	-20...+70	55 000	85 000
					②	204	120	14 000	38.1	8.4				
					③	186	109	14 000	41.8	8.2				
					④	161	95	13 880	43.4	8.0				

Subject to changes.

Technical drawing

Dimensions in mm



VWCF080K...

DC axial fan · max. 217 m³/h · □ 80x38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan of the AxiForce series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Exposed wires 310mm
- Electrical protection class: III
- Weight: 200 g

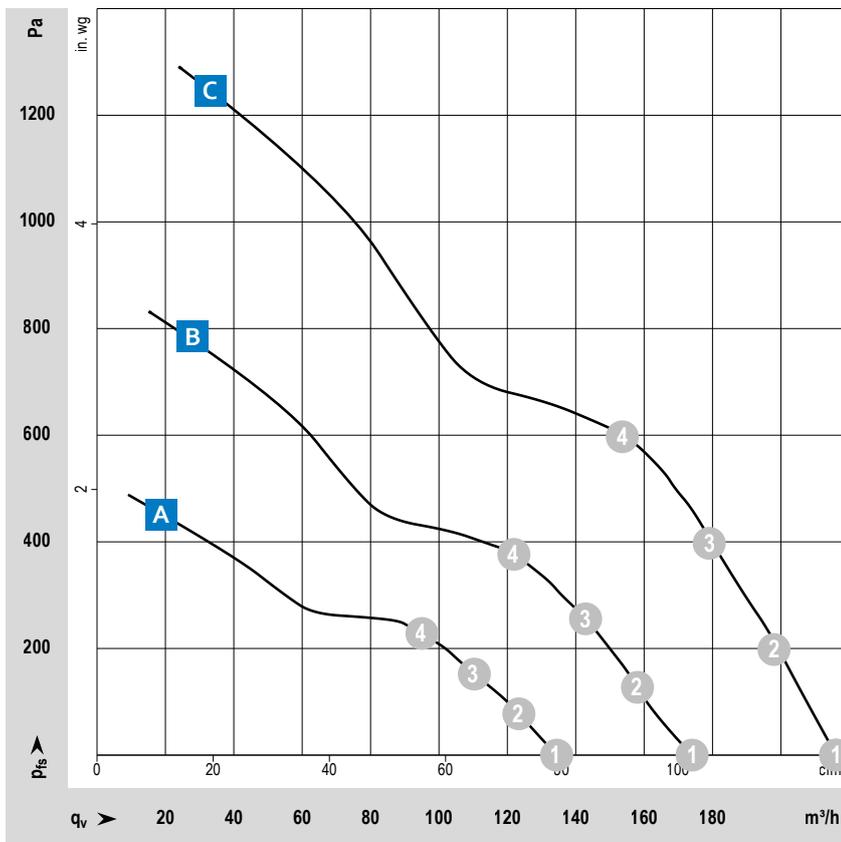
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T3

Options

- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: IP 54 / IP 68
- EMV class B

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more at	www.ebmpapst.com



Measuring conditions

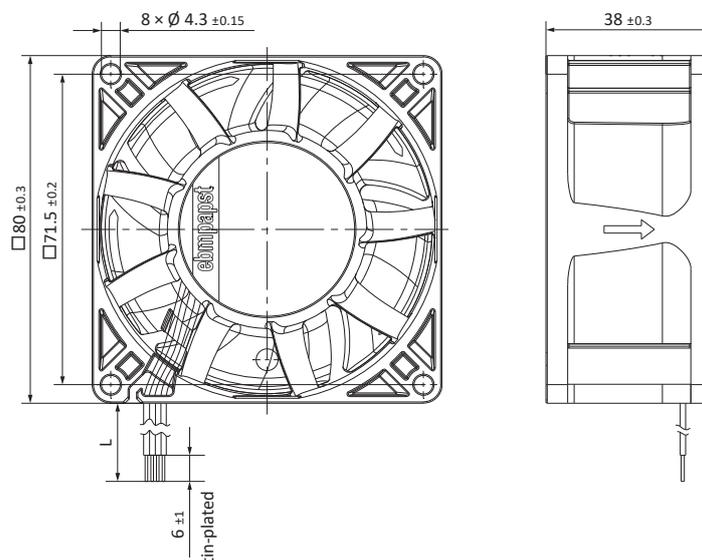
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCF080KHFKS AxiForce 80	8315100320	12	8...16	A	①	135	79	10 000	11.6	7.4	62	-20...+75	tbd	tbd
					②	124	73	10 000	13.3	7.3				
					③	112	66	10 000	15.0	7.1				
					④	96	57	10 000	16.4	7.1				
VWCF080KHFLS AxiForce 80	8315100136	12	8...16	B	①	173	102	13 200	26.0	8.1	71	-20...+75	62 500	105 000
					②	159	94	13 200	27.8	7.9				
					③	143	84	13 200	31.3	7.9				
					④	122	72	13 200	33.3	7.9				
VWCF080KHFMS AxiForce 80	8315100130	12	8...16	C	①	217	128	16 500	48.0	8.5	76	-20...+75	50 000	85 000
					②	198	117	16 500	55.0	8.5				
					③	180	106	16 500	62.0	8.6				
					④	154	91	16 500	66.6	8.7				
VWCF080KJFKS AxiForce 80	8315100321	24	16...32	A	①	134	79	10 000	11.5	7.4	62	-20...+75	tbd	tbd
					②	123	72	10 000	13.0	7.3				
					③	111	65	10 000	14.6	7.1				
					④	95	56	10 000	15.6	7.1				
VWCF080KJFLS AxiForce 80	8315100137	24	16...32	B	①	173	102	13 200	25.3	8.1	71	-20...+75	62 500	105 000
					②	159	94	13 200	27.4	7.9				
					③	143	84	13 200	30.7	7.9				
					④	122	72	13 200	33.3	7.9				
VWCF080KJFMS AxiForce 80	8315100134	24	16...32	C	①	216	127	16 500	46.5	8.7	76	-20...+75	50 000	85 000
					②	199	117	16 500	53.0	8.6				
					③	180	106	16 500	59.3	8.5				
					④	154	91	16 500	63.9	8.5				
VWCF080KKFKS AxiForce 80	8315100322	48	36...60	A	①	134	79	10 000	12.1	7.4	62	-20...+75	tbd	tbd
					②	123	72	10 000	13.5	7.3				
					③	110	65	10 000	14.9	7.1				
					④	95	56	10 000	16.0	7.1				
VWCF080KKFLS AxiForce 80	8315100138	48	36...60	B	①	174	102	13 200	25.2	8.1	71	-20...+75	62 500	105 000
					②	158	93	13 200	28.7	7.9				
					③	143	84	13 200	32.0	7.9				
					④	122	72	13 200	33.6	7.9				
VWCF080KKFMS AxiForce 80	8315100135	48	36...60	C	①	216	127	16 500	46.6	8.7	76	-20...+75	50 000	85 000
					②	198	117	16 500	53.4	8.6				
					③	179	105	16 500	60.1	8.5				
					④	154	91	16 500	64.5	8.5				

Subject to changes.

Technical drawing

Dimensions in mm



VWCD092Y...

DC axial fan · max. 99 m³/h · □ 92 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 100 g

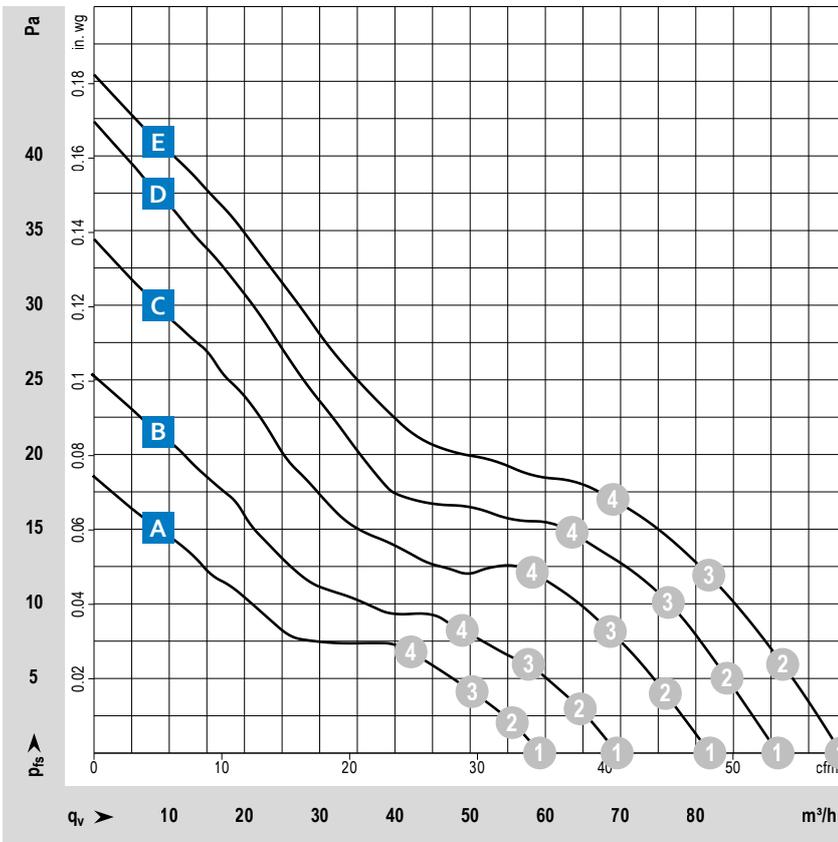
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

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more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

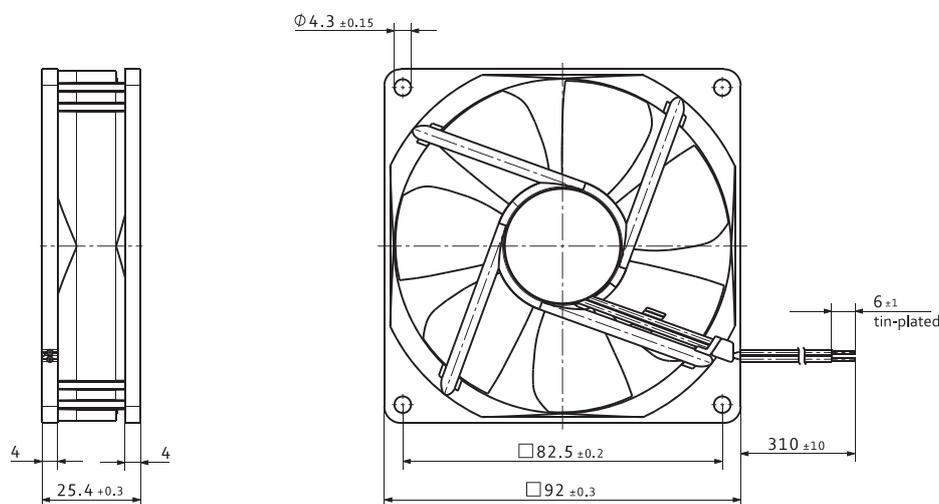
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD092YHEGS 3412 NGLE	9292506407	12	8...15	A	①	58.0	34.1	1950	0.9	4.1	23	-20...+80	80 000	135 000
					②	54.0	31.8	1920	0.9	4.0				
					③	48.4	28.5	1890	1.0	3.9				
					④	41.3	24.3	1860	1.0	3.8				
VWCD092YHEGS 3412 NLE	9292506409	12	8...15	A	①	59.0	34.7	1950	0.7	4.1	23	-20...+85	80 000	135 000
					②	55.0	32.4	1920	0.7	4.0				
					③	49.5	29.1	1890	0.7	3.9				
					④	42.8	25.2	1870	0.7	3.8				
VWCD092YHEHS 3412 NGME	9292506406	12	8...15	B	①	68.0	40.0	2300	1.4	4.5	28	-20...+75	75 000	127 500
					②	64.0	37.7	2260	1.5	4.4				
					③	57.0	33.5	2220	1.5	4.3				
					④	48.2	28.4	2180	1.5	4.2				
VWCD092YHEHS 3412 NME	9292506410	12	8...15	B	①	68.0	40.0	2300	1.0	4.5	28	-20...+75	75 000	127 500
					②	63.0	37.1	2270	1.0	4.4				
					③	57.0	33.5	2240	1.1	4.3				
					④	47.7	28.1	2220	1.1	4.2				
VWCD092YHEHS 3412 NG	9292506302	12	8...15	C	①	81.0	47.7	2700	1.7	4.9	33	-20...+70	70 000	117 500
					②	75.0	44.1	2670	1.8	4.7				
					③	68.0	40.0	2640	1.8	4.7				
					④	57.0	33.5	2650	1.8	4.6				
VWCD092YHEHS 3412 N	9292506324	12	8...15	C	①	81.0	47.7	2700	1.5	4.9	33	-20...+70	70 000	117 500
					②	75.0	44.1	2660	1.5	4.7				
					③	68.0	40.0	2630	1.6	4.7				
					④	57.0	33.5	2620	1.6	4.6				
VWCD092YHEJS 3412 NGH	9292506303	12	8...15	D	①	91.0	53.6	3000	2.3	5.1	36	-20...+70	70 000	117 500
					②	84.0	49.4	2940	2.3	5.0				
					③	76.0	44.7	2910	2.4	4.8				
					④	64.0	37.7	2880	2.4	4.8				
VWCD092YHEJS 3412 NH	9292506323	12	8...15	D	①	91.0	53.6	3000	2.0	5.1	36	-20...+70	70 000	117 500
					②	84.0	49.4	2940	2.1	5.0				
					③	76.0	44.7	2900	2.1	4.8				
					④	64.0	37.7	2880	2.1	4.8				
VWCD092YHEJS 3412 NGH H	9292506304	12	8...13.2	E	①	98.0	57.7	3250	2.9	5.3	39	-20...+60	70 000	117 500
					②	91.0	53.6	3190	3.0	5.2				
					③	81.0	47.7	3140	3.1	5.1				
					④	69.0	40.6	3110	3.1	5.0				
VWCD092YHEJS 3412 NHH	9292506316	12	8...13.2	E	①	99.0	58.3	3250	2.4	5.3	39	-20...+60	70 000	117 500
					②	91.0	53.6	3210	2.5	5.2				
					③	82.0	48.3	3160	2.5	5.1				
					④	69.0	40.6	3110	2.6	5.0				

Subject to changes. More types in 24 or 48VDC on the next page.

Technical drawing

Dimensions in mm



VWCD092Y...

DC axial fan · max. 100 m³/h · □ 92 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 100 g

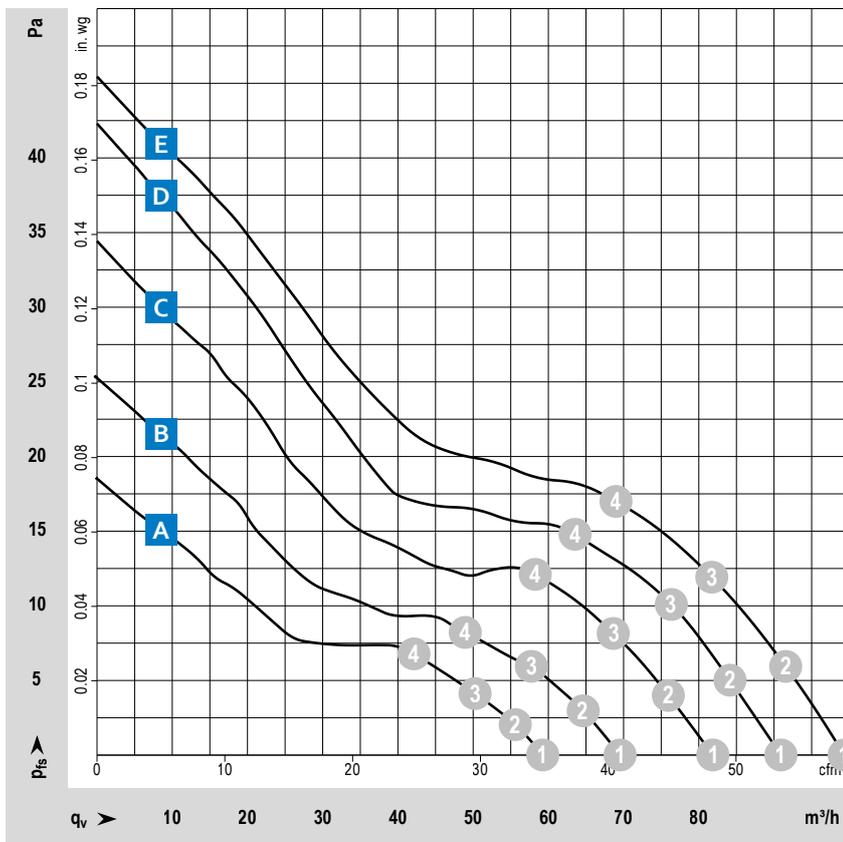
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

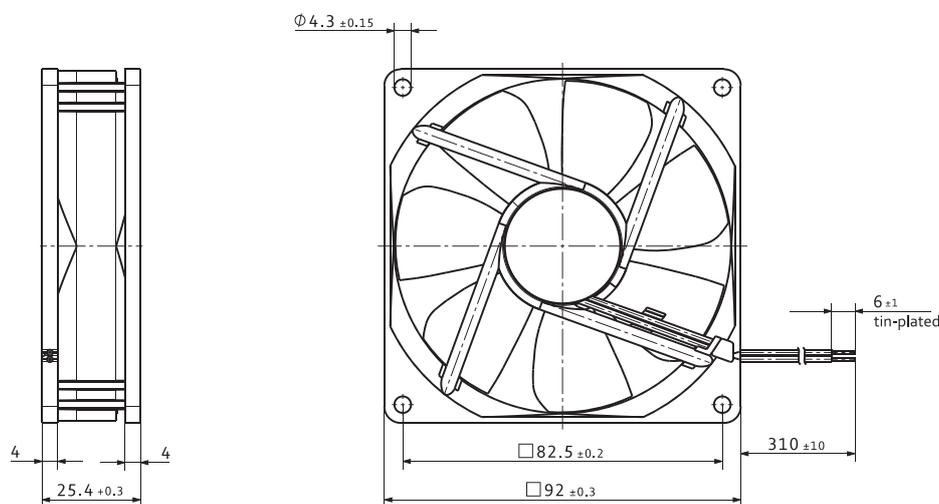
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD092YHEGS 3414 NGL	9292506305	24	18...28	A	①	55.0	32.4	1950	1.2	4.1	23	-20...+70	80 000	135 000
					②	52.0	30.6	1920	1.2	4.0				
					③	47.3	27.8	1900	1.2	3.9				
					④	40.2	23.7	1890	1.2	3.8				
VWCD092YHEGS 3414 NL	9292506322	24	18...28	A	①	56.0	33.0	1950	1.1	4.1	23	-20...+70	80 000	135 000
					②	52.0	30.6	1930	1.1	4.0				
					③	47.4	27.9	1910	1.1	3.9				
					④	41.1	24.2	1890	1.1	3.8				
VWCD092YHEHS 3414 NGM	9292506306	24	18...28	B	①	69.0	40.6	2300	1.6	4.5	28	-20...+70	75 000	127 500
					②	65.0	38.3	2280	1.6	4.4				
					③	58.0	34.1	2250	1.6	4.3				
					④	48.7	28.7	2260	1.6	4.2				
VWCD092YHEHS 3414 NM	9292506327	24	18...28	B	①	70.0	41.2	2300	1.4	4.5	28	-20...+70	75 000	127 500
					②	65.0	38.3	2280	1.4	4.4				
					③	58.0	34.1	2250	1.4	4.3				
					④	48.3	28.4	2240	1.4	4.2				
VWCD092YHEHS 3414 NG	9292506307	24	18...28	C	①	82.0	48.3	2700	2.0	4.9	33	-20...+70	70 000	117 500
					②	76.0	44.7	2660	2.0	4.7				
					③	68.0	40.0	2620	2.0	4.7				
					④	58.0	34.1	2600	2.1	4.6				
VWCD092YHEHS 3414 N	9292506321	24	18...28	C	①	82.0	48.3	2700	1.8	4.9	33	-20...+70	70 000	117 500
					②	76.0	44.7	2650	1.8	4.7				
					③	68.0	40.0	2620	1.9	4.7				
					④	57.0	33.5	2600	1.9	4.6				
VWCD092YHEJS 3414 NGH	9292506308	24	18...26	D	①	92.0	54.1	3000	2.6	5.1	36	-20...+70	70 000	117 500
					②	85.0	50.0	2960	2.6	5.0				
					③	76.0	44.7	2900	2.7	4.8				
					④	65.0	38.3	2880	2.7	4.8				
VWCD092YHEJS 3414 NH	9292506319	24	18...26	D	①	92.0	54.1	3000	2.2	5.1	36	-20...+70	70 000	117 500
					②	85.0	50.0	2950	2.3	5.0				
					③	76.0	44.7	2900	2.3	4.8				
					④	64.0	37.7	2870	2.3	4.8				
VWCD092YJEJS 3414 NHH	9292506320	24	18...26	E	①	100.0	58.9	3250	2.5	5.3	39	-20...+70	70 000	117 500
					②	92.0	54.1	3200	2.5	5.2				
					③	82.0	48.3	3140	2.6	5.1				
					④	70.0	41.2	3110	2.6	5.0				
VWCD092YKEHS 3418 N	9292506422	48	36...56	C	①	82.0	48.3	2700	2.3	4.8	33	-20...+70	70 000	117 500
					②	76.0	44.7	2660	2.3	4.7				
					③	68.0	40.0	2620	2.3	4.7				
					④	57.0	33.5	2620	2.3	4.6				

Subject to changes. More types in 12VDC on the previous page. More 48VDC versions on request.

Technical drawing

Dimensions in mm



VWCE092P...

DC axial fan · max. 132 m³/h · □ 92 x 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 190 g

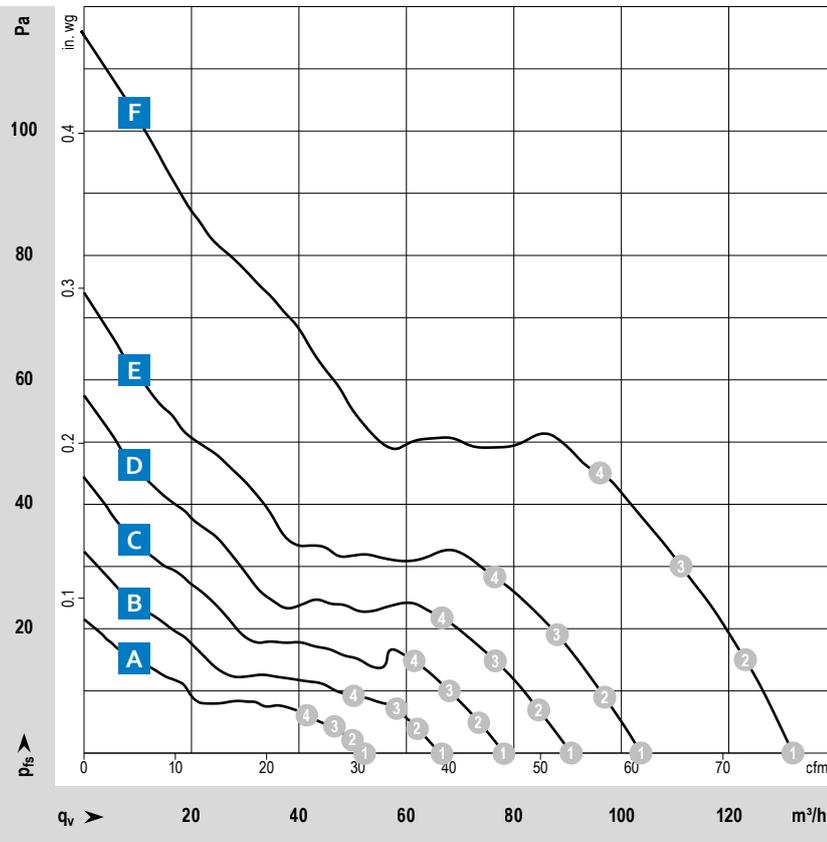
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

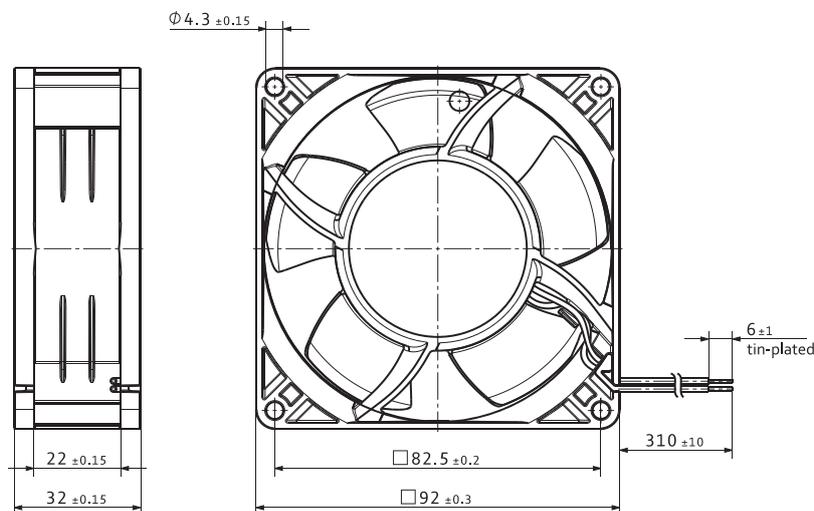
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCE092PHGGS 3312 NL	9293510119	12	6...15	A	①	52.0	30.6	1850	0.7	4.0	24	-20...+75	95 000	160 000
					②	49.5	29.1	1840	0.8	4.0				
					③	45.7	26.9	1840	0.8	4.0				
					④	41.0	24.1	1840	0.8	4.0				
VWCE092PHGGS 3312 NM	9293510118	12	6...15	B	①	66.0	38.8	2250	1.2	4.5	29	-20...+75	85 000	142 500
					②	62.0	36.5	2240	1.3	4.4				
					③	58.0	34.1	2230	1.3	4.4				
					④	49.8	29.3	2250	1.3	4.3				
VWCE092PHGHS 3312 NN	9293510100	12	6...15	C	①	78.0	45.9	2650	1.7	4.8	35	-20...+75	77 500	130 000
					②	74.0	43.6	2640	1.7	4.6				
					③	68.0	40.0	2630	1.7	4.6				
					④	62.0	36.5	2630	1.8	4.5				
VWCE092PHGJS 3312 NH	9293510114	12	6...15	D	①	91.0	53.6	3050	2.3	5.3	38	-20...+75	72 500	122 500
					②	85.0	50.0	3030	2.4	5.2				
					③	77.0	45.3	3000	2.4	5.2				
					④	67.0	39.4	3000	2.4	5.1				
VWCE092PHGJS 3312 NHH	9293510104	12	6...15	E	①	104.0	61.2	3450	3.1	5.7	42	-20...+75	67 500	115 000
					②	97.0	57.1	3420	3.2	5.6				
					③	88.0	51.8	3400	3.3	5.5				
					④	76.0	44.7	3400	3.3	5.4				
VWCE092PHGKS 3312 NH3	9293510101	12	6...14	F	①	131.0	77.1	4350	5.9	6.3	50	-20...+70	60 000	102 500
					②	122.0	71.8	4330	6.0	6.3				
					③	110.0	64.7	4290	6.1	6.2				
					④	96.0	56.5	4290	6.2	6.1				
VWCE092PHGKS 3312 N/2 H3P	9293510141	12	7...13.2	F	①	132.0	77.7	4350	5.4	6.4	50	-20...+75	67 500	115 000
					②	122.0	71.8	4310	5.5	6.3				
					③	110.0	64.7	4290	5.6	6.2				
					④	96.0	56.5	4290	5.6	6.1				
VWCE092PJGGS 3314 NL	9293510121	24	12...28	A	①	53.0	31.2	1850	0.7	4.0	24	-20...+75	95 000	160 000
					②	49.1	28.9	1850	0.7	4.0				
					③	46.3	27.3	1840	0.7	4.0				
					④	41.9	24.7	1840	0.7	4.0				
VWCE092PJGGS 3314 NM	9293510122	24	12...28	B	①	66.0	38.8	2250	1.1	4.4	29	-20...+75	85 000	142 500
					②	62.0	36.5	2240	1.1	4.3				
					③	56.0	33.0	2250	1.1	4.3				
					④	49.3	29.0	2240	1.1	4.2				
VWCE092PJGHS 3314 NN	9293510105	24	12...28	C	①	78.0	45.9	2650	1.7	4.8	35	-20...+75	77 500	130 000
					②	73.0	43.0	2640	1.7	4.6				
					③	68.0	40.0	2620	1.7	4.6				
					④	62.0	36.5	2620	1.7	4.5				

Subject to changes. More types in 24 or 48VDC on the next page.

Technical drawing

Dimensions in mm



VWCE092P...

DC axial fan · max. 137 m³/h · □ 92 x 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 190 g

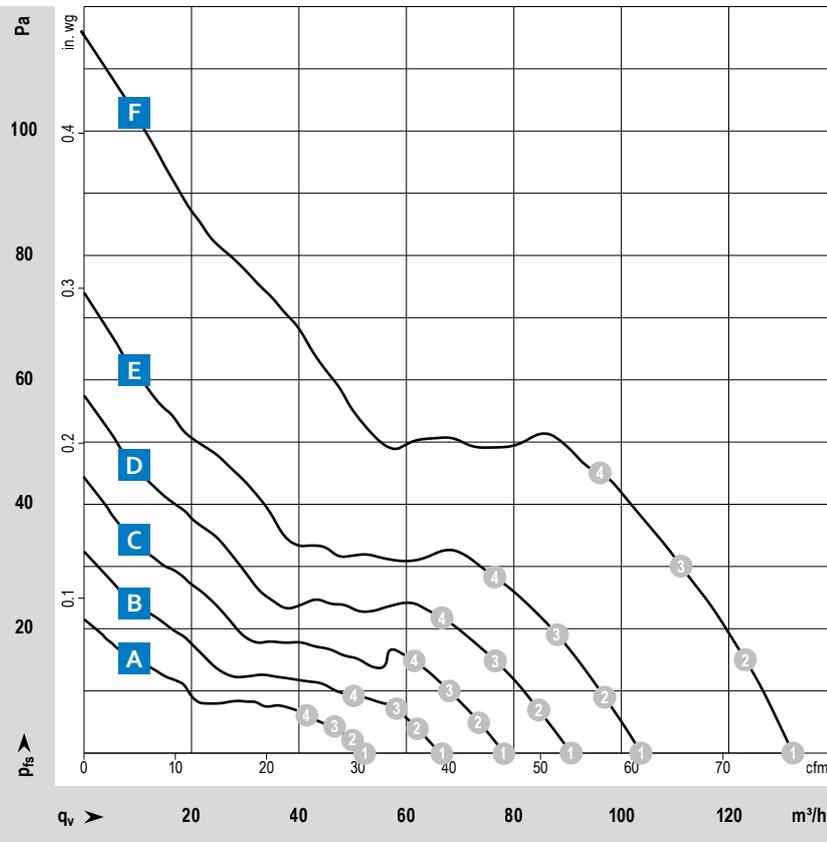
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

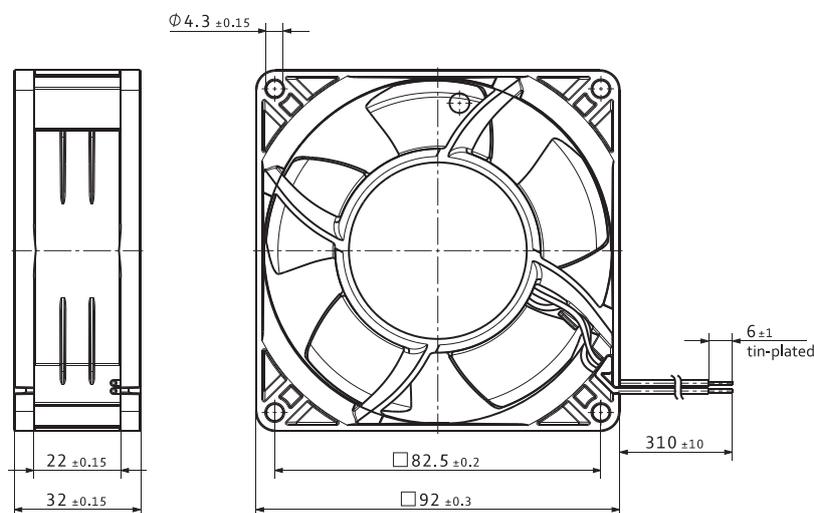
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCE092PJGJS 3314 NH	9293510110	24	12...28	D	①	91	54	3 050	2.4	5.3	38	-20...+75	72 500	122 500
					②	85	50	3 030	2.5	5.2				
					③	77	45	3 010	2.5	5.2				
					④	67	39	3 020	2.5	5.1				
VWCE092PJGJS 3314 NHH	9293510111	24	12...28	E	①	103	61	3 450	2.9	5.7	42	-20...+75	67 500	115 000
					②	96	57	3 430	3.0	5.6				
					③	86	51	3 400	3.1	5.5				
					④	75	44	3 400	3.1	5.4				
VWCE092PJGKS 3314 NH3	9293510102	24	12...28	F	①	132	78	4 350	5.5	6.4	50	-20...+75	60 000	102 500
					②	123	72	4 310	5.6	6.3				
					③	111	65	4 270	5.7	6.2				
					④	97	57	4 270	5.8	6.1				
VWCE092PJGKS 3314 N/2 H3P	9293510135	24	14...26.4	F	①	137	81	4 350	5.6	6.4	50	-20...+80	67 500	115 000
					②	126	74	4 330	5.7	6.3				
					③	113	67	4 300	5.8	6.2				
					④	99	58	4 300	5.8	6.1				
VWCE092PKGHS 3318 NN	9293510115	48	36...60	C	①	78	46	2 650	1.6	4.8	35	-20...+75	77 500	130 000
					②	73	43	2 630	1.7	4.6				
					③	68	40	2 620	1.7	4.6				
					④	61	36	2 620	1.7	4.5				
VWCE092PKGJS 3318 NH	9293510117	48	36...60	D	①	91	54	3 050	2.3	5.3	38	-20...+75	72 500	122 500
					②	85	50	3 040	2.4	5.2				
					③	77	45	3 020	2.4	5.2				
					④	67	39	3 010	2.4	5.1				
VWCE092PKGJS 3318 NHH	9293510123	48	36...60	E	①	103	61	3 450	3.0	5.7	42	-20...+75	67 500	115 000
					②	96	57	3 410	3.0	5.6				
					③	87	51	3 400	3.1	5.5				
					④	76	45	3 390	3.1	5.4				
VWCE092PKGKS 3318 NH3	9293510103	48	36...58	F	①	132	78	4 350	5.6	6.4	50	-20...+75	60 000	102 500
					②	123	72	4 310	5.7	6.3				
					③	111	65	4 270	5.9	6.2				
					④	96	57	4 270	5.9	6.1				
VWCE092PKGKS 3318 N/2 H3P	9293510142	48	36...56	F	①	135	79	4 350	6.4	6.4	50	-20...+70	67 500	115 000
					②	126	74	4 350	6.5	6.3				
					③	113	67	4 320	6.6	6.2				
					④	99	58	4 310	6.6	6.1				

Subject to changes. More types in 12 or 24 VDC on the previous page.

Technical drawing

Dimensions in mm



VWCF092J...

DC axial fan · max. 285 m³/h · □ 92 x 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan with rigid characteristic curve
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24 (H3 and H4: AWG 22)
- Electrical protection class: III
- Weight: 240 g (H3 and H4: 280 g)

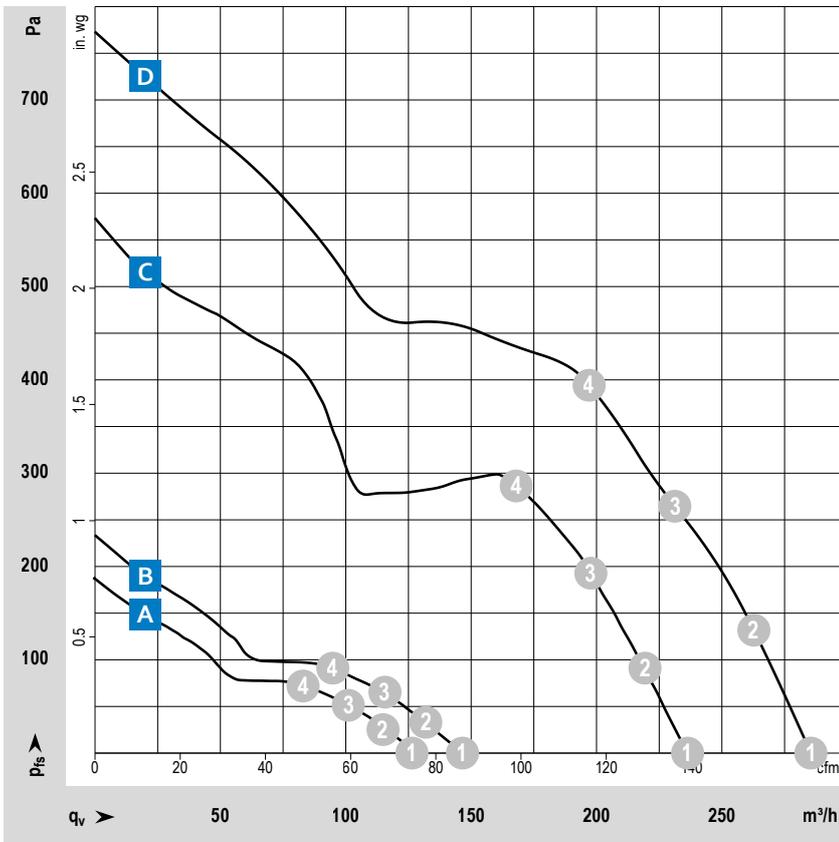
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more at	www.ebmpapst.com

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68



Measuring conditions

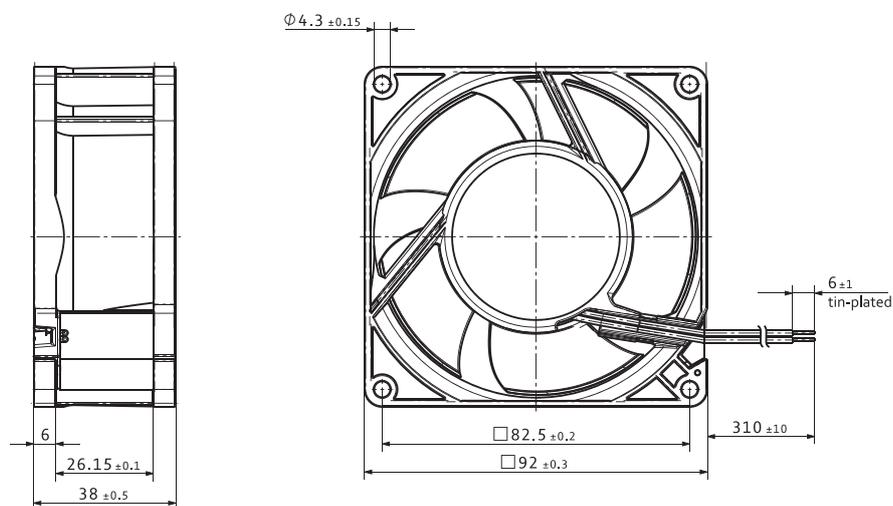
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWCF092JHGKS 3212 JN	9293510302	12	7...13.8	A	①	127	75	6 000	6.5	6.5	51	-20...+70	70 000	117 500
					②	114	67	5 860	6.9	6.4				
					③	99	58	5 730	7.2	6.2				
					④	82	48	5 650	7.5	6.0				
VWCF092JHGKS 3212 JH	9293510304	12	7...15	B	①	144	85	6 800	8.0	6.7	55	-20...+70	70 000	117 500
					②	131	77	6 650	8.5	6.6				
					③	114	67	6 530	9.0	6.5				
					④	94	55	6 450	9.3	6.4				
VWCF092JHGNS 3212 J/2H4P	9693520184	12	6...13.8	D	①	280	165	13 000	49.1	8.8	73	-20...+70	60 000	110 000
					②	251	148	12 600	52.2	8.5				
					③	221	130	12 300	54.8	8.3				
					④	187	110	12 100	57.0	8.1				
VWCF092JJGKS 3214 JN	9293510303	24	11...28	A	①	127	75	6 000	6.6	6.5	51	-20...+70	70 000	117 500
					②	116	68	5 860	7.1	6.4				
					③	101	59	5 740	7.4	6.2				
					④	84	49	5 660	7.7	6.0				
VWCF092JJGKS 3214 JH	9293510306	24	12...30	B	①	144	85	6 800	8.0	6.7	55	-20...+70	70 000	117 500
					②	131	77	6 650	8.5	6.6				
					③	113	67	6 530	9.0	6.5				
					④	94	55	6 450	9.3	6.4				
VWCF092JJGMS 3214 JH3 S-Force	9693520192	24	12...27.6	C	①	238	140	11 000	28.4	8.1	69	-20...+70	65 000	110 000
					②	221	130	11 000	32.5	8.0				
					③	199	117	11 000	36.1	7.9				
					④	170	100	10 980	38.1	7.8				
VWCF092JJGNS 3214 J/2H4P	9693520185	24	12...27.6	D	①	285	168	13 000	52.5	8.8	73	-20...+70	60 000	110 000
					②	258	152	12 650	55.0	8.5				
					③	226	133	12 200	55.0	8.3				
					④	191	112	11 800	55.0	8.1				
VWCF092JJKGKS 3218 JN	9293510305	48	36...56	A	①	128	75	6 050	6.5	6.5	51	-20...+70	70 000	117 500
					②	116	68	5 900	6.9	6.4				
					③	101	59	5 800	7.2	6.2				
					④	84	49	5 730	7.4	6.0				
VWCF092JJKGNS 3218 J/2H4P	9693520186	48	20...58	D	①	285	168	13 000	50.6	8.8	73	-20...+70	60 000	110 000
					②	263	155	12 970	57.4	8.5				
					③	231	136	12 650	60.0	8.3				
					④	197	116	12 380	60.0	8.1				

Subject to changes. 3200 JH3 and JH4 also available as standard with PWM control input and speed signal.
Speed control range from 2000 rpm up to maximum nominal speed. Standstill at 0% PWM, maximum speed if control cable is interrupted.

Technical drawing

Dimensions in mm



VWCF092P...

DC axial fan · max. 276 m³/h · □ 92 x 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48 VDC; compact, small and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 250 g

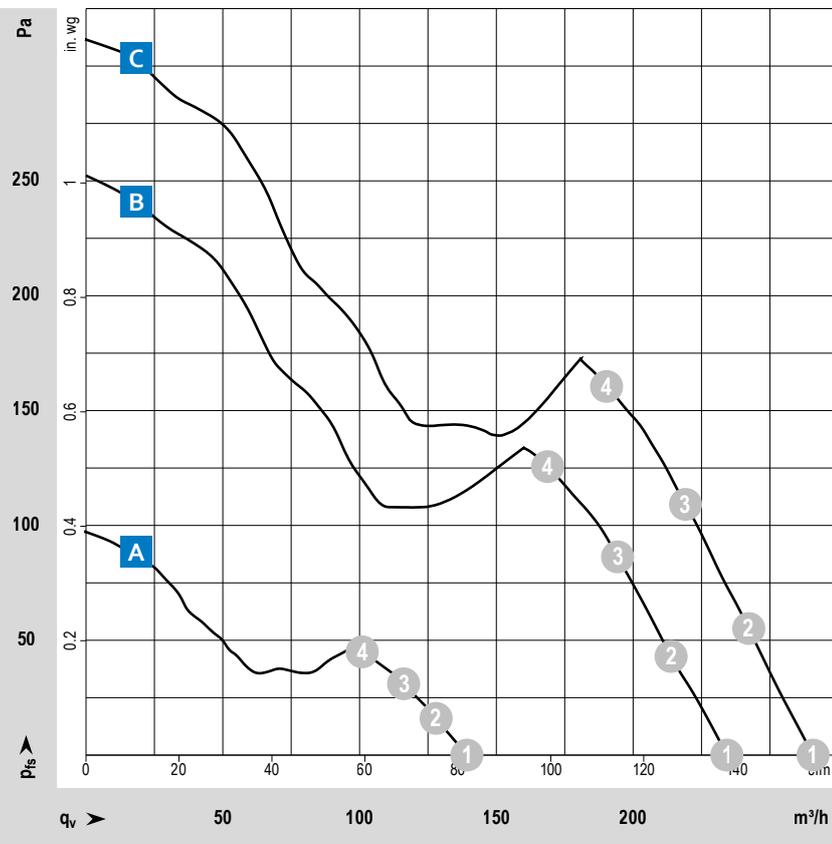
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

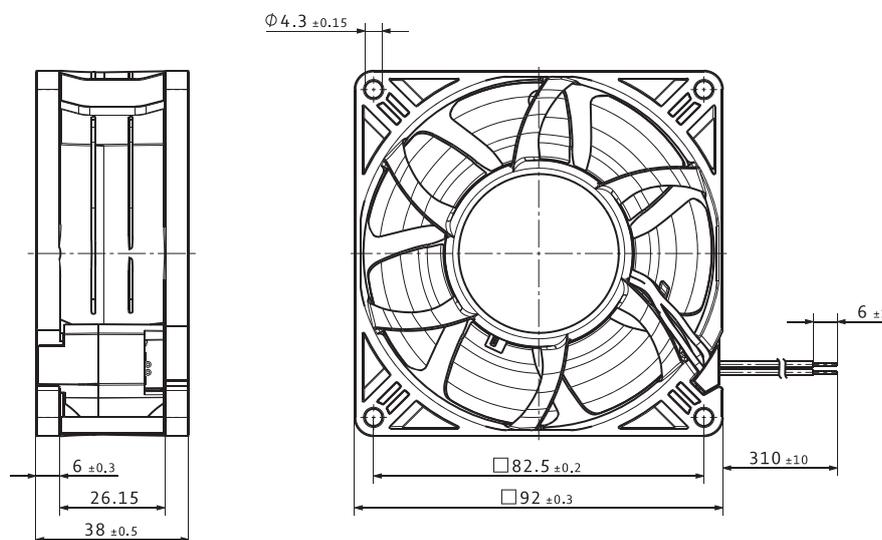
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCF092PHGKS 3252 JH	9293512008	12	7...13.2	A	①	148	87	4 100	6.1	6.1	46	-20...+70	100 000	170 000
					②	136	80	4 120	6.1	6.0				
					③	122	72	4 120	6.1	5.8				
					④	106	62	4 140	6.0	5.7				
VWCF092PHGNS 3252 JH3	9293512024	12	7...13.2	C	①	266	157	7 450	32.6	7.8	64	-20...+70	85 000	142 500
					②	242	142	7 420	32.9	7.7				
					③	219	129	7 430	32.9	7.5				
					④	190	112	7 500	32.2	7.4				
VWCF092PJGKS 3254 JH	9293512015	24	14...26.4	A	①	139	82	4 100	5.9	6.1	46	-20...+70	100 000	170 000
					②	128	75	4 090	5.9	6.0				
					③	116	68	4 090	5.9	5.8				
					④	101	59	4 100	5.8	5.7				
VWCF092PJGNS 3254 J/2 H3P	9293512002	24	14...26.4	C	①	276	162	7 450	32.2	7.8	64	-20...+70	85 000	142 500
					②	247	145	7 420	32.4	7.7				
					③	223	131	7 410	32.4	7.5				
					④	196	115	7 470	32.1	7.4				
VWCF092PKGKS 3258 JH	9293512009	48	36...56	A	①	141	83	4 100	6.7	6.1	46	-20...+70	100 000	170 000
					②	130	77	4 090	6.8	6.0				
					③	117	69	4 090	6.7	5.8				
					④	101	59	4 100	6.6	5.7				
VWCF092PKGMS 3258 J/2 HHP	9293512004	48	36...56	B	①	234	138	6 650	22.2	7.5	64	-20...+70	90 000	152 500
					②	214	126	6 600	22.3	7.4				
					③	194	114	6 600	22.4	7.2				
					④	169	99	6 670	22.0	7.1				
VWCF092PKGNS 3258 J/2 H3P	9293512001	48	36...56	C	①	264	155	7 450	31.7	7.8	64	-20...+70	85 000	142 500
					②	241	142	7 430	31.9	7.7				
					③	218	128	7 440	31.8	7.5				
					④	189	111	7 520	31.1	7.4				

Subject to changes.

DC axial fans

Technical drawing

Dimensions in mm



VWJK100TKGRS

DC axial fan · max. 542 m³/h · □ 100x90 mm



Material/Surface

- Housing: Plastic + Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 48 VDC; counter-rotating fan with two counter-rotating fan wheels and aluminum flange with integrated guide blades; extraordinarily pressure-oriented
- Direction of air flow: exhaust over struts
- Direction of rotation: counter-rotating
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Molex plug 43025-0800
Molex contacts 43030-0003
- Electrical protection class: II
- Weight: 600 g

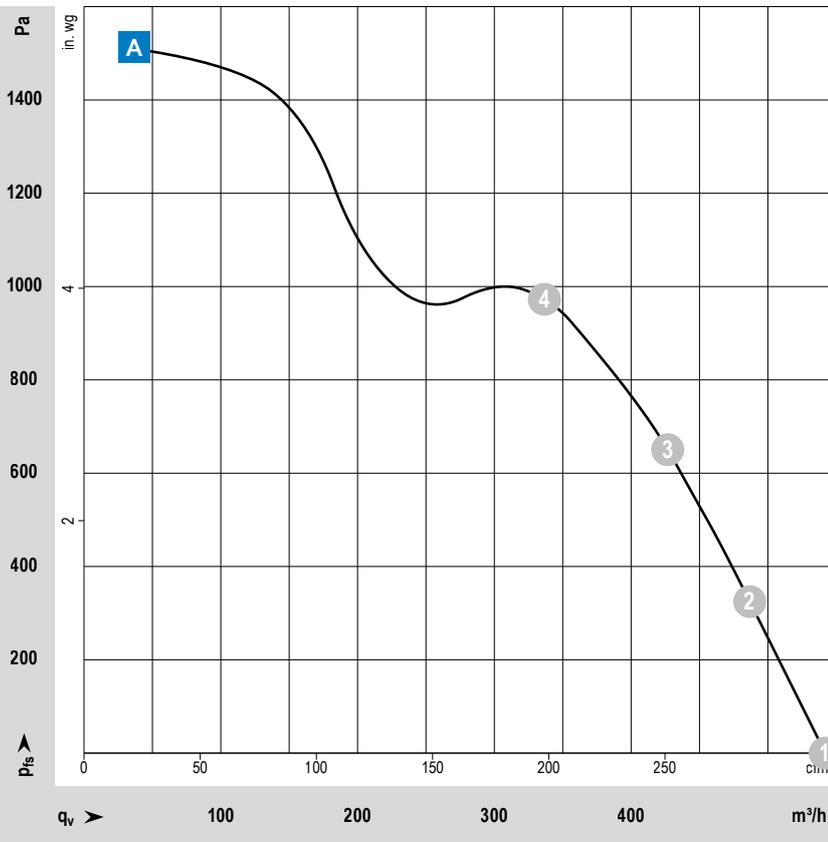
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more at	www.ebmpapst.com

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- PWM control input
- Analog control input
- Moisture protection



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

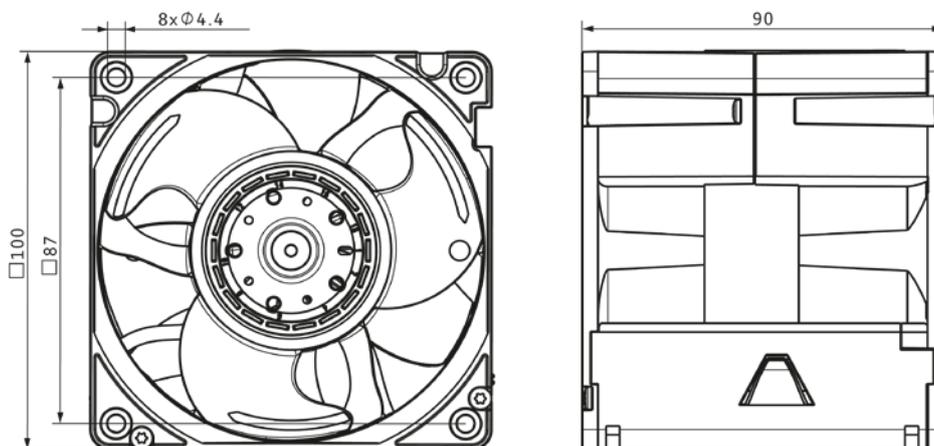
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{100FC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWJK100TKGRS AxiTwin 100	8315100209	48	36...60	A	①	542	319	11 000	135.0	9.3	84	-20...+70	70 000	117 500
					②	487	287	11 000	158.4	9.2				
					③	427	251	11 000	177.6	9.0				
					④	337	198	11 000	184.7	9.1				

Subject to changes.

Technical drawing

Dimensions in mm



VWCD119F...

DC axial fan · max. 159 m³/h · □ 119 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact, small and lightweight; low-profile, noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings or ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 175 g

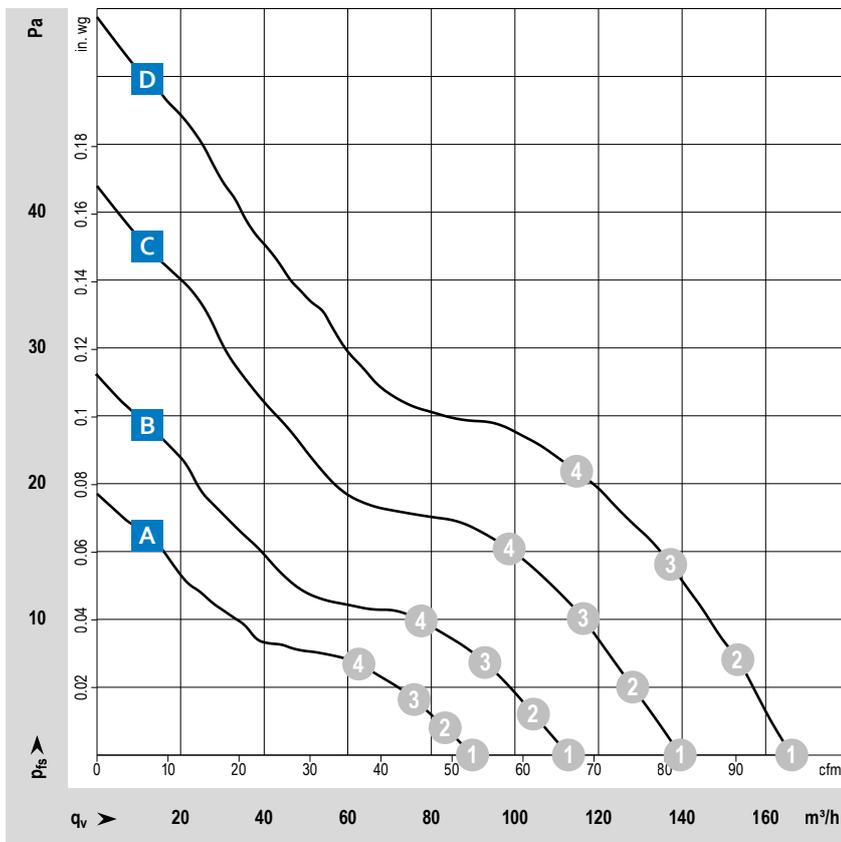
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

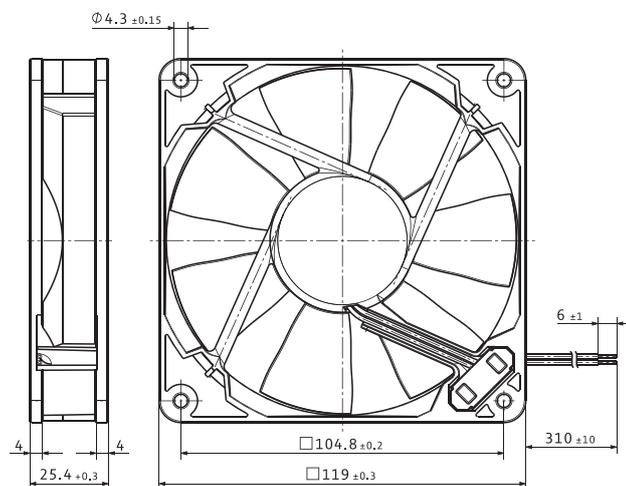
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_{r,wer} level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD119FHGJS 4412 FGL	9293505438	12	7...14	A	①	90	53	1 600	0.9	4.1	26	-20...+75	80 000	135 000
					②	83	49	1 570	1.0	4.0				
					③	75	44	1 540	1.0	4.0				
					④	64	38	1 500	1.0	3.9				
VWCD119FHGJS 4412 FGML	9293505434	12	7...12.6	B	①	113	67	1 950	1.7	4.6	32	-20...+75	75 000	127 500
					②	104	61	1 920	1.8	4.6				
					③	94	55	1 880	1.8	4.5				
					④	78	46	1 840	1.9	4.4				
VWCD119FHGJS 4412 FML	9293505464	12	7...12.6	B	①	105	62	1 950	1.7	4.6	32	-20...+75	75 000	127 500
					②	97	57	1 910	1.7	4.6				
					③	88	52	1 880	1.7	4.5				
					④	75	44	1 840	1.8	4.4				
VWCD119FHGKS 4412 FGM	9293505435	12	7...12.6	C	①	139	82	2 400	2.6	5.3	38	-20...+75	70 000	117 500
					②	127	75	2 350	2.7	5.2				
					③	114	67	2 280	2.7	5.1				
					④	96	57	2 210	2.8	5.1				
VWCD119FHGKS 4412 FM	9293505409	12	7...12.6	C	①	140	82	2 400	3.2	5.3	38	-20...+75	70 000	117 500
					②	128	75	2 340	3.3	5.2				
					③	116	68	2 290	3.4	5.1				
					④	98	58	2 220	3.5	5.1				
VWCD119FHGLS 4412 F	9293505444	12	8...12.6	D	①	159	94	2 900	4.9	5.6	43	-20...+60	60 000	102 500
					②	147	87	2 830	5.0	5.5				
					③	132	78	2 760	5.1	5.5				
					④	111	65	2 690	5.2	5.5				
VWCD119FJGJS 4414 FL	9293505528	24	18...28	A	①	90	53	1 600	1.1	4.1	26	-20...+75	80 000	135 000
					②	83	49	1 570	1.1	4.0				
					③	76	45	1 540	1.1	4.0				
					④	64	38	1 500	1.2	3.9				
VWCD119FJGKS 4414 FM	9293505407	24	12...28	C	①	131	77	2 400	2.5	5.3	38	-20...+75	70 000	117 500
					②	122	72	2 340	2.6	5.2				
					③	110	65	2 290	2.7	5.1				
					④	93	55	2 250	2.7	5.1				
VWCD119FJGLS 4414 F	9293505405	24	12...28	D	①	159	94	2 900	4.3	5.6	43	-20...+60	60 000	102 500
					②	147	87	2 830	4.4	5.5				
					③	131	77	2 750	4.5	5.5				
					④	111	65	2 700	4.6	5.5				
VWCD119FKGLS 4418 F	9293505449	48	28...53	D	①	159	94	2 900	4.6	5.6	43	-20...+60	60 000	102 500
					②	147	87	2 840	4.7	5.5				
					③	132	78	2 760	4.9	5.5				
					④	111	65	2 700	5.0	5.5				

Subject to changes.

Technical drawing

Dimensions in mm



VWS0113F...

DC axial fan · max. 149 m³/h · Ø 127 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12 VDC; compact, small and lightweight; low-profile, noise and efficiency optimized axial fan in round version
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 170 g

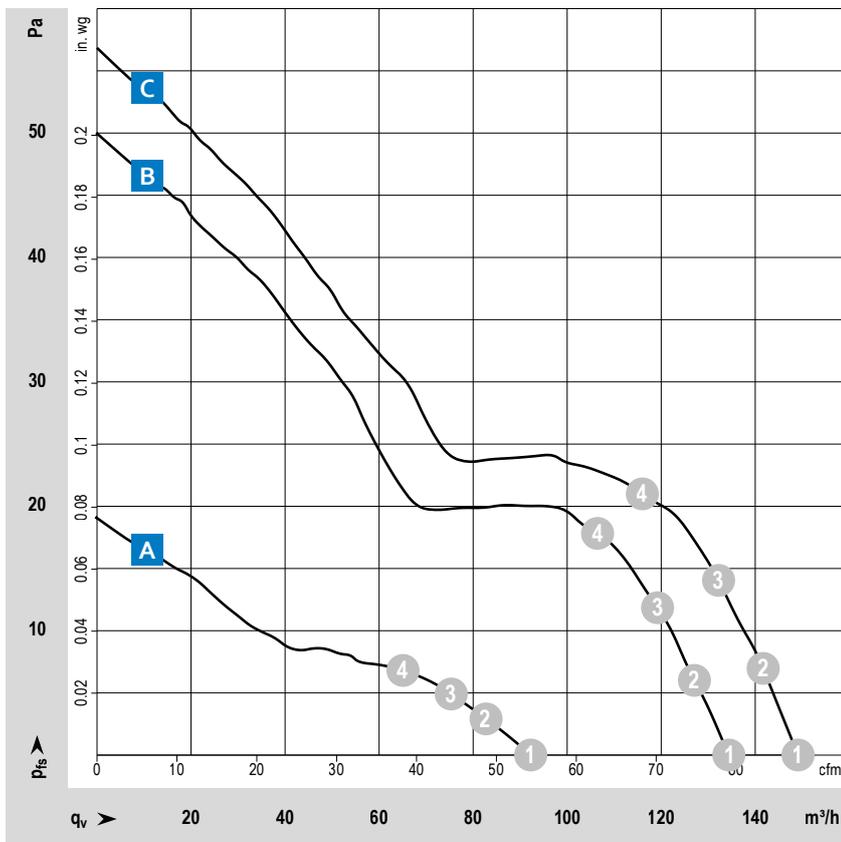
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

Options

- Speed signal
- Go / NoGo alarm
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Direction of rotation reversible
- Symmetrical impeller

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Measuring conditions

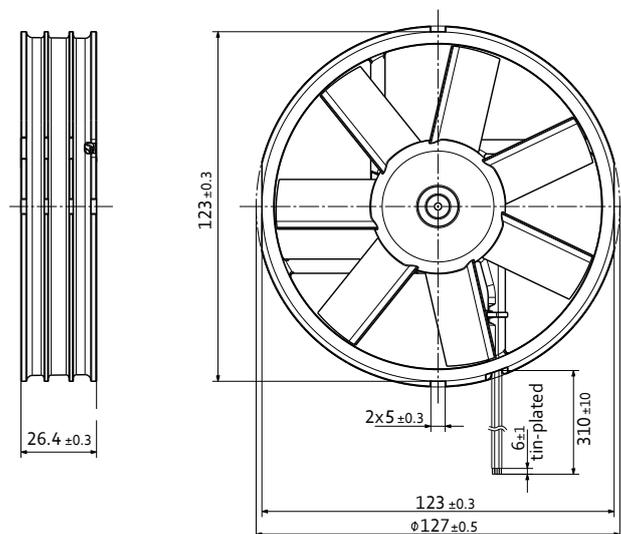
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWS0113FUGAS 4412 FGL-573	9293505573	12	7...15	A	①	92	54	1 600	1.0	3.9	26	-20...+75	80 000	135 000
					②	84	49	1 580	1.0	3.9				
					③	76	45	1 540	1.1	3.8				
					④	66	39	1 510	1.1	3.8				
VWS0113FUGAZ 4412 FGMPR-197	9693500197	12	7...12.6	B	①	134	79	2 400	2.7	4.9	38	-20...+65	75 000	117 500
					②	127	75	2 400	3.0	4.9				
					③	120	71	2 400	3.4	4.8				
					④	107	63	2 400	3.7	4.8				
VWS0113FUGAZ 4412 FGPR-194	9693500194	12	8...12.6	C	①	149	88	2 650	3.4	5.1	43	-20...+50	60 000	102 500
					②	142	84	2 640	3.8	5.1				
					③	132	78	2 640	4.2	5.0				
					④	116	68	2 610	4.5	5.0				

Subject to changes.
Further voltage variants (24 VDC, 48 VDC) and speed variants as well as ball bearings versions are possible as additional fan types.

Technical drawing

Dimensions in mm



VWS0112EUGAS

DC axial fan · max. 135 m³/h · Ø 126 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12 VDC; axial fan designed for maximum noise reduction with volume-oriented characteristic curve and round housing; reversibility and symmetrical fan impeller enable identical air performance values in both directions of rotation
- Direction of air flow: exhaust over struts / intake over struts
- Direction of rotation: reversible
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 26
- Electrical protection class: III
- Weight: 170 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

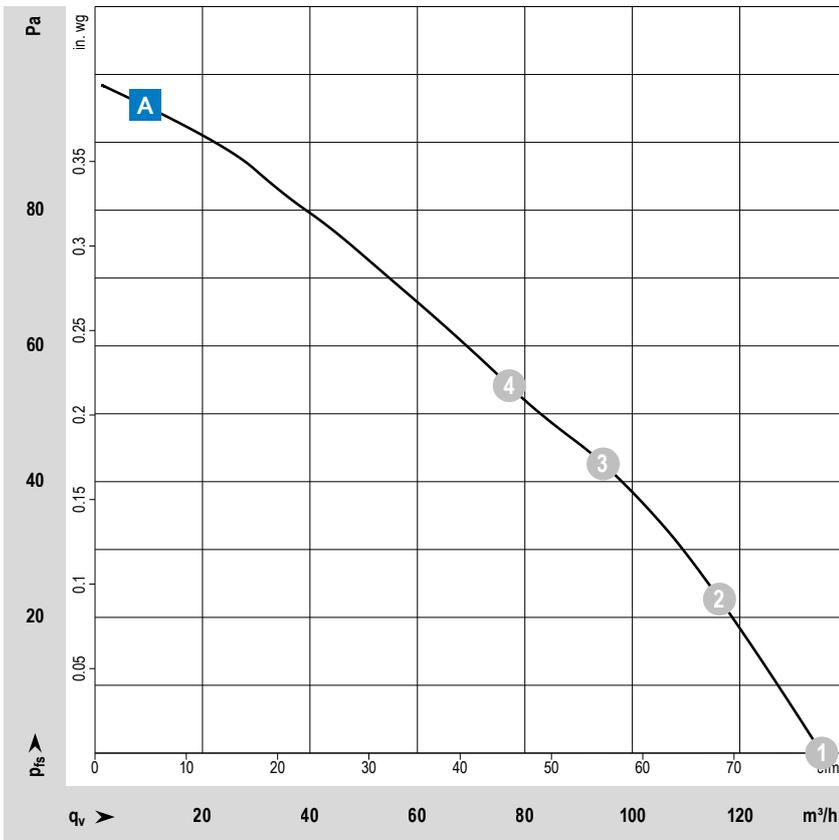
Options

- Speed signal
- PWM control input
- Analog control input
- Moisture protection

Special features

- Direction of rotation reversible
- Symmetrical impeller

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Measuring conditions

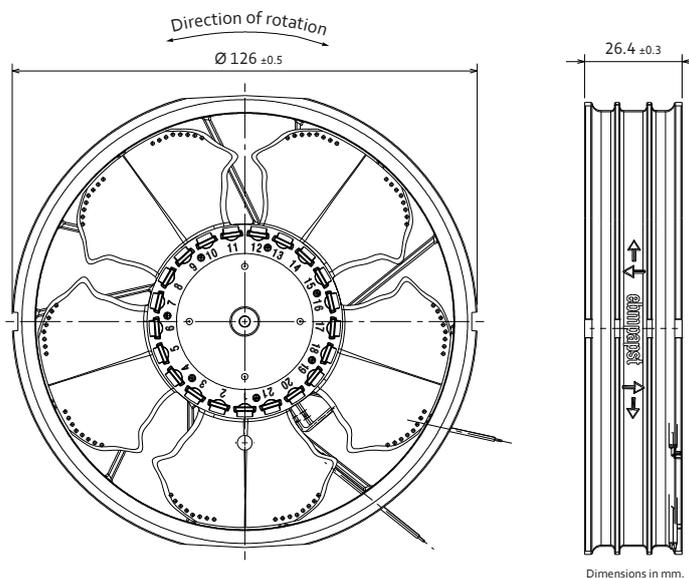
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II	
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours	
VWS0112EUGAS AxiRev 126	8315100253	12	10.8...13.2	A	①	135	79	4 200	2.5	6.4	52	-20...+60	on request	on request	
						②	117	69	4 200	3.3					6.5
						③	95	56	4 200	4.1					6.7
						④	77	45	4 200	4.7					6.9

Subject to changes.

Technical drawing

Dimensions in mm



VWCD119F...

DC axial fan · max. 225 m³/h · □ 119 x 25 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact, small and light; low-profile, noise and efficiency optimized axial fan nevertheless with rigid characteristic curve
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 245 g

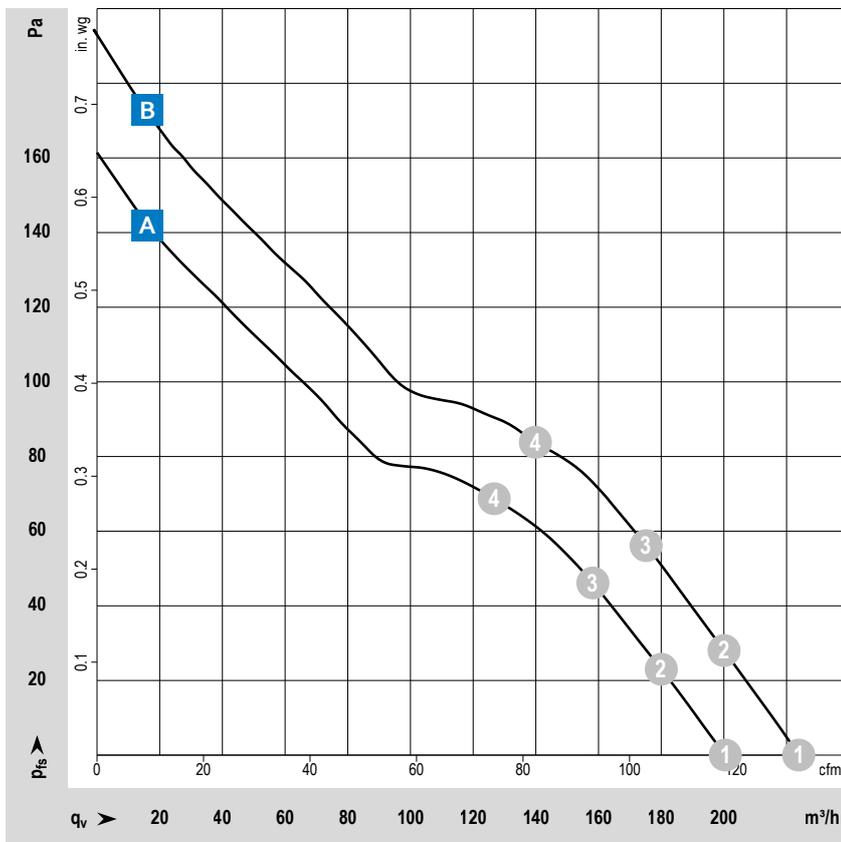
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more at	www.ebmpapst.com

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection



Measuring conditions

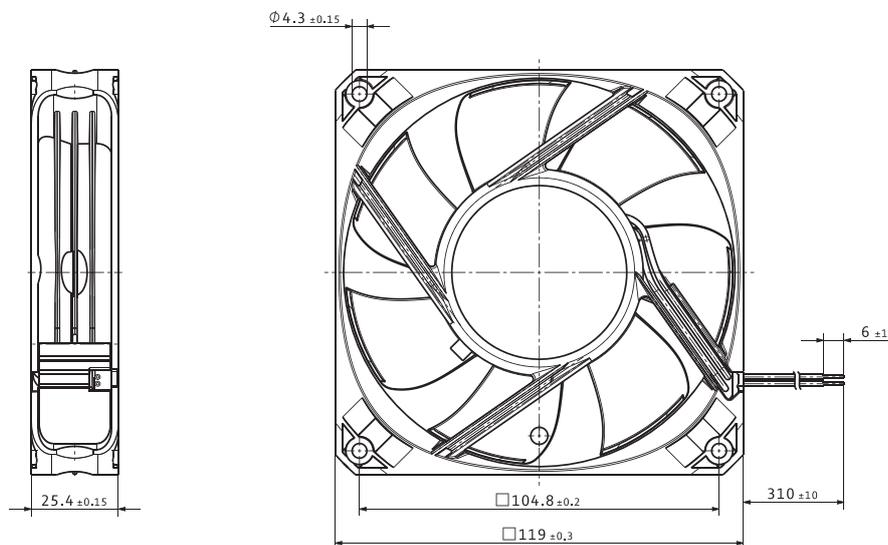
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD119FHJMS 4412 FNH	9694390181	12	9...13.2	B	①	224	132	5 400	12.8	6.8	55	-20...+70	60 000	102 500
					②	200	118	5 210	13.7	6.6				
					③	175	103	5 070	14.6	6.4				
					④	140	82	4 960	15.2	6.4				
VWCD119FJJMS 4414 FNN	9294307002	24	14...28	A	①	200	118	4 850	8.5	6.5	52	-20...+70	60 000	102 500
					②	180	106	4 720	9.1	6.3				
					③	158	93	4 600	9.8	6.1				
					④	127	75	4 510	10.3	6.3				
VWCD119FJJMS 4414 FNH	9694390184	24	18...26.4	B	①	225	132	5 400	11.7	6.8	55	-20...+70	60 000	102 500
					②	201	118	5 230	12.6	6.6				
					③	175	103	5 080	13.4	6.4				
					④	139	82	4 970	13.9	6.4				
VWCD119FKJMS 4418 FNH	9694390182	48	36...53	B	①	222	131	5 400	11.7	6.8	55	-20...+70	60 000	102 500
					②	199	117	5 230	12.5	6.6				
					③	174	102	5 080	13.2	6.4				
					④	139	82	4 980	13.7	6.4				

Subject to changes.

Technical drawing

Dimensions in mm



VWCE119P...

DC axial fan · max. 187 m³/h · □ 119 x 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 250 g

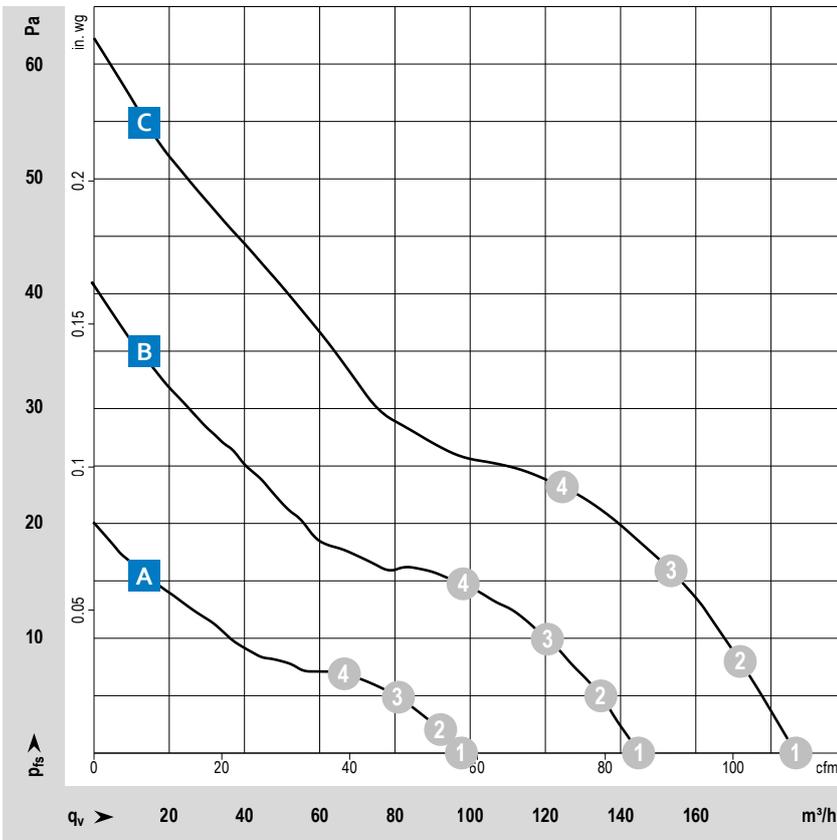
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

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Measuring conditions

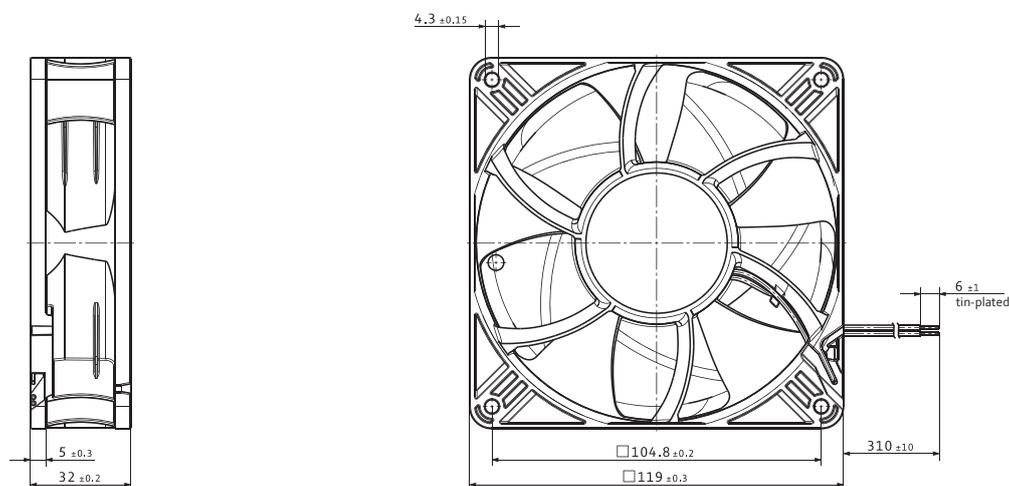
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCE119PHGJS 4312 NL	9293510707	12	6...15	A	①	99	58	1 450	0.8	4.2	25	-20...+75	95 000	160 000
					②	92	54	1 440	0.8	4.2				
					③	83	49	1 430	0.8	4.2				
					④	68	40	1 420	0.8	4.1				
VWCE119PHGKS 4312 NM	9293510708	12	6...15	B	①	145	85	2 100	1.9	5.0	36	-20...+75	85 000	142 500
					②	135	79	2 080	1.9	4.9				
					③	121	71	2 050	2.0	4.8				
					④	99	58	2 040	2.0	4.7				
VWCE119PHGLS 4312 NN	9293510709	12	6...15	C	①	187	110	2 700	4.0	5.5	43	-20...+75	75 000	127 500
					②	172	101	2 660	4.1	5.5				
					③	154	91	2 640	4.2	5.4				
					④	124	73	2 610	4.3	5.4				
VWCE119PJGJS 4314 NL	9293510710	24	12...28	A	①	98	58	1 450	0.9	4.2	25	-20...+75	95 000	160 000
					②	91	54	1 440	0.9	4.2				
					③	82	48	1 430	0.9	4.2				
					④	67	39	1 430	0.9	4.1				
VWCE119PJGKS 4314 NM	9293510713	24	12...28	B	①	144	85	2 100	2.0	5.0	36	-20...+75	85 000	142 000
					②	133	78	2 080	2.0	4.9				
					③	119	70	2 060	2.1	4.8				
					④	97	57	2 050	2.1	4.7				
VWCE119PJGLS 4314 NN	9293510701	24	12...28	C	①	187	110	2 700	3.9	5.5	43	-20...+75	75 000	127 500
					②	172	101	2 650	4.0	5.5				
					③	154	91	2 610	4.1	5.4				
					④	125	74	2 600	4.2	5.4				
VWCE119PKGLS 4318 NN	9293510723	48	36...60	C	①	187	110	2 700	4.2	5.5	43	-20...+75	75 000	127 500
					②	172	101	2 670	4.3	5.5				
					③	155	91	2 640	4.4	5.4				
					④	126	74	2 620	4.4	5.4				

Subject to changes. More fan types can be found on the next page.

Technical drawing

Dimensions in mm



VWCE119P...

DC axial fan · max. 284 m³/h · □ 119 x 32 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and lightweight; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 250 g

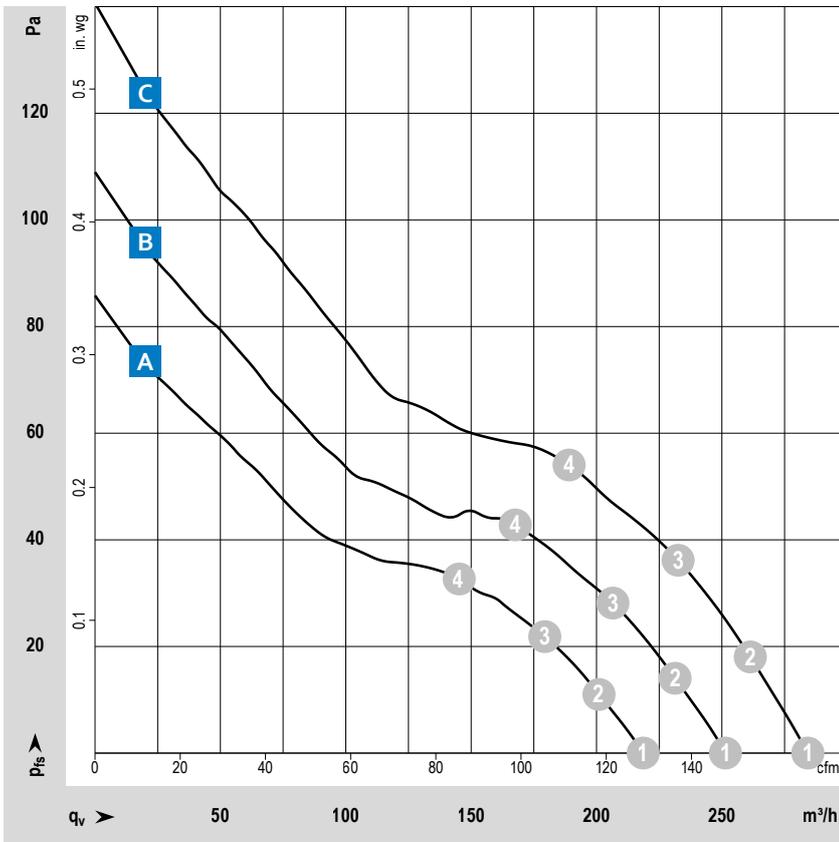
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

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more at	www.ebmpapst.com



Measuring conditions

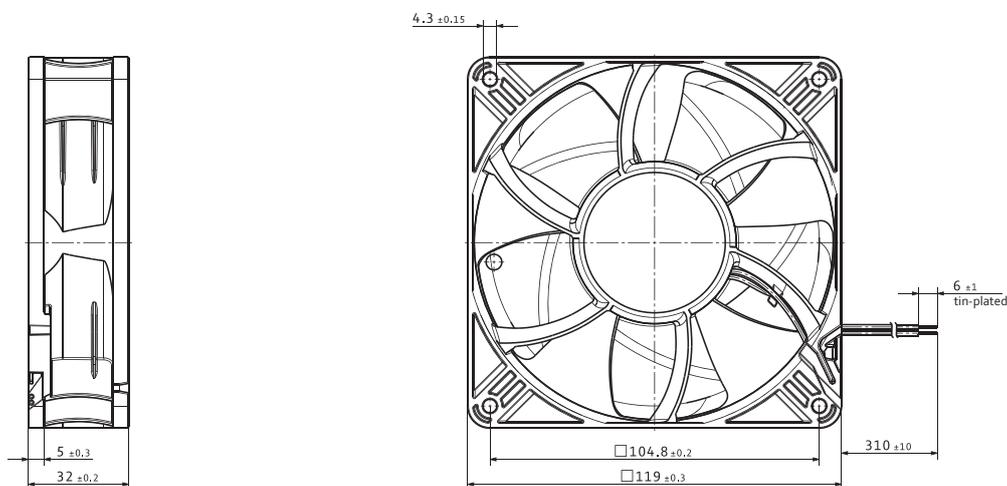
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. 11
		VDC	VDC			m ³ /h	cfm	rpm						
VWCE119PHGMS 4312 NH	9293510703	12	6...15	A	①	219	129	3 150	7.0	6.0	47	-20...+75	70 000	117 500
					②	201	118	3 090	7.2	5.9				
					③	179	105	3 030	7.3	5.8				
					④	145	85	3 000	7.3	5.8				
VWCE119PHGMS 4312 NHH	9293510745	12	6...14.4	B	①	251	148	3 600	9.7	6.5	51	-20...+65	65 000	110 000
					②	231	136	3 530	10.0	6.4				
					③	206	121	3 470	10.2	6.3				
					④	168	99	3 440	10.3	6.2				
VWCE119PHGNS 4312 NH3	9293510742	12	7...13.2	C	①	284	167	4 050	11.0	6.7	55	-20...+75	60 000	102 500
					②	261	154	3 970	11.3	6.7				
					③	232	137	3 900	11.6	6.6				
					④	189	111	3 880	11.7	6.5				
VWCE119PJGMS 4314 NH	9293510714	24	12...28	A	①	219	129	3 150	5.8	6.0	47	-20...+75	70 000	117 500
					②	202	119	3 100	6.0	5.9				
					③	180	106	3 060	6.1	5.8				
					④	147	87	3 050	6.1	5.8				
VWCE119PJGMS 4314 NHH	9293510732	24	12...27	B	①	250	147	3 600	9.3	6.5	51	-20...+70	65 000	110 000
					②	231	136	3 540	9.5	6.4				
					③	204	120	3 480	9.8	6.3				
					④	166	98	3 450	9.9	6.2				
VWCE119PJGNS 4314 NH3	9293510712	24	14...26.4	C	①	283	167	4 050	10.0	6.7	55	-20...+75	60 000	102 500
					②	260	153	3 990	10.3	6.7				
					③	232	137	3 920	10.6	6.6				
					④	189	111	3 880	10.8	6.5				
VWCE119PKGMS 4318 NH	9293510704	48	36...60	A	①	219	129	3 150	6.1	6.0	47	-20...+75	70 000	117 500
					②	201	118	3 100	6.3	5.9				
					③	180	106	3 050	6.4	5.8				
					④	146	86	3 030	6.5	5.8				
VWCE119PKGNS 4318 NH3	9293510739	48	36...52.8	C	①	279	164	4 050	10.5	6.7	55	-20...+75	60 000	102 500
					②	257	151	3 990	10.8	6.7				
					③	231	136	3 930	11.1	6.6				
					④	188	111	3 900	11.3	6.5				

Subject to changes.

Technical drawing

Dimensions in mm



VWCF119A...

DC axial fan · max. 205 m³/h · □ 119 x 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and lightweight; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 270 g

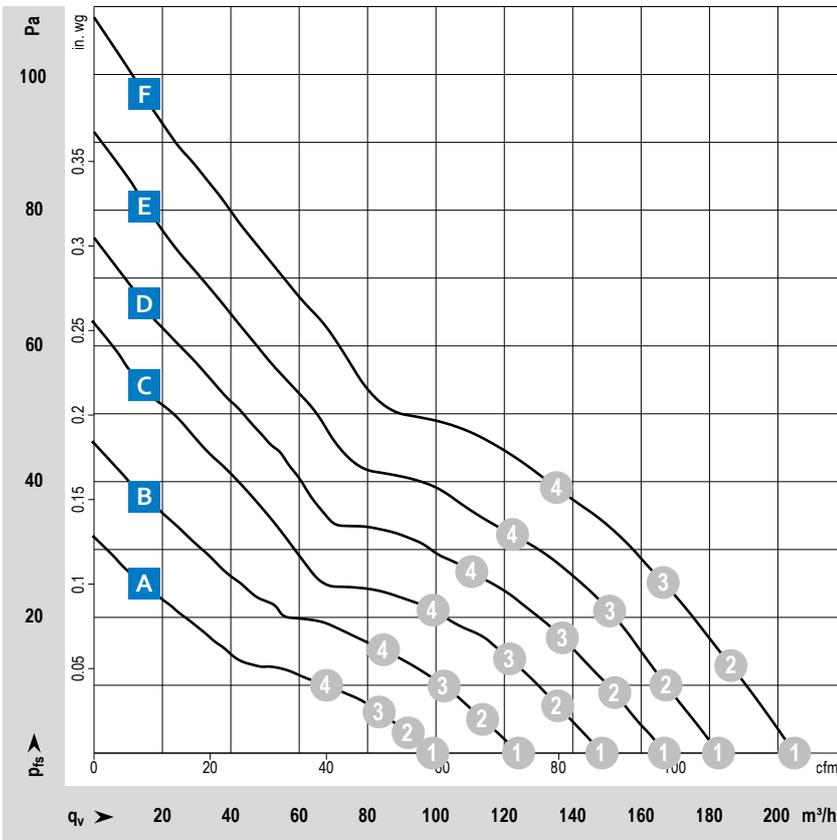
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP68

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Measuring conditions

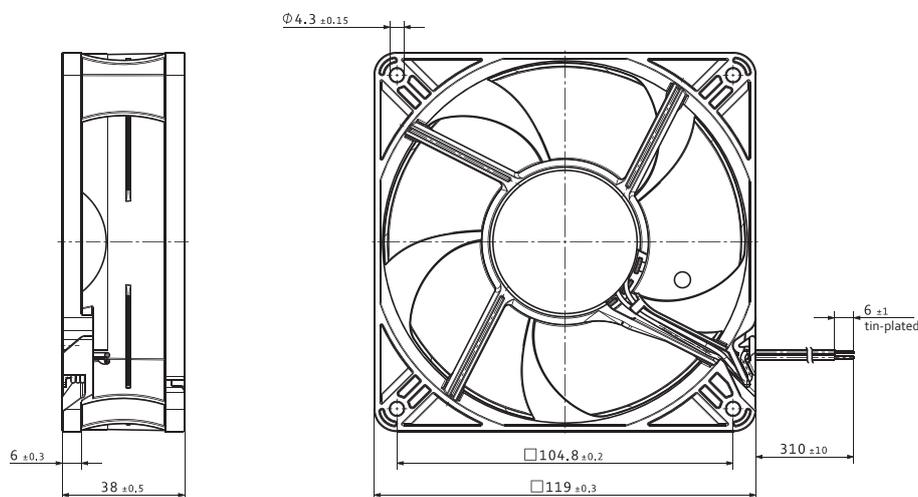
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. 11
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCF119AHGLS 4412 ML	9293510561	12	7...15	D	①	167	98	3 000	2.9	5.5	40	-20...+80	67 500	115 000
					②	153	90	2 940	3.1	5.4				
					③	137	81	2 880	3.3	5.3				
					④	111	65	2 820	3.6	5.1				
VWCF119AHGLS 4412 M	9293510508	12	7...14	E	①	183	108	3 300	3.5	5.7	42	-20...+75	65 000	110 000
					②	168	99	3 230	3.8	5.6				
					③	151	89	3 170	4.0	5.5				
					④	122	72	3 100	4.4	5.5				
VWCF119AHGMS 4412 N	9293510501	12	7...14	F	①	205	121	3 650	4.8	6.1	46	-20...+70	62 500	105 000
					②	187	110	3 580	5.2	6.0				
					③	166	98	3 500	5.6	5.8				
					④	135	79	3 410	6.1	5.6				
VWCF119AJGJS 4414 L3	9293510558	24	12...28	A	①	99	58	1 800	1.0	4.2	26	-20...+80	75 500	127 500
					②	92	54	1 790	1.0	4.2				
					③	83	49	1 770	1.1	4.1				
					④	68	40	1 740	1.1	4.0				
VWCF119AJGKS 4414 L	9293510518	24	18...28	C	①	149	88	2 700	2.4	5.2	37	-20...+80	67 500	115 000
					②	136	80	2 660	2.5	5.1				
					③	122	72	2 610	2.7	5.0				
					④	99	58	2 560	2.8	5.0				
VWCF119AJGLS 4414 ML	9293510560	24	12...28	D	①	166	98	3 000	3.1	5.5	40	-20...+80	67 500	115 000
					②	153	90	2 950	3.3	5.4				
					③	137	81	2 900	3.5	5.3				
					④	112	66	2 830	3.8	5.1				
VWCF119AJGLS 4414 M	9293510509	24	18...28	E	①	180	106	3 300	3.7	5.7	42	-20...+75	65 000	110 000
					②	165	97	3 240	3.9	5.6				
					③	148	87	3 190	4.2	5.5				
					④	120	71	3 120	4.6	5.5				
VWCF119AJGMS 4414 N	9293510503	24	18...28	F	①	204	120	3 650	4.8	6.1	46	-20...+70	62 500	105 000
					②	187	110	3 560	5.2	6.0				
					③	167	98	3 480	5.6	5.8				
					④	135	79	3 390	6.0	5.6				
VWCF119AKGLS 4418 M	9293510519	48	36...60	E	①	183	108	3 300	3.8	5.7	42	-20...+70	65 000	110 000
					②	167	98	3 210	4.1	5.6				
					③	151	89	3 150	4.3	5.5				
					④	122	72	3 080	4.6	5.5				
VWCF119AKGMS 4418 N	9293510505	48	36...60	F	①	203	119	3 650	4.8	6.1	46	-20...+70	62 500	105 000
					②	185	109	3 580	5.2	6.0				
					③	165	97	3 500	5.5	5.8				
					④	132	78	3 420	5.9	5.6				

Subject to changes. More fan types can be found on the next page.

Technical drawing

Dimensions in mm



VWCF119A...

DC axial fan · max. 286 m³/h · □ 119 × 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 24
- Electrical protection class: III
- Weight: 270 g

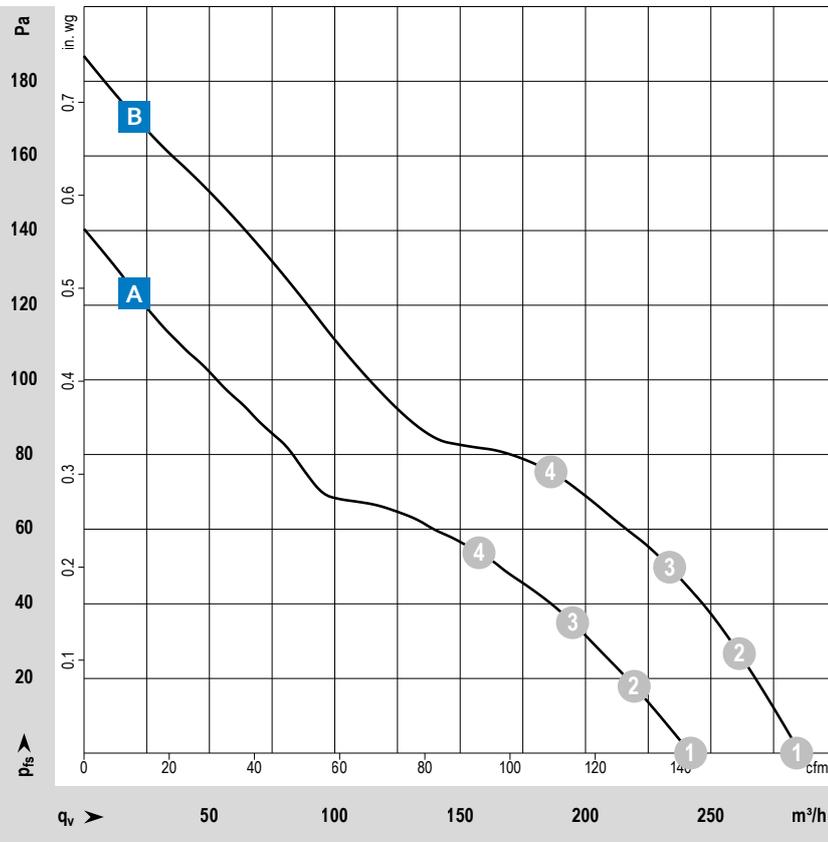
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T4

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Degree of protection: up to IP54

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more at	www.ebmpapst.com



Measuring conditions

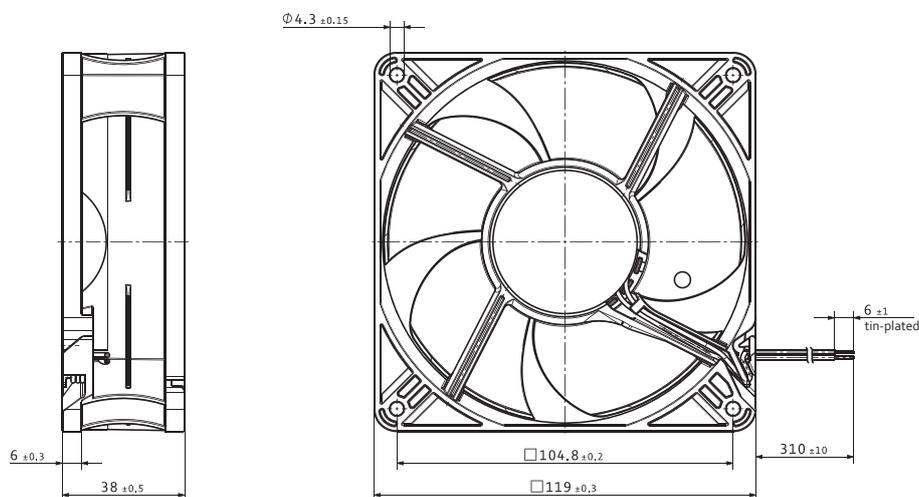
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ FC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCF119AHGMS 4412 H	9293510500	12	7...14	A	①	242	142	4 300	7.5	6.7	50	-20...+70	57 500	97 500
					②	220	129	4 180	8.1	6.5				
					③	195	115	4 070	8.7	6.4				
					④	158	93	3 950	9.4	6.1				
VWCF119AHGNS 4412/2 HHP	9693530182	12	7...14.5	B	①	272	160	5 000	10.8	6.8	55	-20...+70	50 000	85 000
					②	254	149	5 000	12.7	6.7				
					③	233	137	5 000	14.5	6.6				
					④	189	111	4 890	15.8	6.6				
VWCF119AJGMS 4414 H	9293510502	24	18...28	A	①	243	143	4 300	7.1	6.7	50	-20...+70	57 500	97 500
					②	220	129	4 190	7.6	6.5				
					③	196	115	4 080	8.2	6.4				
					④	158	93	3 970	8.9	6.1				
VWCF119AJGNS 4414 HH	9293510524	24	16...28	B	①	281	165	5 000	12.8	6.8	55	-20...+70	50 000	85 000
					②	254	149	4 870	13.8	6.7				
					③	226	133	4 740	14.7	6.6				
					④	179	105	4 590	15.8	6.5				
VWCF119AJGNS 4414/2 HHP	9693530183	24	18...28	B	①	286	168	5 000	11.3	6.8	55	-20...+70	50 000	85 000
					②	263	155	4 950	12.7	6.7				
					③	234	138	4 840	13.7	6.6				
					④	187	110	4 690	14.5	6.6				
VWCF119AKGMS 4418 H	9293510504	48	36...60	A	①	242	142	4 300	7.1	6.7	50	-20...+70	57 500	97 500
					②	220	129	4 180	7.7	6.5				
					③	195	115	4 070	8.3	6.4				
					④	157	92	3 960	9.0	6.1				
VWCF119AKGNS 4418/2 HHP	9693530180	48	36...60	B	①	279	164	5 000	10.9	6.8	55	-20...+70	50 000	85 000
					②	259	152	4 990	12.4	6.7				
					③	232	137	4 880	13.2	6.6				
					④	189	111	4 740	14.3	6.6				

Subject to changes.

Technical drawing

Dimensions in mm



VWC0120KUJBS

DC axial fan · max. 342 m³/h · □ 120 x 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan of the AxiForce series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: exposed wire
12V: 2xAWG22 (power supply) and 2x AWG24 (Signal wires);
24V/48V: 4x AWG24
- Electrical protection class: III
- Weight: 300 g

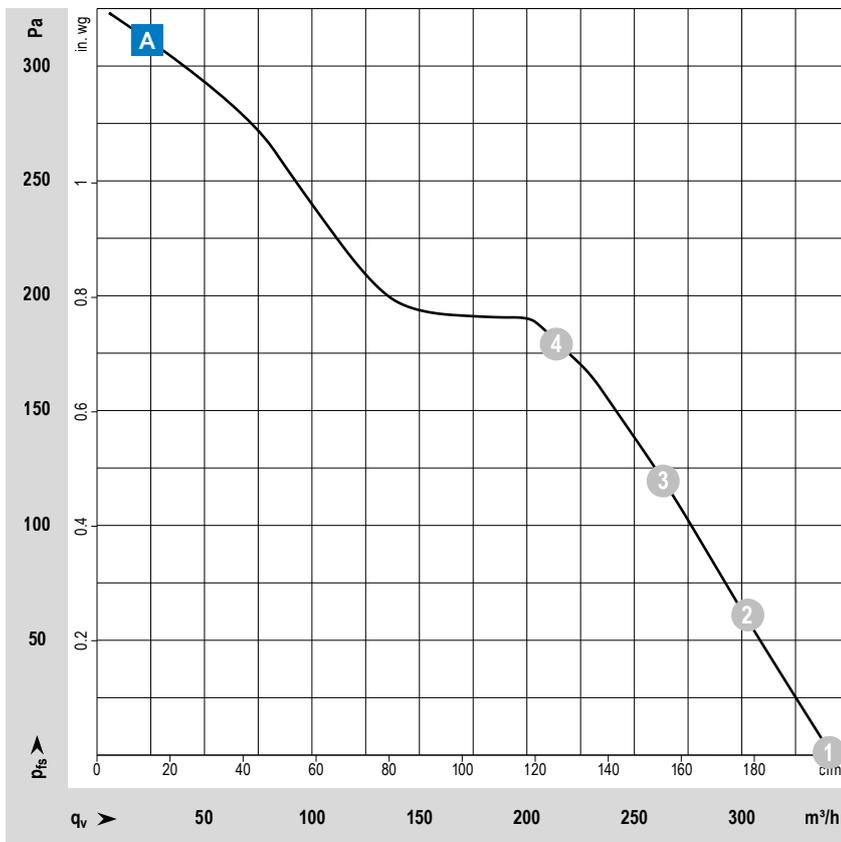
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T3

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

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Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

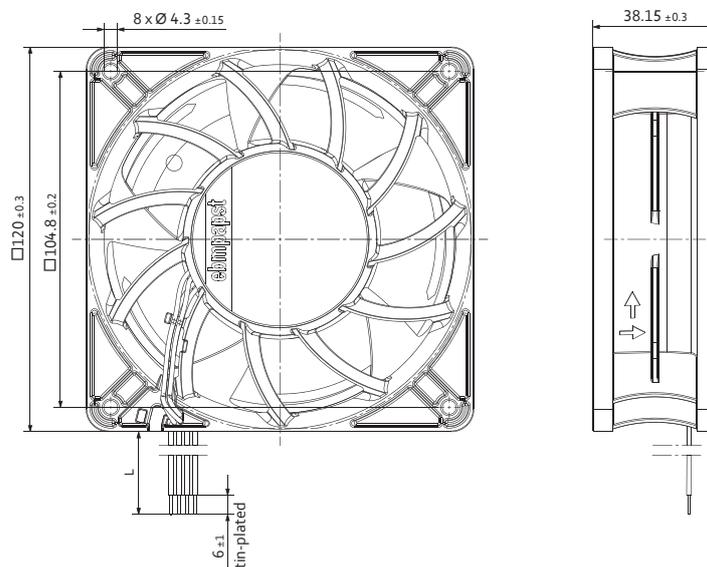
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWC0120KUJBS AxiForce 120	8315100143	12	10.8...13.2	A	①	341	201	6 500	29.9	7.2	59	-20...+70	45 000	75 000
					②	305	180	6 280	31.0	7.0				
					③	262	154	6 070	31.5	7.1				
					④	212	125	5 930	31.5	7.1				
VWC0120KUJBS AxiForce 120	8315100142	24	16...30	A	①	337	198	6 500	28.3	7.2	59	-20...+70	45 000	75 000
					②	303	178	6 280	29.1	7.0				
					③	263	155	6 100	29.9	7.1				
					④	212	125	6 000	30.4	7.1				
VWC0120KUJBS AxiForce 120	8315100144	48	36...60	A	①	342	201	6 500	28.6	7.2	59	-20...+70	45 000	75 000
					②	302	178	6 280	29.5	7.0				
					③	263	155	6 100	30.2	7.1				
					④	213	125	6 000	30.9	7.1				

Subject to changes.

Technical drawing

Dimensions in mm



VUCF119Y...

DC axial fan · max. 237 m³/h · □ 119 x 38 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: intake over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings and sleeve bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: On flat connectors, 2,8 x 0,5 mm also available with wires as an option
- Electrical protection class: III
- Weight: 390 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

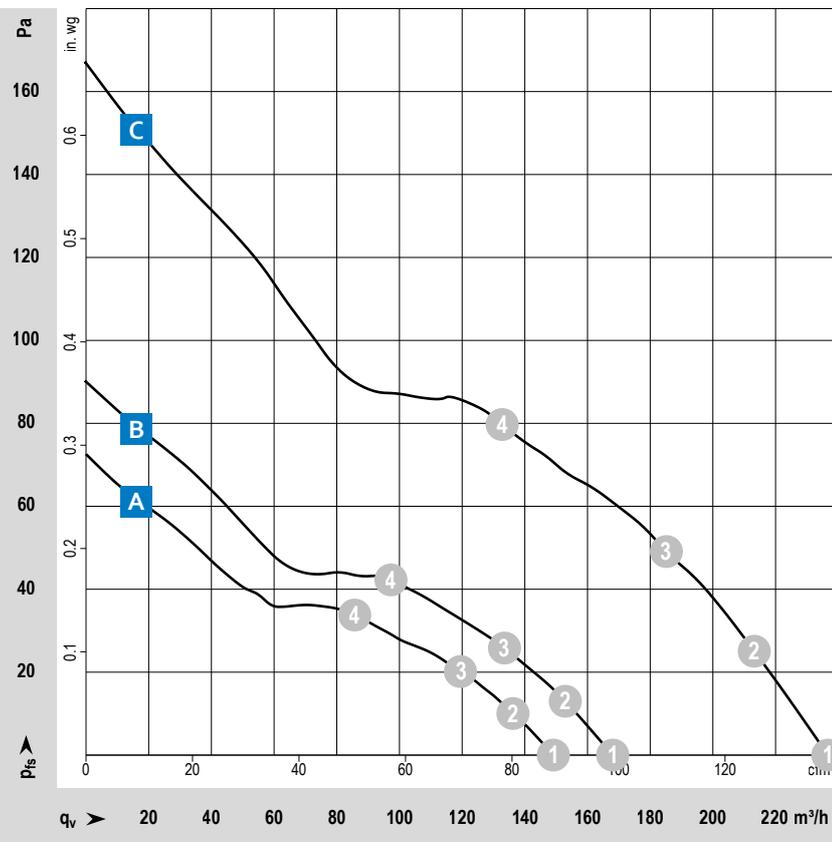
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

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Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

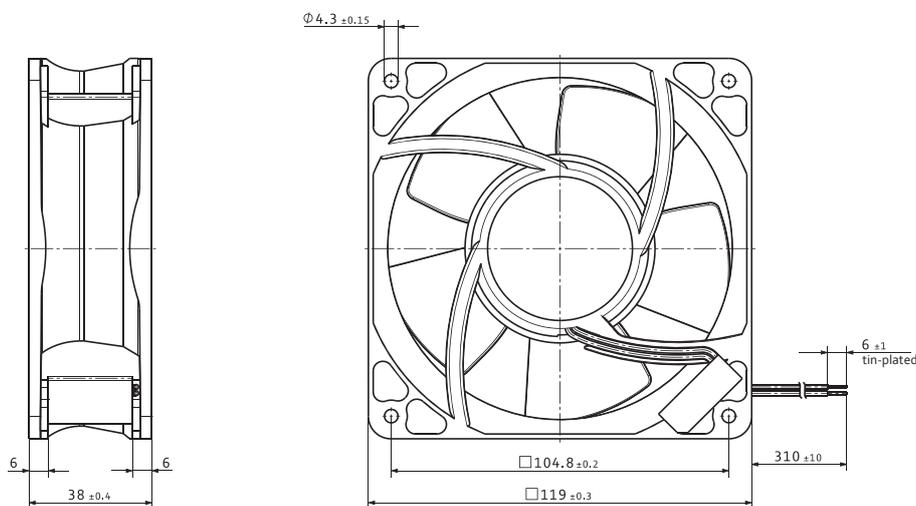
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VUCF119YHJKS 4182 NGX	9294310105	12	6...15	A	①	149	88	2 800	3.4	5.6	44	-20...+75	85 000	142 500
					②	135	79	2 740	3.6	5.5				
					③	116	68	2 680	3.7	5.4				
					④	84	49	2 600	3.9	5.3				
VUCF119YHJLS 4182 NX	9294310107	12	6...15	B	①	168	99	3 200	4.9	6.0	49	-30...+75	85 000	142 500
					②	153	90	3 170	5.1	5.9				
					③	134	79	3 100	5.3	5.7				
					④	97	57	3 030	5.6	5.6				
VUCF119YHJMS 4182 NXH	9294310188	12	7...14	C	①	237	139	4 400	9.9	6.8	57	-30...+55	70 000	117 500
					②	213	125	4 290	10.4	6.7				
					③	185	109	4 190	11.0	6.5				
					④	133	78	4 070	11.7	6.4				
VUCF119YJKS 4184 NGX	9294310104	24	12...31.5	A	①	149	88	2 800	3.1	5.6	44	-20...+75	85 000	142 500
					②	136	80	2 760	3.2	5.5				
					③	119	70	2 700	3.4	5.4				
					④	86	51	2 640	3.6	5.3				
VUCF119YJKS 4184 NXM	9294310248	24	12...31.5	A	①	149	88	2 800	3.1	5.6	44	-30...+75	85 000	142 500
					②	136	80	2 760	3.3	5.5				
					③	119	70	2 720	3.5	5.4				
					④	86	51	2 660	3.7	5.3				
VUCF119YJLS 4184 NX	9294310103	24	12...31.5	B	①	169	99	3 200	4.4	6.0	49	-30...+70	85 000	142 500
					②	153	90	3 120	4.6	5.9				
					③	133	78	3 050	4.9	5.7				
					④	96	57	2 970	5.1	5.6				
VUCF119YJMS 4184 NXH	9294310138	24	12...28	C	①	226	133	4 400	9.6	6.8	57	-30...+70	70 000	117 500
					②	205	121	4 280	10.2	6.7				
					③	179	105	4 160	10.9	6.5				
					④	131	77	4 000	11.8	6.4				
VUCF119YKJKS 4188 NGX	9294310178	48	36...60	A	①	148	87	2 800	3.0	5.6	44	-20...+75	85 000	142 500
					②	135	79	2 750	3.2	5.5				
					③	118	69	2 690	3.4	5.4				
					④	85	50	2 630	3.6	5.3				
VUCF119YKJKS 4188 NXM	9294310106	48	36...60	A	①	147	87	2 800	3.5	5.6	44	-30...+75	85 000	142 500
					②	134	79	2 750	3.6	5.5				
					③	118	69	2 700	3.8	5.4				
					④	86	51	2 640	4.1	5.3				

Subject to changes. More fan types can be found on the next page.

Technical drawing

Dimensions in mm



VUCF119Y...

DC axial fan · max. 439 m³/h · □ 119 x 38 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: intake over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 390 g

Approvals

- Approvals: DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

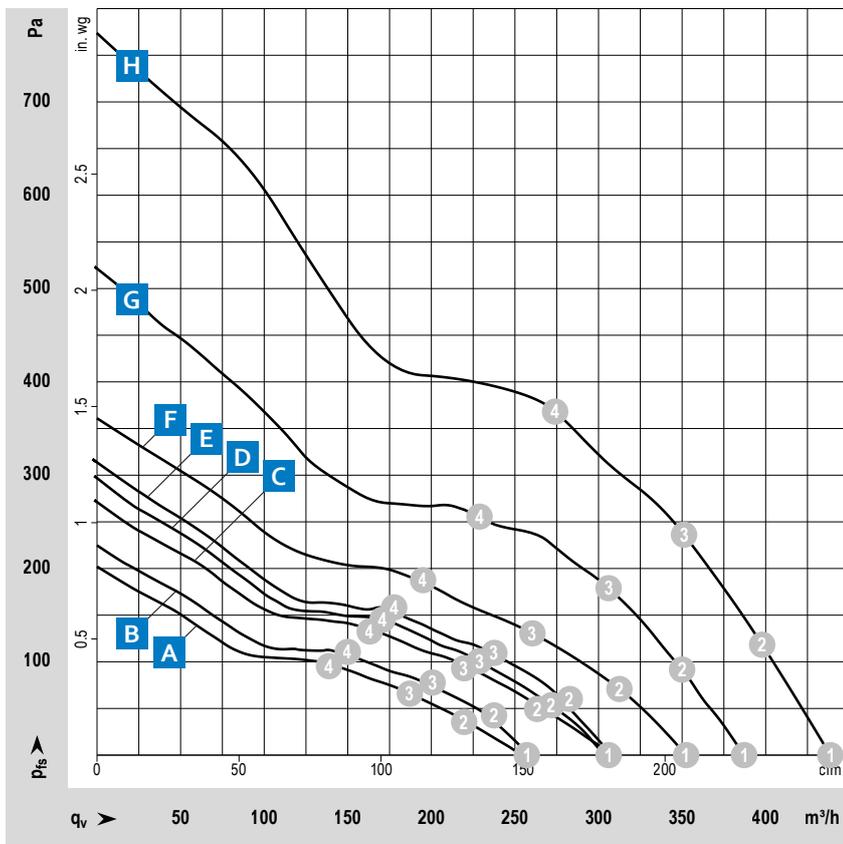
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

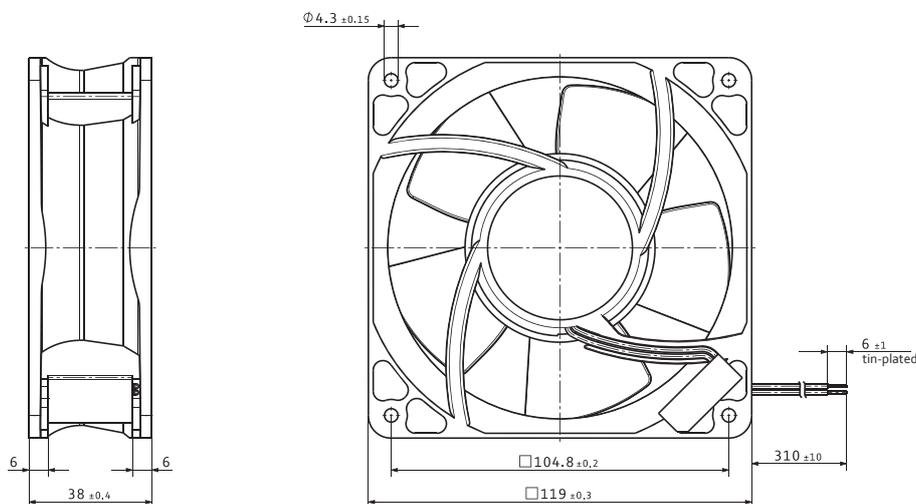
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VUCF119YHJNS 4112 NHH	9694300225	12	9...15	B	①	259	152	5 000	11.7	7.1	60	-20...+65	70 000	117 500
					②	233	137	5 000	13.6	7.2				
					③	200	118	4 930	14.9	6.9				
					④	150	88	4 780	15.2	6.7				
VUCF119YHJNS 4112 NH3	9694300233	12	9...15	E	①	308	181	6 000	18.9	7.5	65	-20...+65	65 000	110 000
					②	279	164	6 000	22.6	7.4				
					③	238	140	5 840	24.6	7.2				
					④	177	104	5 650	25.1	7.2				
VUCF119YHJPS 4112 NH4	9694300260	v	9...14	F	①	352	207	6 800	29.6	7.9	67	-20...+65	62 500	105 000
					②	313	184	6 680	33.7	7.8				
					③	261	154	6 400	34.0	7.5				
					④	195	115	6 160	34.2	7.3				
VUCF119YHJNS 4114 NHH	9694300224	24	12...30	B	①	259	152	5 000	11.4	7.1	60	-20...+65	70 000	117 500
					②	235	138	5 000	13.6	7.0				
					③	199	117	4 860	14.3	6.9				
					④	149	88	4 700	14.6	6.7				
VUCF119YJNS 4114 NH3	9694300234	24	16...30	D	①	303	178	6 000	18.7	7.5	65	-20...+65	65 000	110 000
					②	272	160	5 930	20.8	7.4				
					③	229	135	5 700	21.1	7.2				
					④	172	101	5 530	21.4	7.2				
VUCF119YJPS 4114 NH4	9694300257	24	16...30	F	①	348	205	6 800	31.3	7.9	67	-20...+65	62 500	105 000
					②	309	182	6 760	37.2	7.8				
					③	260	153	6 460	38.5	7.5				
					④	195	115	6 280	39.2	7.3				
VUCF119YJPS 4114 NH5 S-Force	9694300262	24	16...30	G	①	387	228	7 500	42.8	8.1	70	-20...+65	62 500	105 000
					②	351	207	7 490	48.1	8.1				
					③	306	180	7 490	52.3	7.9				
					④	229	135	7 280	50.5	7.8				
VUCF119YJQS 4114 NH6 S-Force	9694300256	24	16...30	H	①	439	258	8 400	69.9	8.6	73	-20...+65	60 000	102 500
					②	399	235	8 380	78.7	8.5				
					③	351	207	8 380	88.0	8.3				
					④	274	161	8 380	96.0	8.3				
VUCF119YKJNS 4118 NHH	9694300226	48	36...60	A	①	254	149	5 000	10.9	7.1	60	-20...+65	70 000	117 500
					②	222	131	4 800	11.4	7.0				
					③	187	110	4 630	11.6	6.8				
					④	141	83	4 480	11.8	6.6				
VUCF119YKJNS 4118 NH3	9694300235	48	36...60	C	①	309	182	6 000	19.1	7.5	65	-20...+65	65 000	110 000
					②	266	157	5 690	19.0	7.4				
					③	222	131	5 440	19.0	7.1				
					④	166	98	5 250	19.0	6.9				

Subject to changes. More fan types can be found on the next page.

Technical drawing

Dimensions in mm



VUCF119Y...

DC axial fan · max. 530 m³/h · □ 119 x 38 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: intake over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 18, 20 or AWG 22; speed signal and control input AWG 22
- Electrical protection class: III
- Weight: 425 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

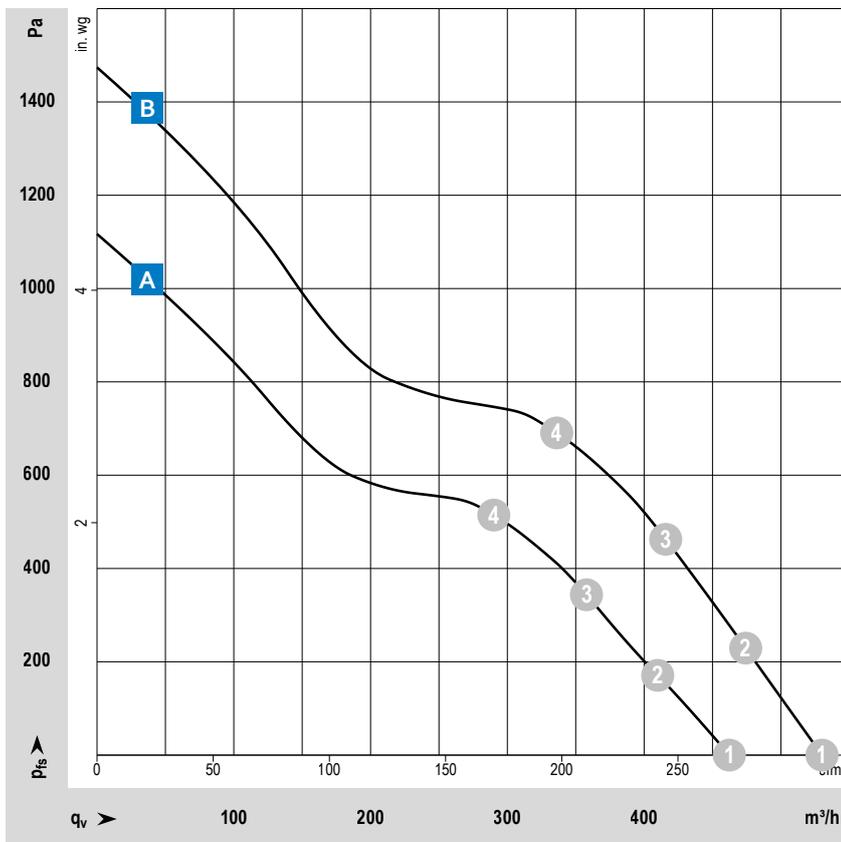
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Moisture protection

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

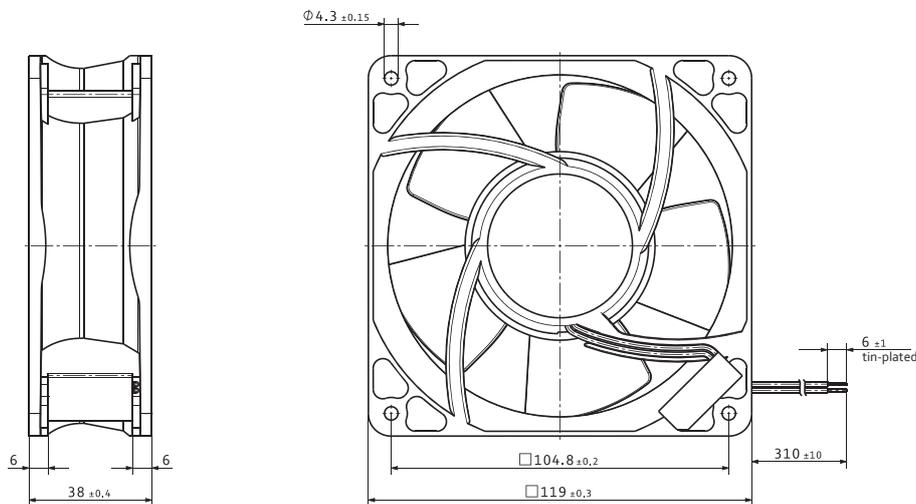
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)		°C	Hours
VUCF119YJQS 4154 N/2 H7P	9694314033	24	16...30	A	①	460	271	9 500	79.0	9.0	74	-20...+75	57 500	97 500
					②	410	241	9 500	91.6	8.9				
					③	359	211	9 490	109.2	8.9				
					④	288	170	9 470	118.6	8.7				
VUCF119YJRS 4154 N/2 H8P	9694314031	24	16...30	B	①	530	312	11 000	122.6	9.2	81	-20...+75	55 000	92 500
					②	474	279	11 040	145.1	9.2				
					③	416	245	11 050	175.9	9.2				
					④	336	198	11 050	194.3	9.0				
VUCF119YKJQZ 4158 N/2 H7P	9694314034	48	36...60	A	①	462	272	9 500	79.5	9.0	74	-20...+75	57 500	97 500
					②	410	241	9 500	92.4	8.9				
					③	358	211	9 500	111.9	8.9				
					④	290	171	9 500	122.1	8.7				
VUCF119YKJRS 4158 N/2 H8P	9694314028	48	36...72	B	①	529	311	11 000	123.1	9.2	80	-20...+75	55 000	92 500
					②	472	278	11 000	142.4	9.2				
					③	410	241	10 900	164.5	9.2				
					④	328	193	10 800	175.7	9.0				

Subject to changes.

The specific service life is valid when an external capacitor is wired by the customer. See information on wiring in the corresponding product data sheet.

Technical drawing

Dimensions in mm



VKCF119A...

DC diagonal fan · max. 276 m³/h · □ 119 x 38 mm



Material/Surface

- Housing: Plastic; optional Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; diagonal design, compact and powerful; noise and efficiency optimized diagonal fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 375 g (with metal housing: 455 g)

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

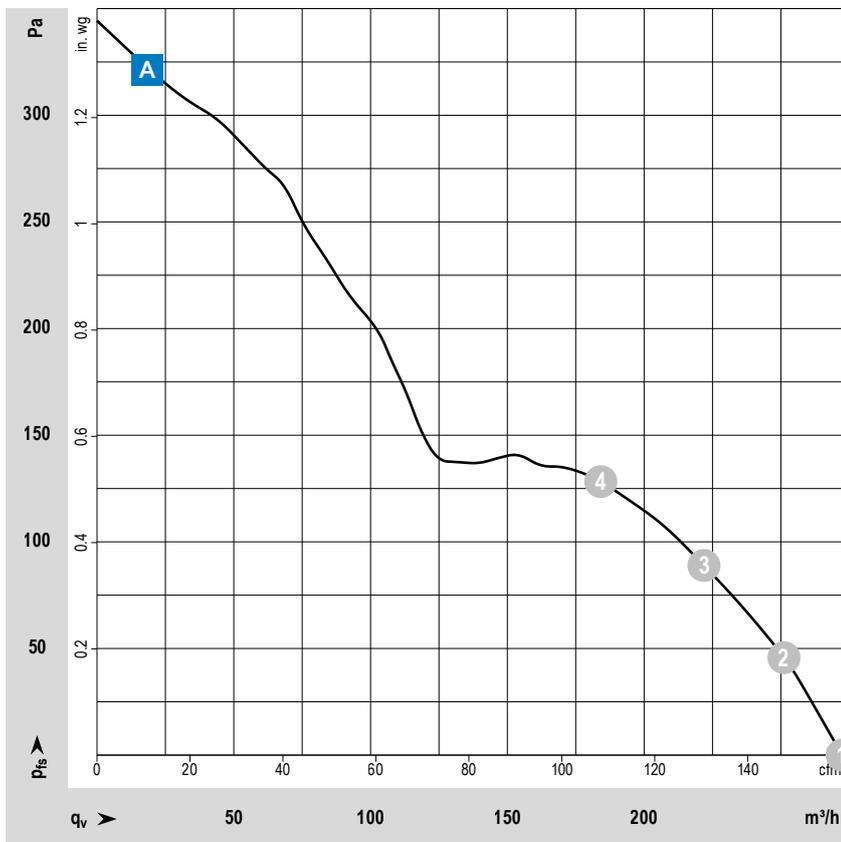
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

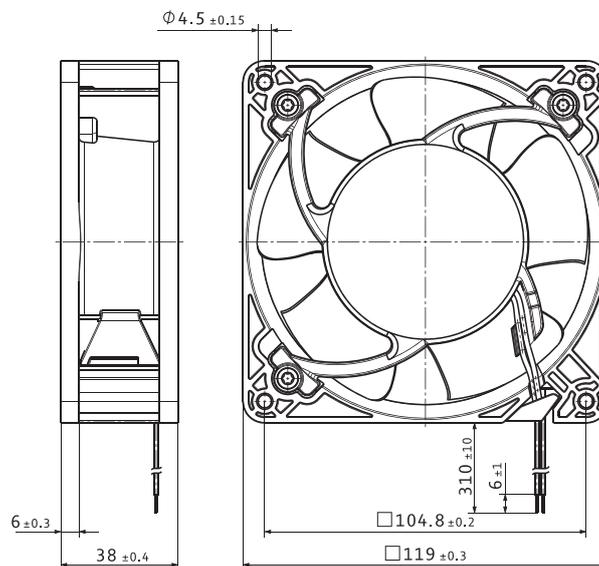
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)		°C	Hours
VKCF119AHJNS DV 4112 N	9694330031	12	9...15	A	①	273	161	6 000	20.8	7.4	61	-20...+65	70 000	117 500
					②	251	148	6 020	23.2	7.3				
					③	225	132	5 940	24.3	7.2				
					④	189	111	5 870	24.5	7.1				
VKCF119AJJNS DV 4114 N	9694330091	24	16...30	A	①	272	160	6 000	19.6	7.4	61	-20...+65	70 000	117 500
					②	252	148	6 010	21.5	7.3				
					③	222	131	5 860	21.7	7.2				
					④	184	108	5 800	21.8	7.1				
VKCF119AKJNS DV 4118 N	9694330151	48	36...60	A	①	276	162	6 000	20.1	7.4	61	-20...+65	70 000	117 500
					②	247	145	5 870	20.4	7.4				
					③	218	128	5 720	20.4	7.1				
					④	182	107	5 630	20.5	7.0				

Subject to changes.

Technical drawing

Dimensions in mm



VKCK119DKLSS

DC axial fan · max. 680 m³/h · □ 119 × 86 mm



Material/Surface

- Housing: Combined (metal flange, plastic inlet nozzle)
- Impeller: Plastic

Characteristics

- Version: DC fan available in 48VDC; new single stage principle with highly innovative aerodynamic design; extraordinarily pressure-oriented with outstanding noise values
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: exposed wire
- Electrical protection class: III
- Weight: 980 g

Approvals

- Approvals: VDE (EN62368), UL, CSA, CCC, EAC, CE, UKCA
- EMV (Immunity to interference/ Interference emission): Interference emission acc. to EN55032
Immunity to interference acc. to EN61000-4

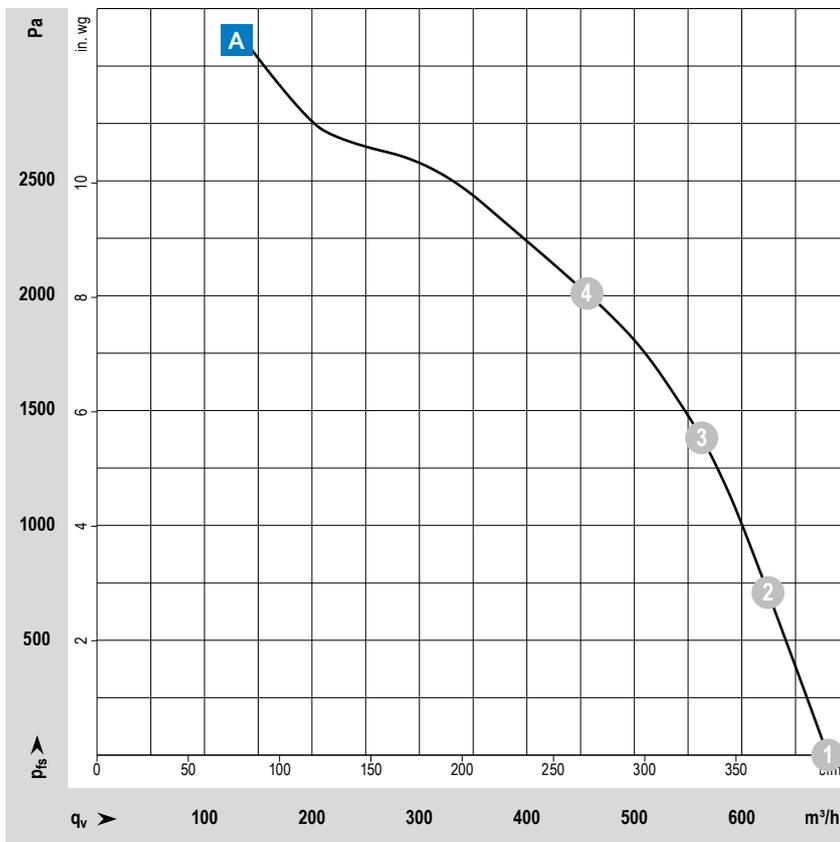
Options

- Output signals: Tacho /2; Alarme (Go/NoGo + Trip Speed)
- Input signals: Multi-options input; I + T
- Extended protection against environmental conditions: Parylene
- Predictive Maintenance (FanCheck)
- Housing with grounding lug for screw M4 x 8 (Torx)

Special features

- Ready for Restart (R4R) enables safe startup with external drive

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

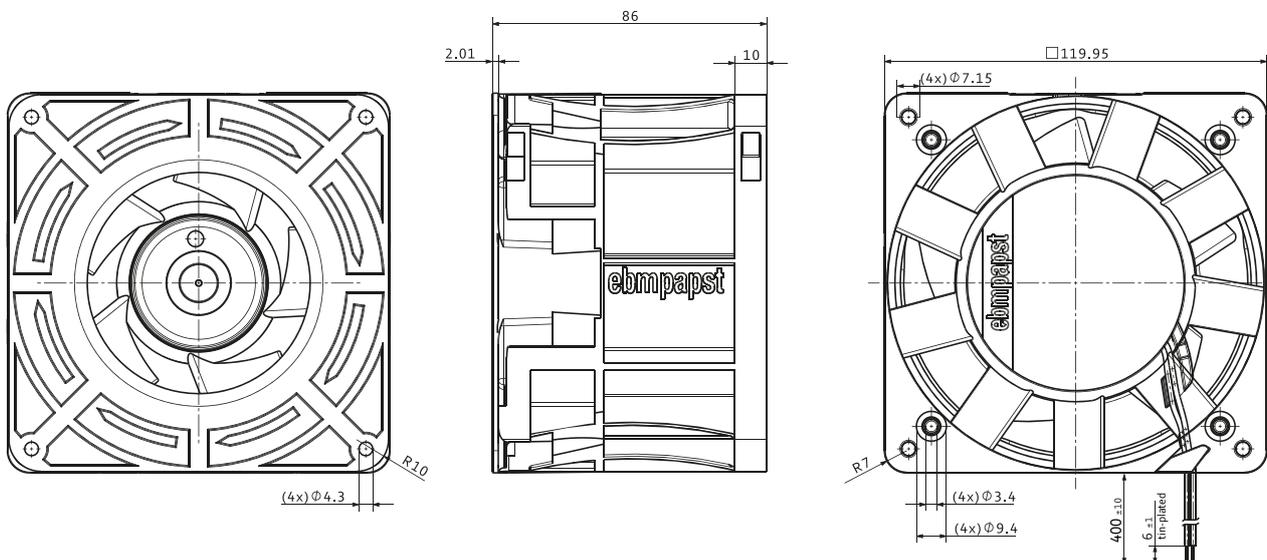
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
For detailed information see <http://www.ebmpapst.com/general-conditions>

Typ	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s. p. 11
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VKCK119DKLSS DiaForce 120	8315100198	48	36...60	A	① ② ③ ④	680	400	17 250	407.3	9.8	83.5	-25...+70	40 000	70 000
						625	368	17 250	463.5	9.5				
						563	331	17 150	500.0	9.2				
						456	268	16 900	500.0	9.1				

Subject to changes.

Technical drawing

Dimensions in mm



VWCF127Y...

DC axial fan · max. 337 m³/h · □ 127 x 38 mm



Material/Surface

- Housing: Plastic
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 310 g

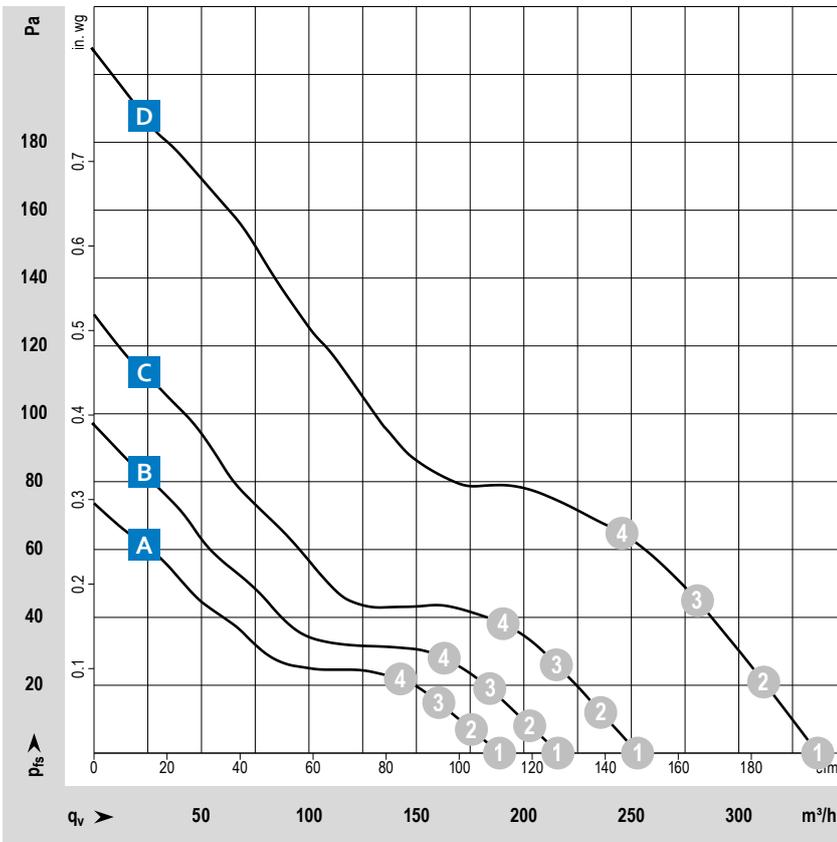
Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

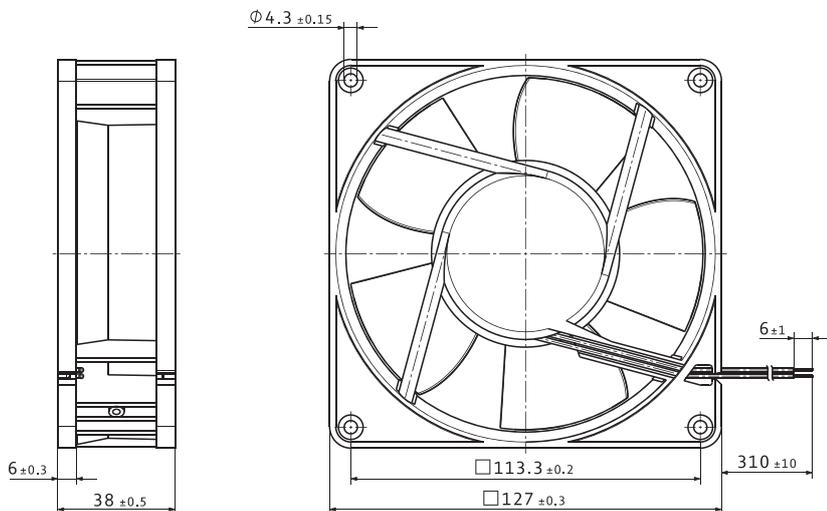
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ PC (40 °C) s.p. 11
		VDC	VDC			m ³ /h	cfm	rpm						
VWCF127YHJMS 5212 NN	9294310601	12	7...14	B	①	218	128	3 150	5.7	5.8	46	-20...+70	57 500	97 500
					②	205	121	3 110	5.9	5.7				
					③	185	109	3 050	6.2	5.6				
					④	165	97	3 000	6.3	5.6				
VWCF127YHJMS 5212 NH	9294310607	12	7...14	C	①	251	148	3 650	7.9	6.2	51	-20...+70	45 000	75 000
					②	235	138	3 590	8.2	6.1				
					③	213	125	3 520	8.5	6.0				
					④	189	111	3 460	8.8	6.0				
VWCF127YHJPS 5212 NHH	9694320202	12	9...15	D	①	336	198	4 900	18.1	6.8	58	-20...+65	45 000	75 000
					②	319	188	4 880	19.4	6.8				
					③	290	171	4 800	20.4	6.7				
					④	254	149	4 700	20.6	6.6				
VWCF127YJLS 5214 NM	9294310605	24	12...28	A	①	185	109	2 750	4.0	5.5	43	-20...+75	62 500	105 000
					②	173	102	2 710	4.2	5.4				
					③	158	93	2 670	4.3	5.3				
					④	140	82	2 630	4.4	5.3				
VWCF127YJMS 5214 NN	9294310602	24	12...28	B	①	217	128	3 150	5.3	5.8	46	-20...+75	57 500	97 500
					②	203	119	3 100	5.5	5.7				
					③	184	108	3 050	5.7	5.6				
					④	163	96	3 000	5.9	5.6				
VWCF127YJMS 5214 NH	9294310608	24	12...28	C	①	253	149	3 650	8.0	6.2	51	-20...+70	45 000	75 000
					②	236	139	3 590	8.3	6.1				
					③	215	127	3 520	8.6	6.0				
					④	190	112	3 470	8.9	6.0				
VWCF127YJPS 5214 NHH	9694320201	24	16...30	D	①	337	198	4 900	17.4	6.8	58	-20...+65	45 000	75 000
					②	312	184	4 780	17.5	6.8				
					③	281	165	4 650	17.6	6.7				
					④	246	145	4 560	17.8	6.6				
VWCF127YKJLS 5218 NM	9294310611	48	36...56	A	①	189	111	2 750	4.2	5.5	43	-20...+75	62 500	105 000
					②	176	104	2 710	4.3	5.4				
					③	161	95	2 670	4.5	5.3				
					④	143	84	2 620	4.6	5.3				
VWCF127YKJMS 5218 NH	9294310609	48	36...56	C	①	251	148	3 650	9.2	6.2	51	-20...+55	45 000	75 000
					②	236	139	3 600	9.8	6.1				
					③	214	126	3 550	10.8	6.0				
					④	189	111	3 490	11.5	6.0				
VWCF127YKJMS 5218 NHH	9694320203	48	36...60	D	①	335	197	4 900	17.1	6.8	58	-20...+65	45 000	75 000
					②	311	183	4 790	17.2	6.8				
					③	279	164	4 660	17.3	6.7				
					④	246	145	4 570	17.4	6.6				

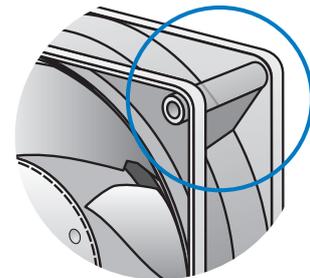
Subject to changes.

Technical drawing

Dimensions in mm



* NHH fan types: fan housing with molded-in spacers.



VKCF127A...

DC diagonal fan · max. 327 m³/h · □ 127 x 38 mm



Material/Surface

- Housing: Plastic; optional metal + metal flange
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; diagonal design; compact and powerful; noise and efficiency optimized diagonal fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 415 g (with metal housing: 490 g)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com

Approvals

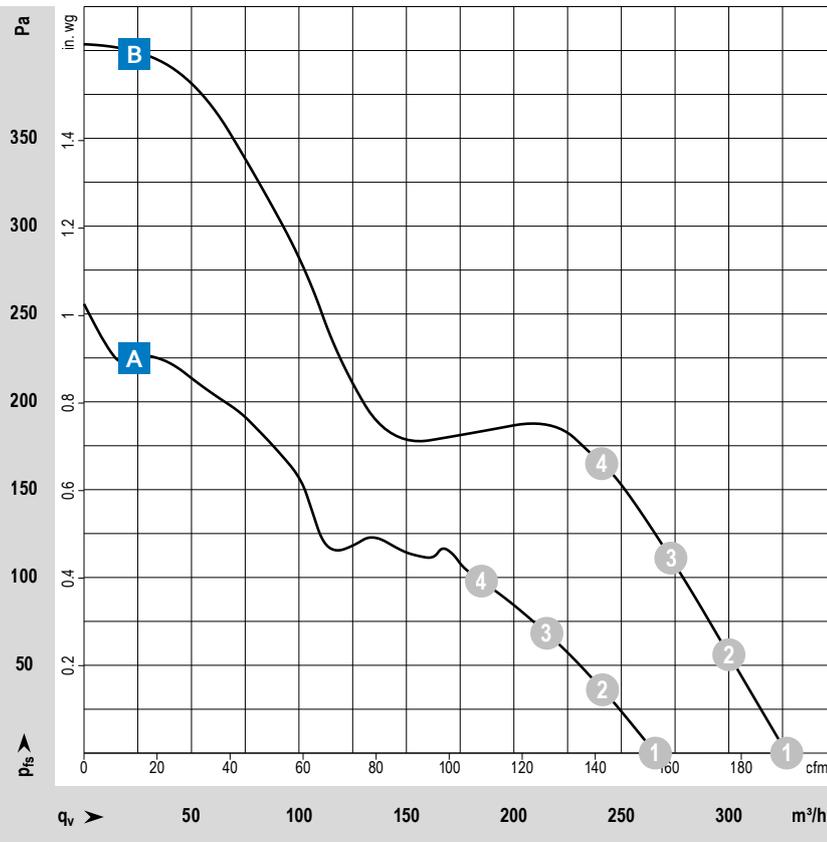
- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)



Measuring conditions

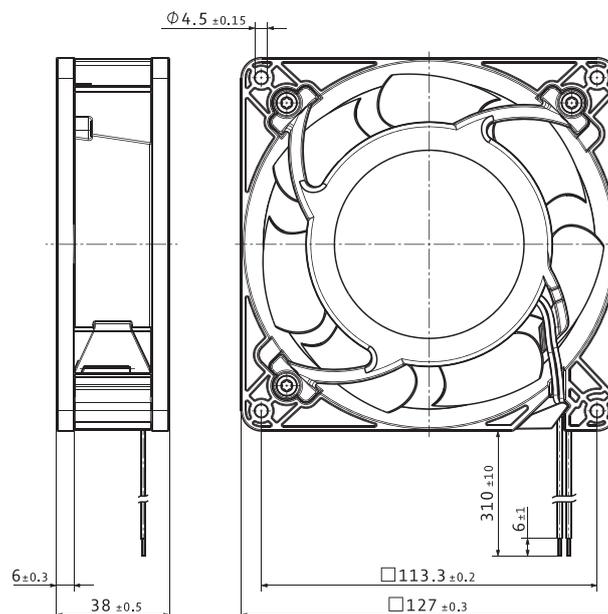
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VKCF127AHJNS DV 5212 N	9694340031	12	9...15	A	①	266	157	5 000	19.4	6.9	56	-20...+65	70 000	117 500
					②	241	142	4 860	19.7	6.9				
					③	215	127	4 740	19.9	6.8				
					④	185	109	4 680	20.1	6.7				
VKCF127AJJNS DV 5214 N	9694340091	24	16...30	A	①	265	156	5 000	18.1	6.9	56	-20...+65	70 000	117 500
					②	247	145	4 990	20.2	6.9				
					③	219	129	4 890	20.4	6.8				
					④	188	111	4 840	20.5	6.7				
VKCF127AKJNS DV 5218 N	9694340151	48	36...60	A	①	266	157	5 000	18.5	6.9	56	-20...+65	70 000	117 500
					②	238	140	4 870	18.6	6.9				
					③	213	125	4 770	18.7	6.8				
					④	184	108	4 710	18.7	6.7				
Fan type with speed signal and PWM control input as standard. Other versions on request														
VKCF127AJJNS DV 5214/2 HP	9694340219	24	16...30	B	①	327	192	6 000	34.2	7.4	62	-20...+65	62 500	105 000
					②	300	177	6 000	38.6	7.3				
					③	273	161	6 000	43.1	7.3				
					④	241	142	6 000	45.8	7.2				

Subject to changes.

Technical drawing

Dimensions in mm



VWCF135Y...

DC axial fan · max. 258 m³/h · □ 135 x 38 mm



Material/Surface

- Housing: Metal
- Impeller: Metal

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 650 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

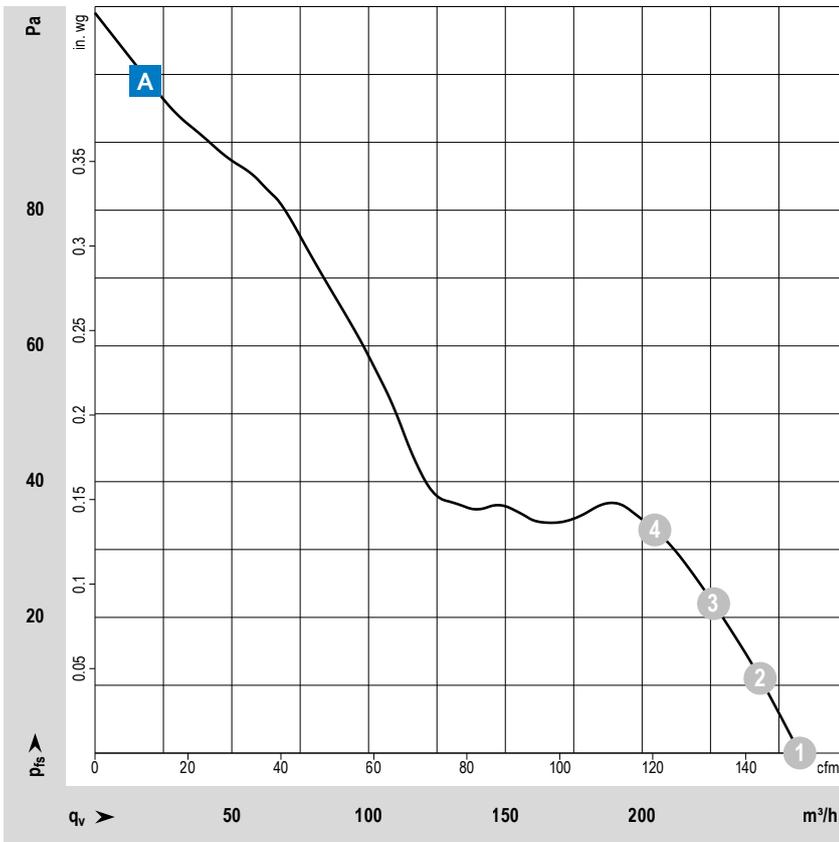
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)
- 48 V version incl. screws

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

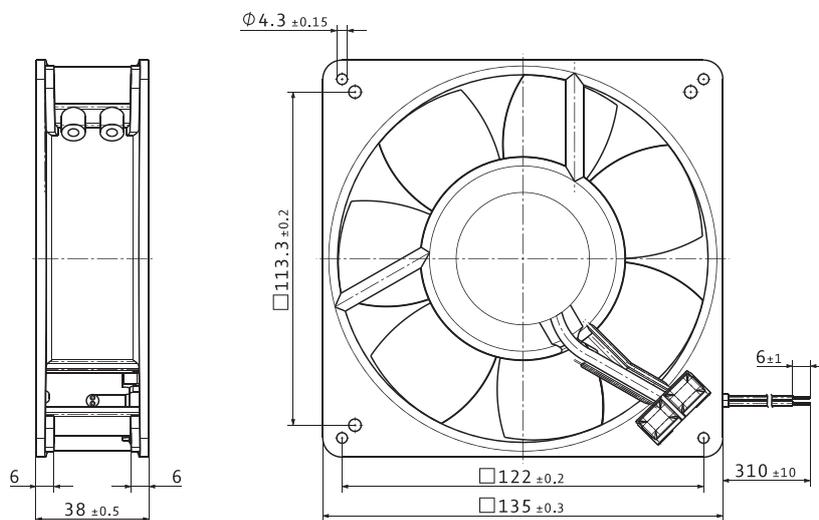
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCF135YHLNS 5112 N	9295410020	12	6...15	A	①	254	149	2900	9.1	6.2	48	-25...+72	80 000	135 000
					②	239	141	2870	9.4	6.1				
					③	222	131	2850	9.6	6.1				
					④	201	118	2840	9.7	6.1				
VWCF135YJLNS 5114 N	9295410021	24	12...30	A	①	255	150	2900	9.3	6.2	48	-25...+75	80 000	135 000
					②	241	142	2880	9.5	6.1				
					③	224	132	2860	9.7	6.1				
					④	203	119	2850	9.8	6.1				
VWCF135YKLNS 5118 N	9295410061	48	24...60	A	①	258	152	2900	9.4	6.2	48	-25...+75	80 000	135 000
					②	243	143	2880	9.6	6.1				
					③	226	133	2870	9.8	6.1				
					④	205	121	2860	10.0	6.1				

Subject to changes.

Technical drawing

Dimensions in mm



VUCG140A...

DC axial fan · max. 338 m³/h · □ 140 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: intake over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 900 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

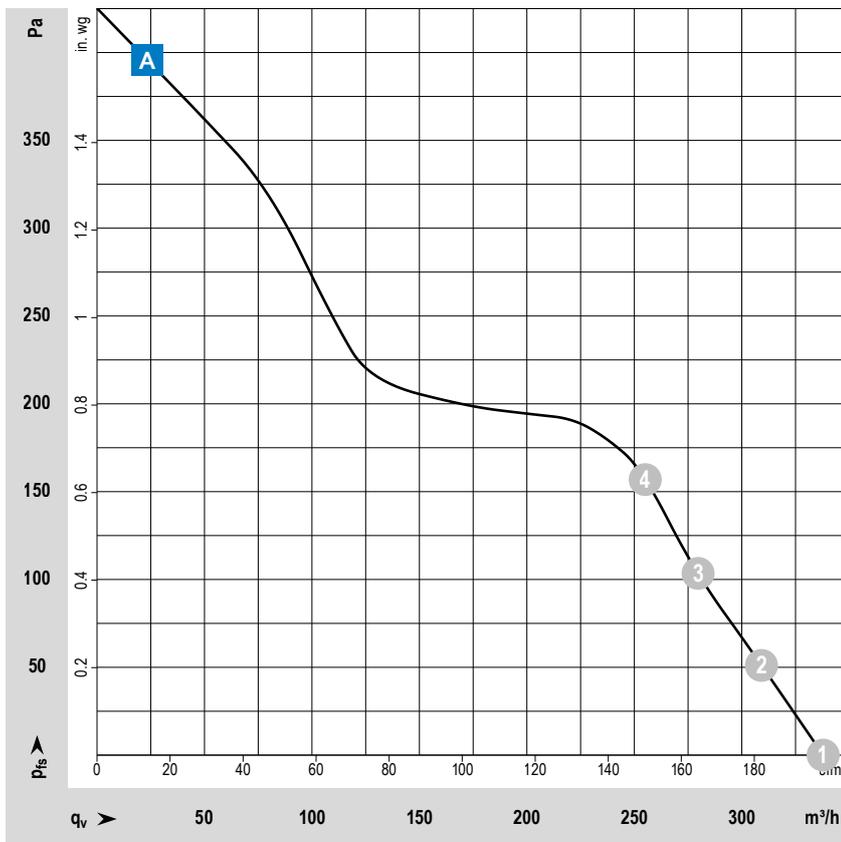
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

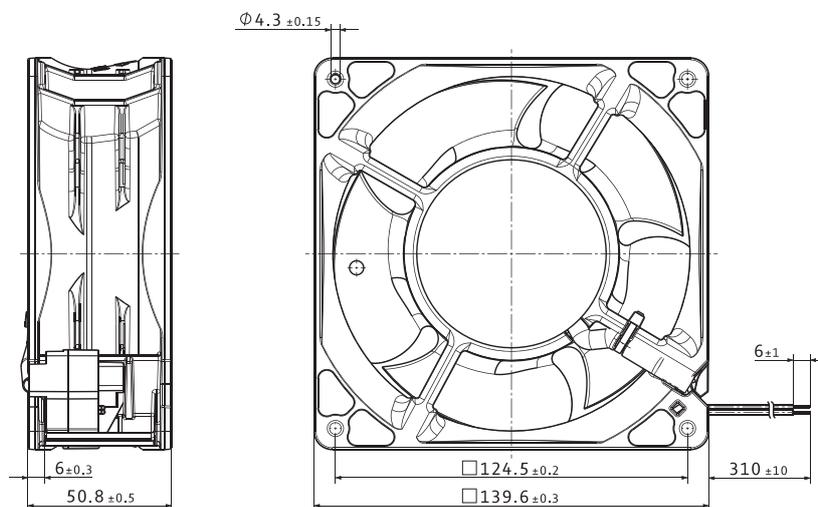
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VUCG140AJLPS 5314/2 HP	9695490181	24	16...28	A	①	338	199	5 000	27.3	7.7	64	-20...+65	77 500	130 000
					②	309	182	5 000	30.7	7.7				
					③	279	164	5 000	32.9	7.7				
					④	256	151	5 000	34.8	7.6				
VUCG140AKLPS 5318/2 HP	9695490182	48	36...72	A	①	332	195	5 000	28.1	7.7	64	-20...+65	77 500	130 000
					②	308	181	5 000	31.7	7.7				
					③	278	164	5 000	34.3	7.7				
					④	256	151	5 000	36.1	7.6				

Subject to changes.

Technical drawing

Dimensions in mm



VUCG140A...

DC axial fan · max. 636 m³/h · □ 140 × 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: intake over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 20 and AWG 22
- Electrical protection class: III
- Weight: 900 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

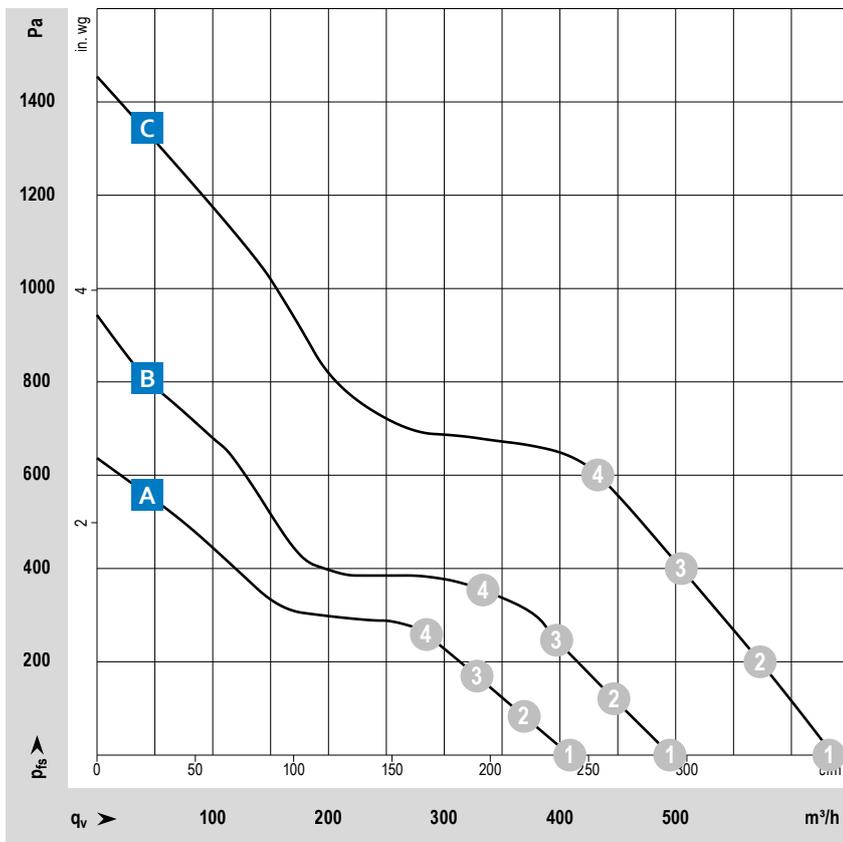
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

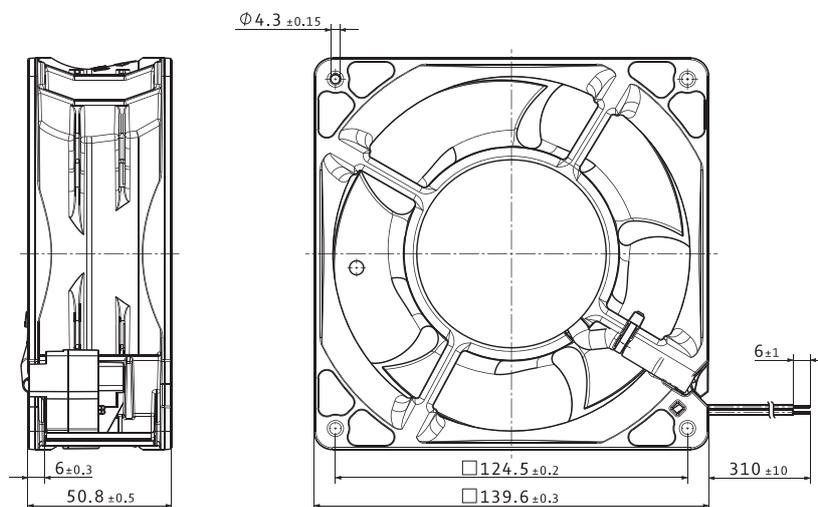
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_r level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ FC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VUCG140AHLOS 5312/2 TDHP	9295420501	12	8...16	A	①	406	239	6 000	44.7	8.4	70	-20...+70	70 000	117 500
					②	367	216	6 000	51.7	8.3				
					③	327	192	6 000	55.5	8.3				
					④	285	168	6 000	59.9	8.1				
VUCG140AJLOS 5314/2 TDHP	9295420502	24	16...36	A	①	409	241	6 000	43.9	8.4	70	-20...+70	70 000	117 500
					②	369	217	6 000	50.3	8.3				
					③	328	193	6 000	54.0	8.3				
					④	285	168	6 000	59.4	8.1				
VUCG140AJLOS 5314/2 TDHHP	9295420504	24	16...36	B	①	495	291	7 000	66.4	8.5	75	-20...+70	62 500	105 000
					②	447	263	7 000	77.5	8.5				
					③	397	234	7 000	86.3	8.5				
					④	334	197	7 000	94.6	8.4				
VUCG140AKLOS 5318/2 TDHP	9295420503	48	36...72	A	①	407	240	6 000	43.5	8.4	70	-20...+70	70 000	117 500
					②	370	218	6 000	50.0	8.3				
					③	333	196	6 000	54.7	8.3				
					④	287	169	5 980	58.9	8.1				
VUCG140AKLOS 5318/2 TDHHP	9295420505	48	36...72	B	①	477	281	7 000	65.5	8.5	75	-20...+70	62 500	105 000
					②	437	257	7 000	76.8	8.5				
					③	390	230	7 000	85.0	8.5				
					④	337	198	7 000	92.4	8.4				
VUCG140AKLSS 5318/2 TDH4P	9295420500	48	36...72	C	①	636	374	9 200	158.8	9.4	79	-20...+65	57 500	97 500
					②	573	337	9 200	181.2	9.4				
					③	505	297	9 200	199.0	9.4				
					④	434	255	9 170	215.8	9.3				

Subject to changes.

Technical drawing

Dimensions in mm



VWEF150X...

DC axial fan · max. 357 m³/h · Ø 150 x 38 mm



Material/Surface

- Housing: Metal
- Impeller: Metal

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 620 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

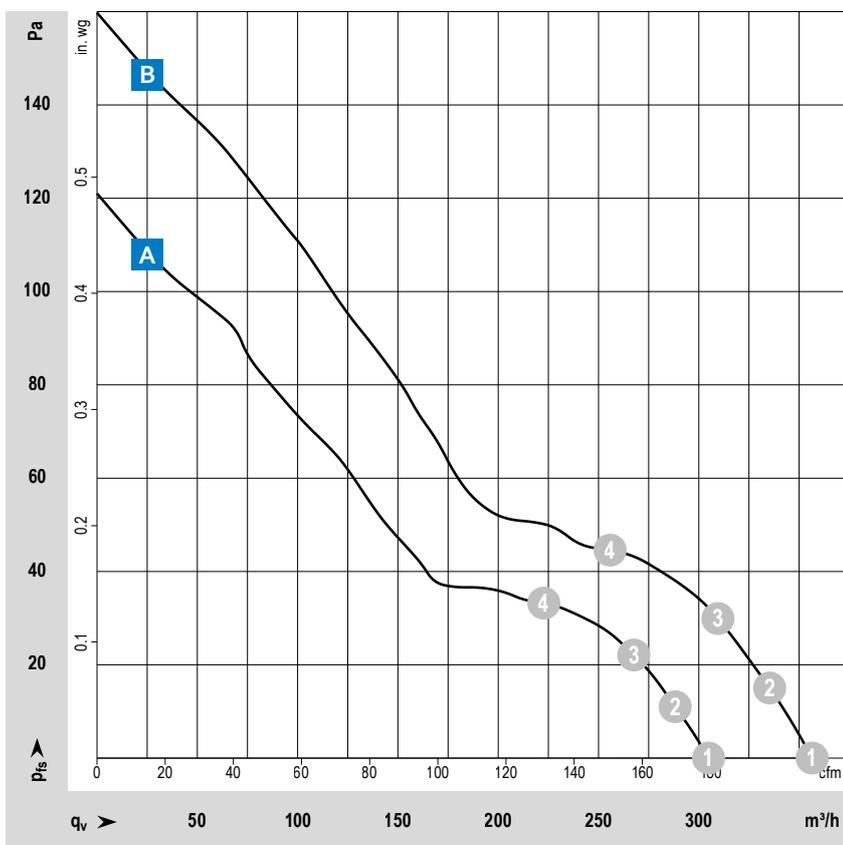
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

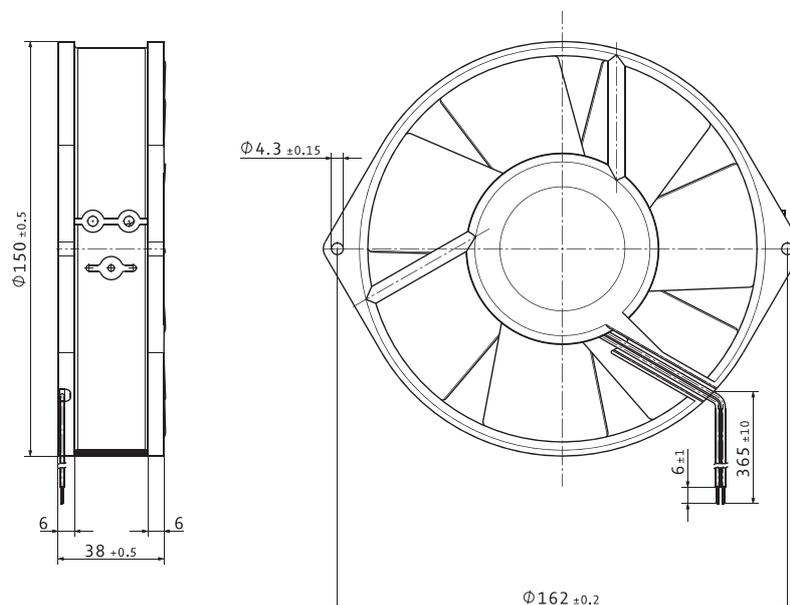
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ IFC (40 °C) s.p. II
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEF150XHLNS 7112 N	9295410120	12	6...15	A	①	305	180	2 850	10.6	6.4	53	-25...+75	80 000	135 000
					②	288	170	2 840	10.9	6.4				
					③	267	157	2 800	11.1	6.3				
					④	222	131	2 800	11.1	6.4				
VWEF150XJLNS 7114 N	9295410121	24	12...30	A	①	306	180	2 850	9.8	6.4	53	-25...+75	80 000	135 000
					②	290	171	2 830	10.1	6.4				
					③	270	159	2 800	10.3	6.3				
					④	223	131	2 800	10.3	6.4				
VWEF150XJLPS 7114 NH	9295410133	24	12...26.5	B	①	357	210	3 350	15.2	6.9	58	-25...+75	75 000	127 500
					②	335	197	3 310	15.5	6.8				
					③	310	182	3 290	15.8	6.8				
					④	257	151	3 290	15.7	6.9				
VWEF150XKLNS 7118 N	9295410160	48	24...60	A	①	298	175	2 850	9.9	6.4	53	-25...+75	80 000	135 000
					②	282	166	2 830	10.1	6.4				
					③	263	155	2 800	10.3	6.3				
					④	221	130	2 800	10.3	6.4				

Subject to changes.

Technical drawing

Dimensions in mm



VWEH150X...

DC axial fan · max. 349 m³/h · Ø 150 x 55 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 725 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

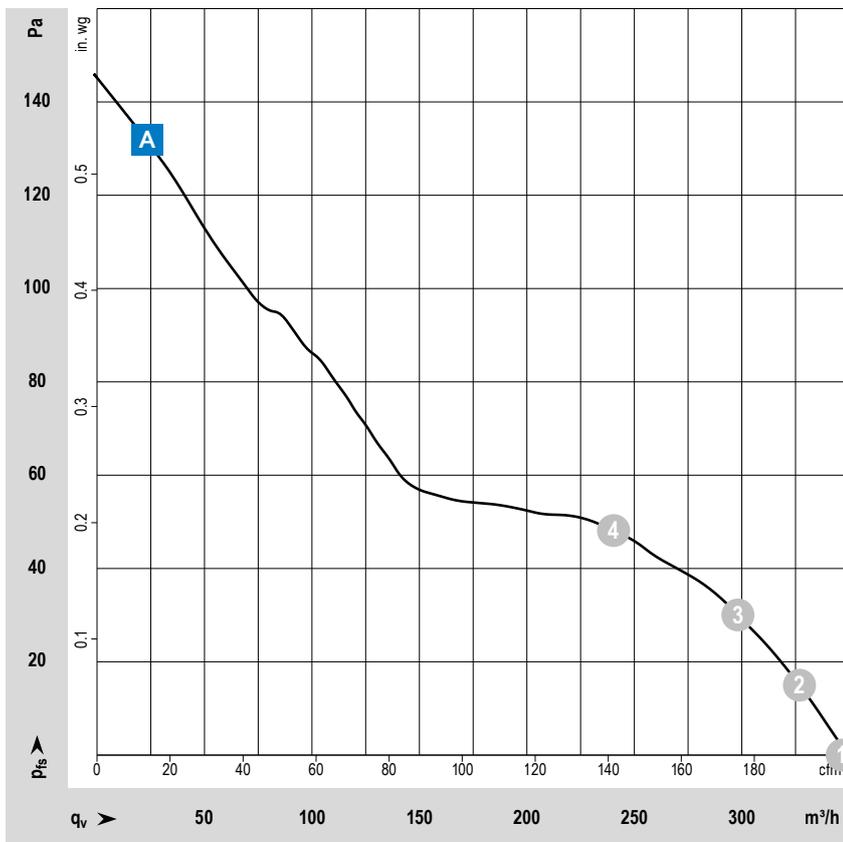
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

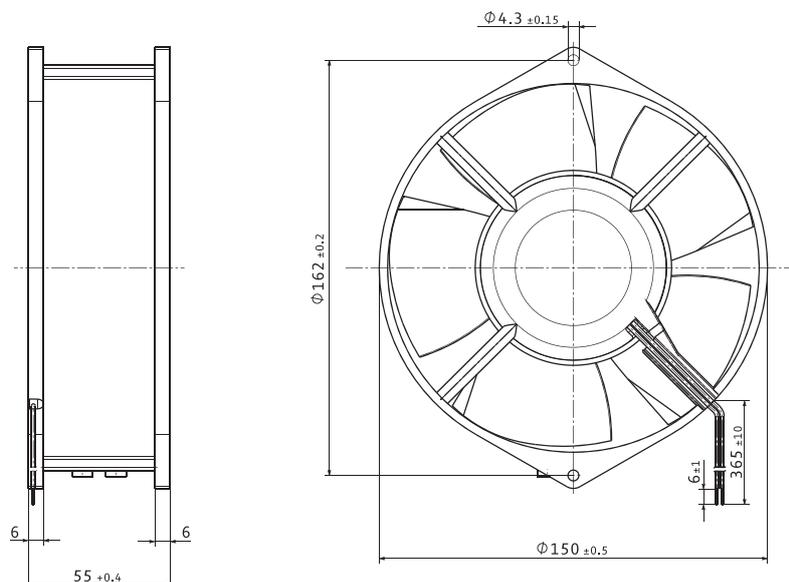
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEH150XHLPS 7212 N	9295414400	12	6...15	A	①	349	205	3050	11.9	6.5	53	-25...+72	80 000	135 000
					②	327	192	3000	12.5	6.4				
					③	298	175	2950	13.1	6.4				
					④	240	141	2900	13.6	6.3				
VWEH150XJLPS 7214 N	9295414401	24	12...30	A	①	347	204	3 050	10.6	6.5	53	-25...+72	80 000	135 000
					②	325	191	3 020	11.2	6.4				
					③	297	175	2 970	11.7	6.4				
					④	240	141	2 920	12.2	6.3				
VWEH150XKLPS 7218 N	9295414402	48	24...60	A	①	346	204	3 050	10.4	6.5	53	-25...+72	80 000	135 000
					②	324	191	3 000	10.9	6.4				
					③	296	174	2 970	11.6	6.4				
					④	241	142	2 930	12.1	6.3				

Subject to changes.

Technical drawing

Dimensions in mm



VWLG150X...

DC axial fan · max. 469 m³/h · 172 x 150 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 12, 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: On flat connectors 3 x 0,5 mm
- Electrical protection class: III
- Weight: 760 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

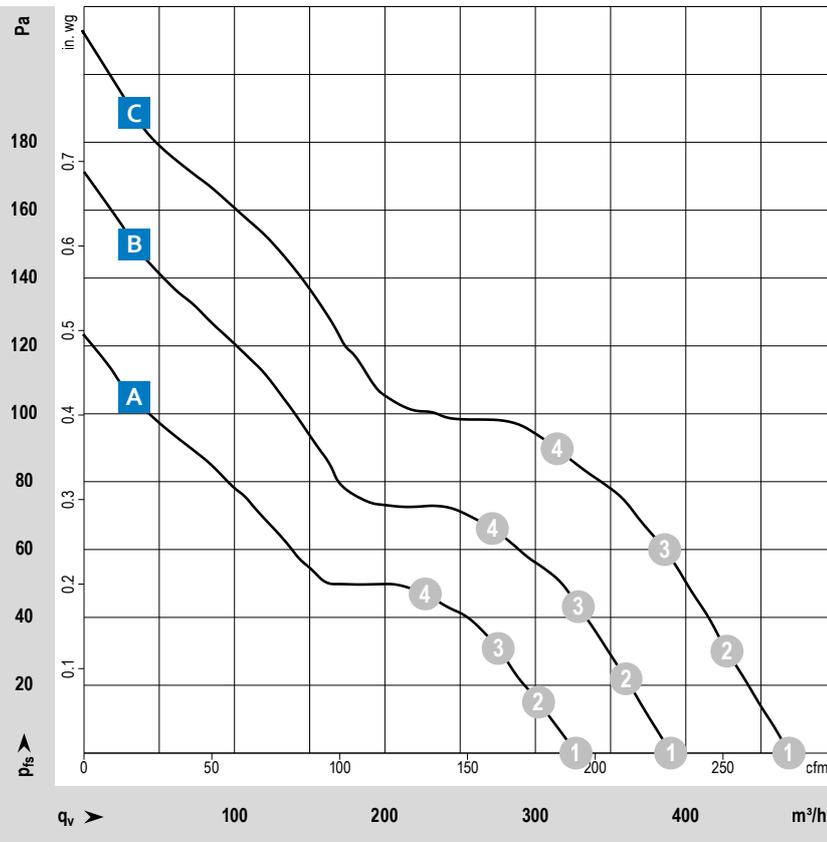
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54
- Version with wires

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

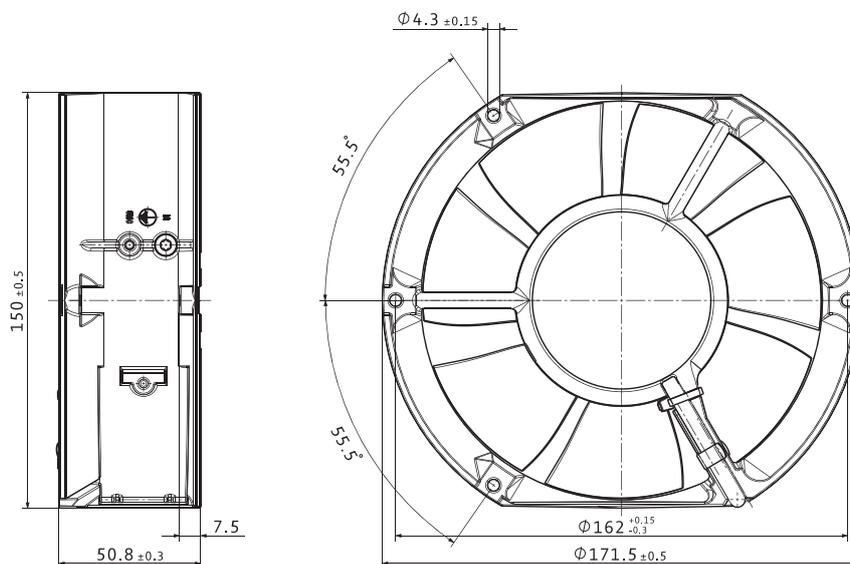
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage		Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L ₁₀ FC (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm							
VWLG150XHLPS 6412 M	9295414359	12	8...15	A	①	327	192	2 850	10.4	6.4	52	-20...+72	80 000	135 000
					②	302	178	2 800	11.0	6.3				
					③	276	162	2 780	11.6	6.2				
					④	227	134	2 740	12.0	6.1				
VWLG150XJLPS 6424 M	9295414304	24	12...32	A	①	325	191	2 850	10.3	6.4	52	-20...+72	80 000	135 000
					②	303	178	2 810	10.8	6.3				
					③	276	162	2 770	11.4	6.2				
					④	228	134	2 750	11.8	6.1				
VWLG150XJLPS 6424	9295414301	24	12...28	B	①	390	230	3 400	16.2	6.8	57	-20...+72	75 000	127 500
					②	361	212	3 330	17.0	6.7				
					③	328	193	3 280	17.8	6.6				
					④	271	160	3 230	18.5	6.5				
VWLG150XJLOS 6424 H	9295414327	24	12...28	C	①	464	273	4 000	22.8	7.3	63	-20...+55	70 000	117 500
					②	425	250	3 880	23.4	7.2				
					③	383	225	3 770	23.9	7.0				
					④	313	184	3 680	24.6	6.9				
VWLG150XKLPS 6448	9295414300	48	28...60	B	①	389	229	3 400	14.1	6.8	57	-20...+72	75 000	127 500
					②	358	211	3 330	14.7	6.7				
					③	324	191	3 260	15.0	6.6				
					④	267	157	3 200	15.2	6.5				
VWLG150XKLOS 6448 H	9295414379	48	28...60	C	①	469	276	4 000	22.8	7.3	63	-20...+55	70 000	117 500
					②	427	251	3 900	23.6	7.2				
					③	386	227	3 800	24.4	7.0				
					④	315	185	3 730	25.2	6.9				

Subject to changes.

Technical drawing

Dimensions in mm



VWLG150X...

DC axial fan · max. 906 m³/h · 172 x 150 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 18, 20 or AWG 22; speed signal and control input AWG 22
- Electrical protection class: III
- Weight: 760 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

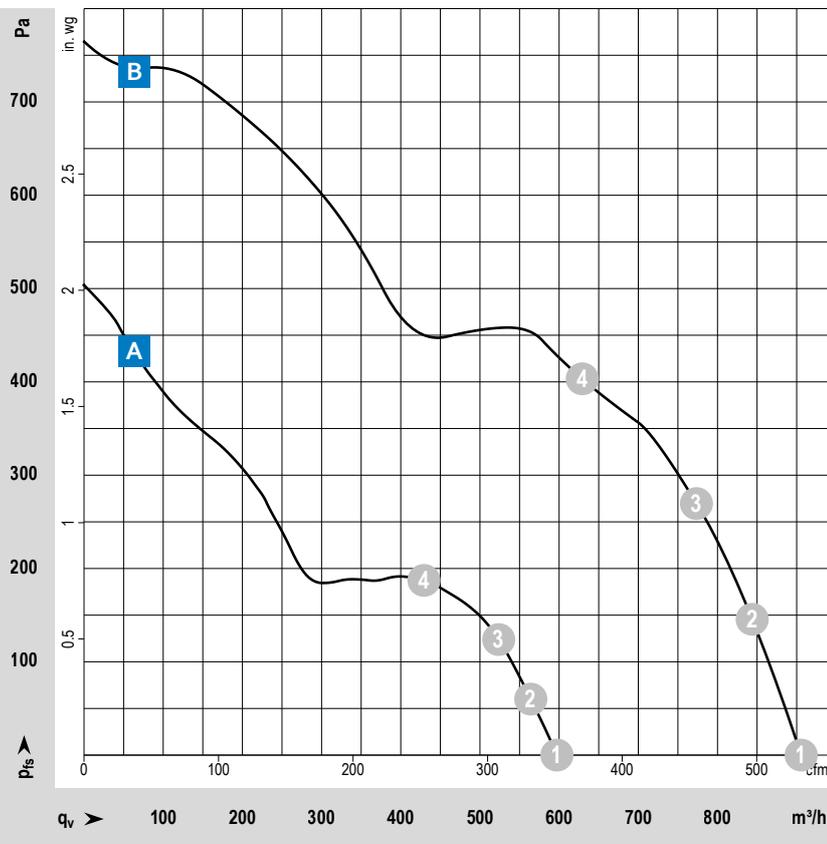
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (freibiasend)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWLG150XKLSZ 6448/2TDP-378	9295414378	48	36...72	A	①	597	351	5100	50.4	8.0	65	-20...+60	70 000	117 500
					②	564	332	5100	57.5	7.9				
					③	524	308	5100	64.7	7.9				
					④	429	252	5100	69.1	7.8				
VWLG150XKLUS 6448/2DHHP	9295414391	48	36...72	B	①	906	533	7 500	160.1	9.2	80	-20...+60	70 000	117 500
					②	848	499	7 500	183.3	9.1				
					③	774	456	7 380	195.0	8.8				
					④	629	370	7 230	200.0	8.6				

Subject to changes. * Variant with extended voltage range available on request.

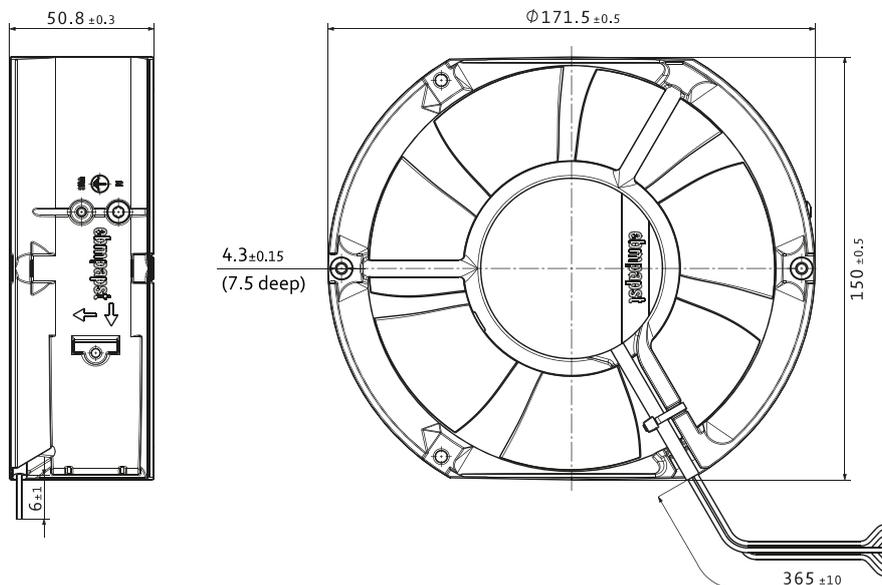
The fan types 6448 TD... and 6448 TDHH... are available in customer-specific, custom-developed variants only.

The figures indicated are technically feasible benchmark values. The fan types can be specially adapted to your application with signal outputs and control inputs.

For details of the technical possibilities, refer to the chapters on the sensor signal, alarm signal and control inputs beginning on page 178.

Technical drawing

Dimensions in mm



VKLG160X...

DC diagonal fan · max. 527 m³/h · 172 x 160 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; diagonal design; compact and powerful; noise and efficiency optimized diagonal fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: III
- Weight: 820 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

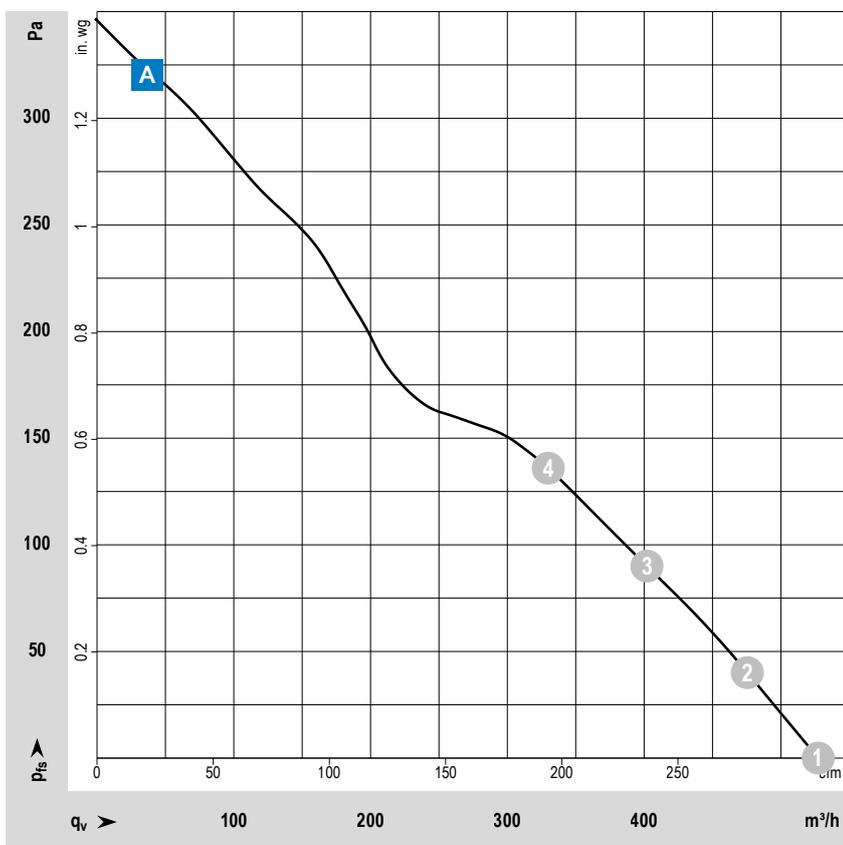
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

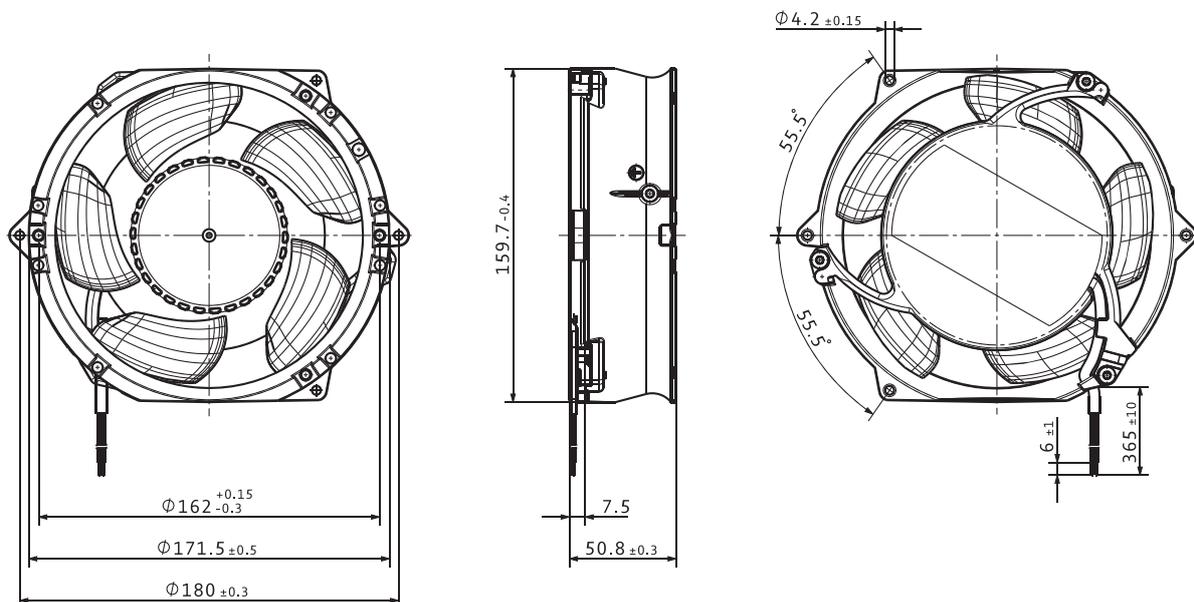
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life	Life expectancy
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VKLG160XJLRS DV 6424	9295414549	24	16...28	A	①	516	304	4 300	38.6	7.5	65	-20...+75	90 000	152 500
					②	469	276	4 180	39.4	7.4				
					③	397	234	4 050	40.1	7.3				
					④	326	192	4 040	40.1	7.2				
VKLG160XKLRS DV 6448/12	9295414538	48	28...60	A	①	527	310	4 300	38.9	7.5	65	-20...+75	90 000	152 500
					②	475	280	4 160	39.1	7.4				
					③	402	237	4 000	39.0	7.3				
					④	330	194	3 950	38.9	7.2				

Subject to changes.

Technical drawing

Dimensions in mm



VWEG172PKLUS

DC axial fan · max. 1 025 m³/h · 172 x 160 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 18, 20 or AWG 22; speed signal and control input AWG 22
- Electrical protection class: III
- Weight: 875 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

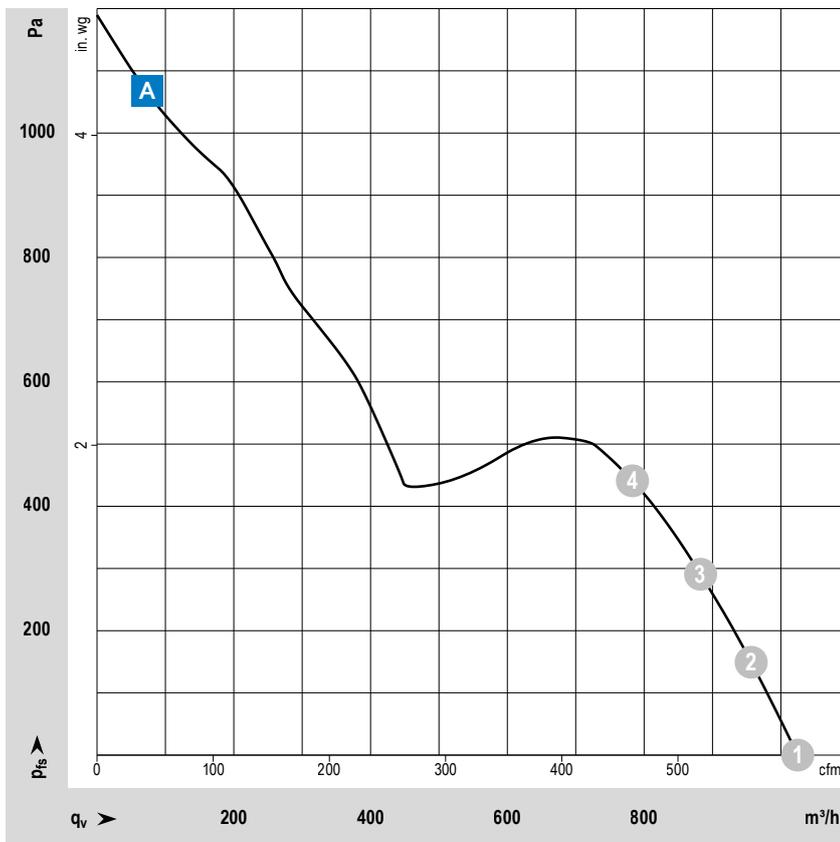
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP54

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

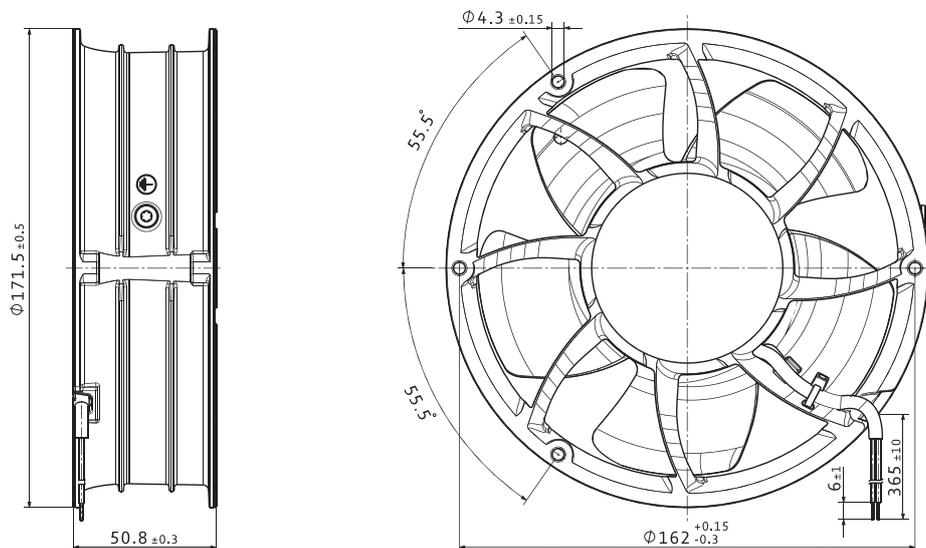
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEG172PKLUS 6318 N/2 TDH3P-303	9295420303	48	36...72	A	①	1 025	603	7 500	171.2	8.7	76	-20...+70	60 000	102 500
					②	959	564	7 500	193.9	8.6				
					③	883	520	7 500	214.2	8.6				
					④	783	461	7 500	229.8	8.5				

Subject to changes.

Technical drawing

Dimensions in mm



VWEG172X...

DC axial fan · max. 926 m³/h · 172 x 160 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: AWG 18, Input and output signals AWG 22
- Electrical protection class: III
- Weight: 875 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

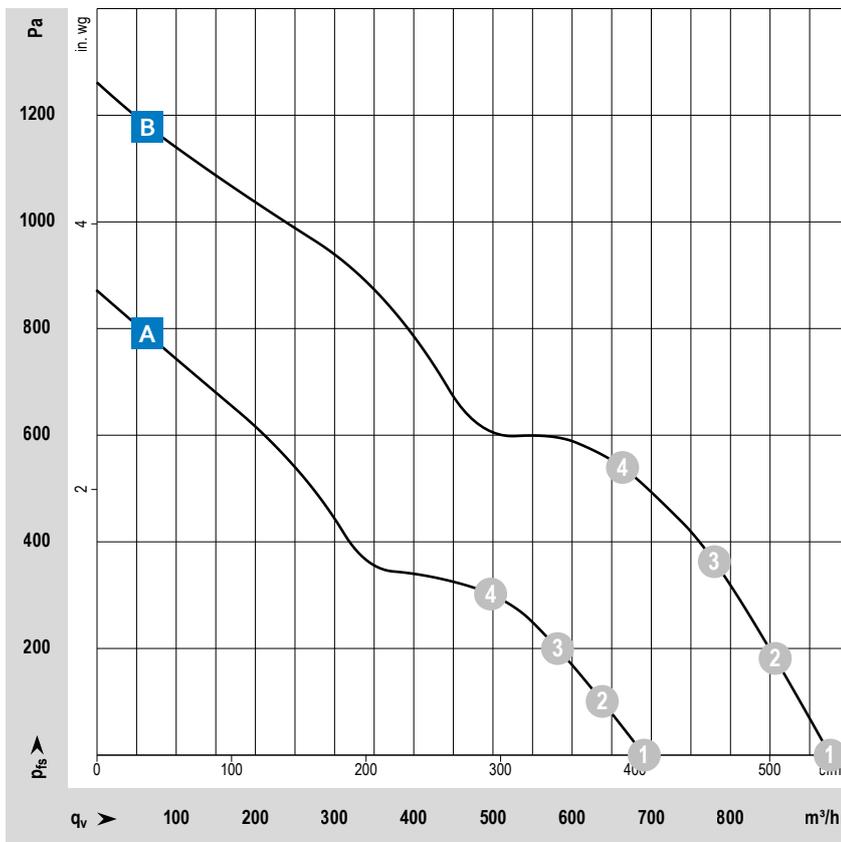
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

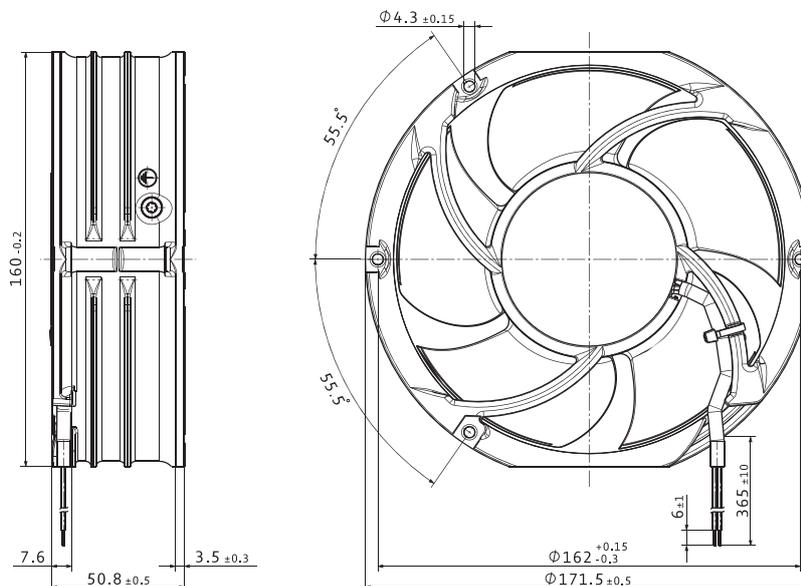
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEG172XLSS 6314/2 TDHHP-015	9295420015	24	16...36	A	①	691	407	7 000	65.8	7.8	69	-20...+75	62 500	105 000
					②	639	376	6 960	82.8	8.0				
					③	582	343	6 960	98.1	8.1				
					④	497	293	6 960	114.7	8.3				
VWEG172XKLUS 6318/2 TDH4P-007	9295420007	48	36...72	B	①	926	545	9 200	147.0	8.8	75	-20...+75	52 500	87 500
					②	858	505	9 200	182.2	8.9				
					③	781	460	9 200	217.7	9.0				
					④	664	391	9 200	256.1	9.2				

Subject to changes.

Technical drawing

Dimensions in mm



VWEG172P...

DC axial fan · max. 676 m³/h · Ø 172 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: AWG 22, Input and output signals AWG 24
- Electrical protection class: III
- Weight: 755 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

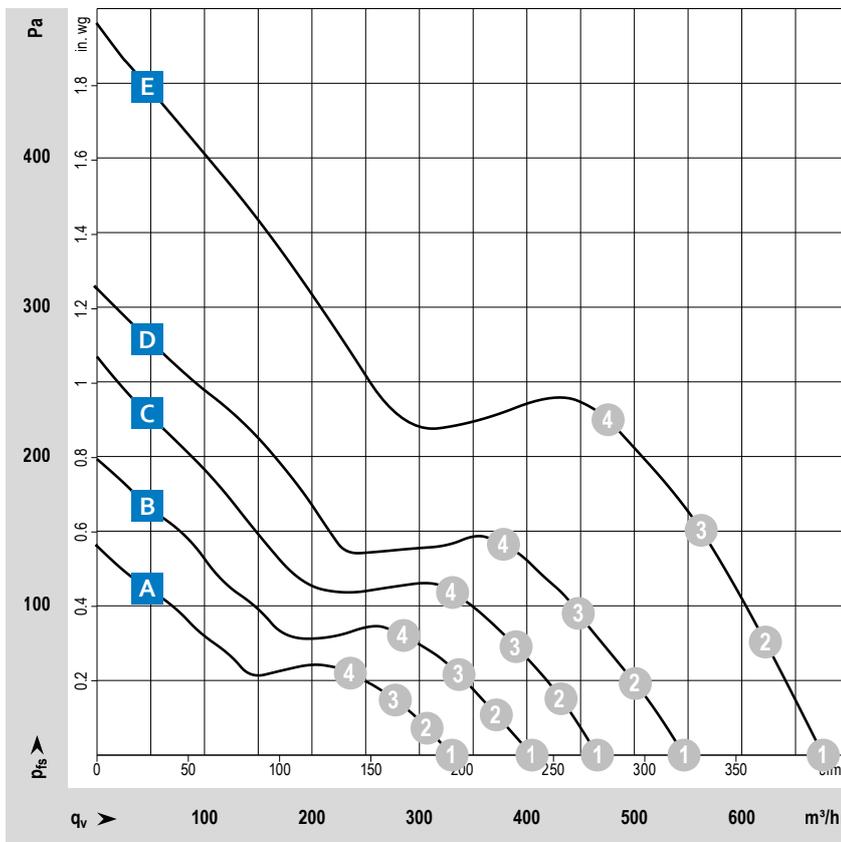
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

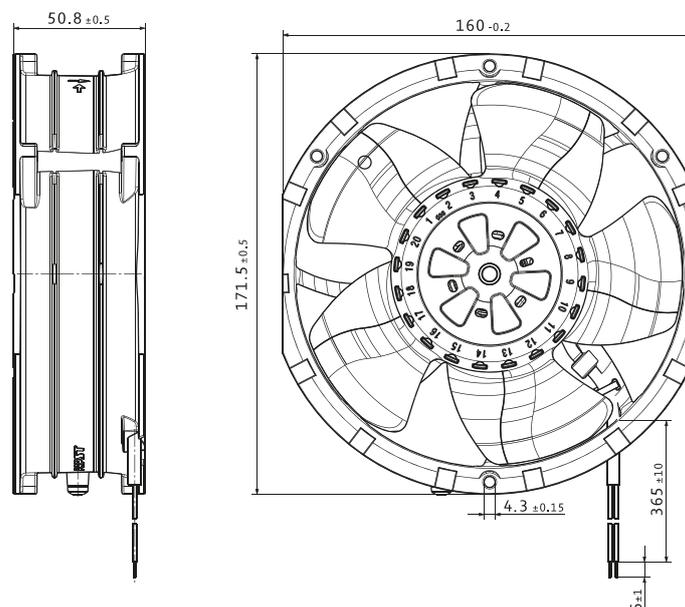
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow			Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm						
VWEG172PJLPZ 6314 NM	9695480316	24	16...32	B	①	330	194	2 500	10.1	5.9	-	-20...+70	87 500	147 500
					②	307	181	2 500	10.8	5.9				
					③	278	164	2 500	11.7	5.8				
					④	236	139	2 500	12.4	5.7				
VWEG172PJLQZ 6314 NN	9695480317	24	16...32	C	①	405	238	3 000	15.3	6.4	-	-20...+70	85 000	142 500
					②	372	219	3 000	16.8	6.4				
					③	337	198	3 000	18.3	6.3				
					④	285	168	3 000	19.5	6.2				
VWEG172PJLQZ 6314 NH	9695480314	24	16...32	D	①	466	274	3 500	22.3	6.7	-	-20...+70	82 500	140 000
					②	433	255	3 500	25.0	6.7				
					③	391	230	3 500	27.5	6.6				
					④	331	195	3 500	28.7	6.5				
VWEG172PJLRS 6314 N/2 HHP	9695480300	24	16...32	E	①	547	322	4 000	34.1	7.2	-	-20...+70	80 000	135 000
					②	501	295	4 000	38.6	7.1				
					③	449	264	4 000	38.3	7.0				
					④	373	220	3 950	41.9	7.0				
VWEG172PKLRS 6318 N/2 HHP	9695480301	48	36...60	E	①	546	321	4 000	31.2	7.1	-	-20...+70	80 000	135 000
					②	501	295	4 000	35.1	7.1				
					③	448	264	4 000	38.9	7.0				
					④	378	222	4 000	41.3	7.0				
VWEG172PKLSS 6318 N/2 H3P	9695480304	48	36...60	F	①	676	398	5 000	56.6	7.7	-	-20...+70	77 500	130 000
					②	623	367	5 000	64.5	7.6				
					③	563	331	5 000	73.0	7.5				
					④	476	280	5 000	78.2	7.5				

Subject to changes.

Technical drawing

Dimensions in mm



VWEG172P...

DC axial fan · max. 1 234 m³/h · Ø 172 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor of the S-Panther series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 18, 20; Speed and alarm signal: AWG 22
- Electrical protection class: I or III (performance-related)
- Weight: 890 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

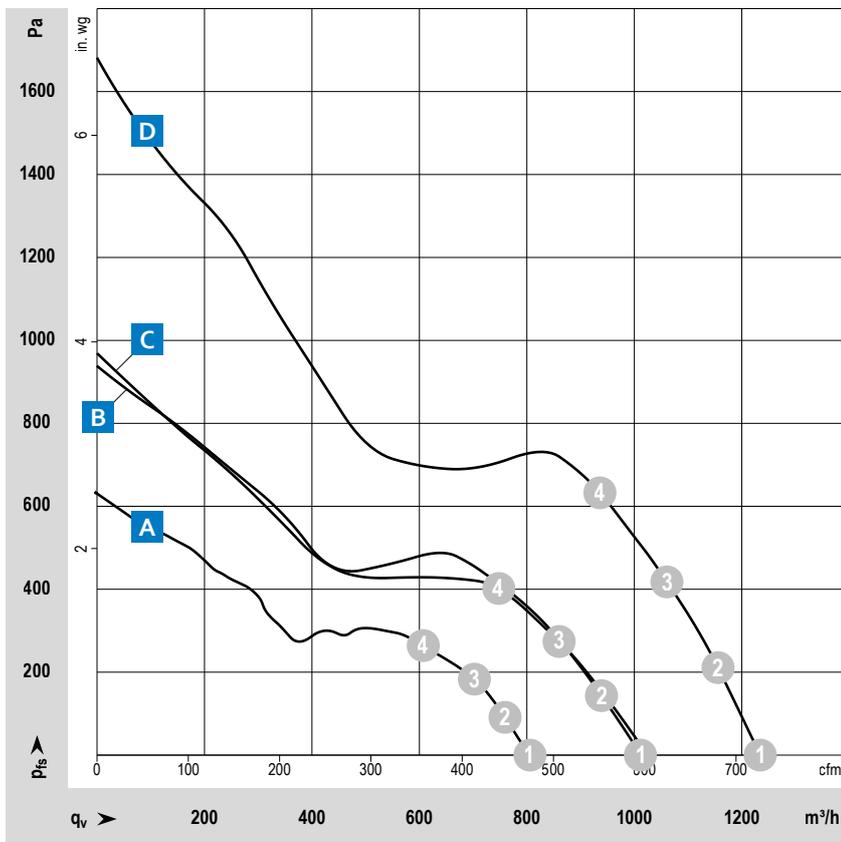
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

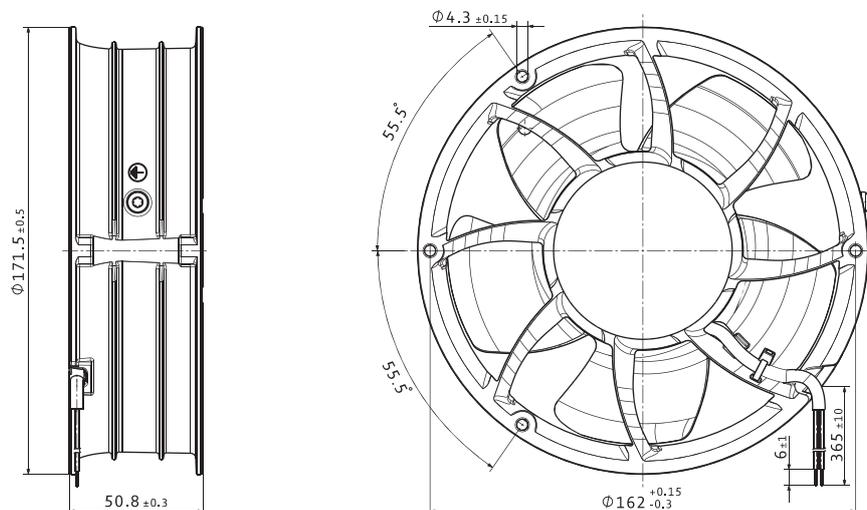
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L ₁₀ (40 °C) ebm-papst standard	Life expectancy L _{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEG172PJLUS 6314 N/2 TDHHP	9295420300	24	16...36	B	①	1 013	596	7 200	154.0	8.6	75	-20...+70	62 500	105 000
					②	941	554	7 200	172.6	8.5				
					③	862	507	7 180	190.6	8.4				
					④	753	443	7 130	200.0	8.3				
VWEG172PKLTS 6318 N/2 TDHP	9295416300	48	36...60	A	①	806	474	6 000	91.5	8.1	71	-20...+70	75 000	127 500
					②	759	447	6 000	101.9	8.0				
					③	702	413	6 000	114.2	7.9				
					④	607	357	5 850	115.0	7.9				
VWEG172PKLUS 6318 N/2 TDH3P	9295420302	48	36...72	C	①	1 025	603	7 500	150.3	8.7	76	-20...+70	60 000	102 500
					②	946	557	7 450	168.4	8.6				
					③	860	506	7 400	181.3	8.6				
					④	748	440	7 360	189.5	8.5				
VWEG172PKLVS 6318 N/2 TDH4P	9295420305	48	36...72	D	①	1 234	726	9 000	286.0	9.3	80	-20...+65	45 000	75 000
					②	1 156	680	9 000	328.4	9.1				
					③	1 061	624	9 000	364.6	9.0				
					④	937	551	9 000	391.9	9.0				

Subject to changes.

Technical drawing

Dimensions in mm



VWEG172X...

DC axial fan · max. 535 m³/h · Ø 172 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 22
- Electrical protection class: I or III (performance-related)
- Weight: 825 g

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com

Approvals

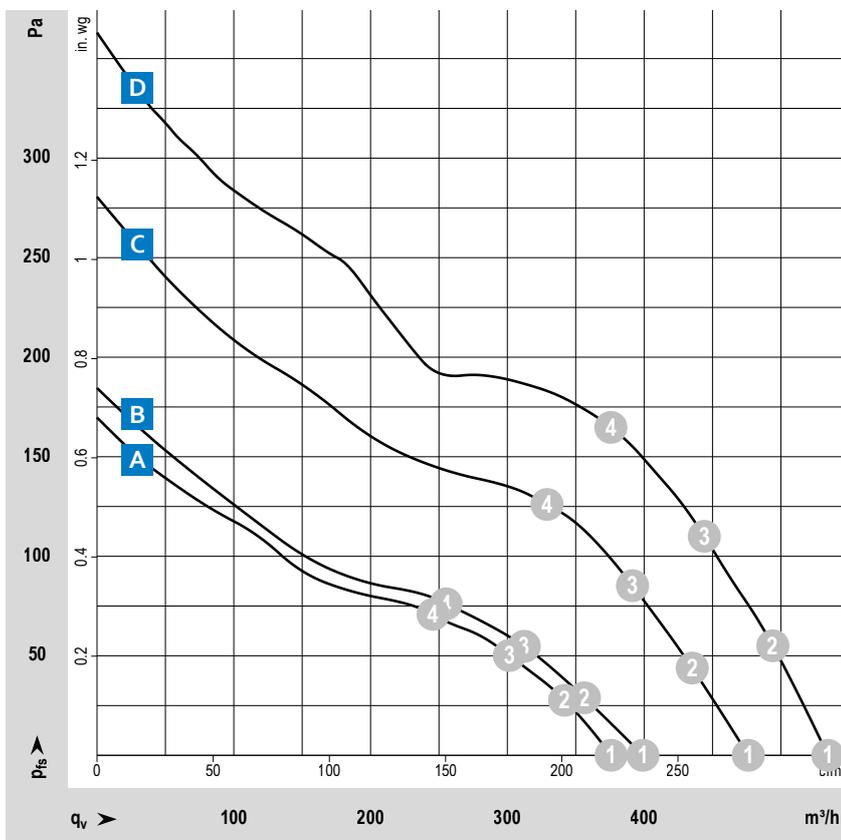
- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Housing with grounding lug for screw M4 x 8 (Torx)



Measuring conditions

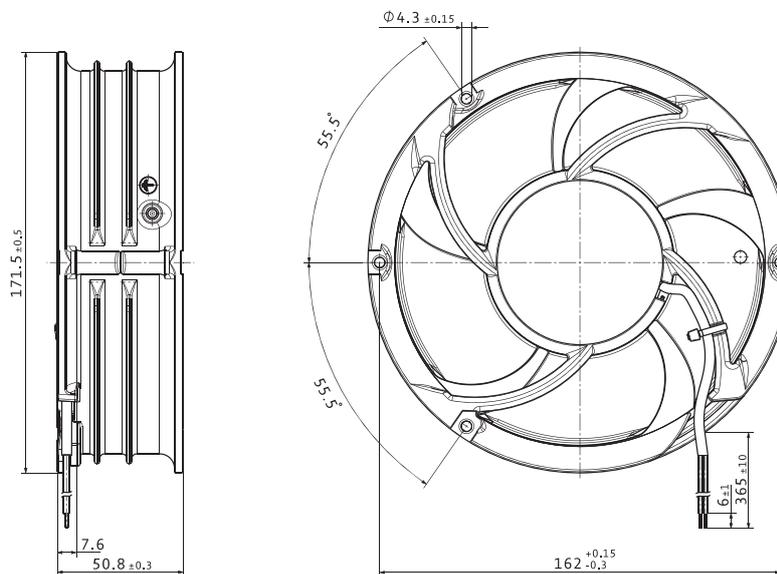
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEG172XHLPS 6312/2 MP-204	9695480204	12	8...16	A	①	376	221	3 500	12.7	6.1	49	-20...+65	82 500	140 000
					②	344	202	3 500	15.0	6.0				
					③	301	177	3 400	15.9	5.9				
					④	246	145	3 300	17.5	6.0				
VWEG172XLPS 6314/2 MP	9695480211	24	16...30	B	①	399	235	3 700	12.9	6.2	51	-20...+75	82 500	140 000
					②	357	210	3 600	14.2	6.0				
					③	313	184	3 500	15.2	5.9				
					④	255	150	3 400	16.0	6.0				
VWEG172XLQS 6314/2 NP	9695480210	24	16...30	C	①	476	280	4 400	20.8	6.9	56	-20...+70	80 000	135 000
					②	436	257	4 390	24.9	6.8				
					③	391	230	4 390	28.6	6.6				
					④	329	194	4 360	31.7	6.7				
VWEG172XLRS 6314/2 HP	9695480191	24	16...30	D	①	535	315	5 000	28.0	7.1	58	-20...+65	77 500	130 000
					②	494	291	4 980	34.2	7.0				
					③	443	261	4 980	40.0	6.9				
					④	373	220	4 940	45.3	6.9				
VWEG172XKLS 6318/2 HP	9695480196	48	36...72	D	①	534	314	5 000	28.2	7.1	58	-20...+65	77 500	130 000
					②	494	291	4 990	33.4	7.0				
					③	444	261	4 980	39.6	6.9				
					④	376	221	4 970	45.2	6.9				

Subject to changes.

Technical drawing

Dimensions in mm



VWEG172X...

DC axial fan · max. 940 m³/h · Ø 172 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: AWG 18, Input and output signals AWG 22
- Electrical protection class: I or III (performance-related)
- Weight: 875 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

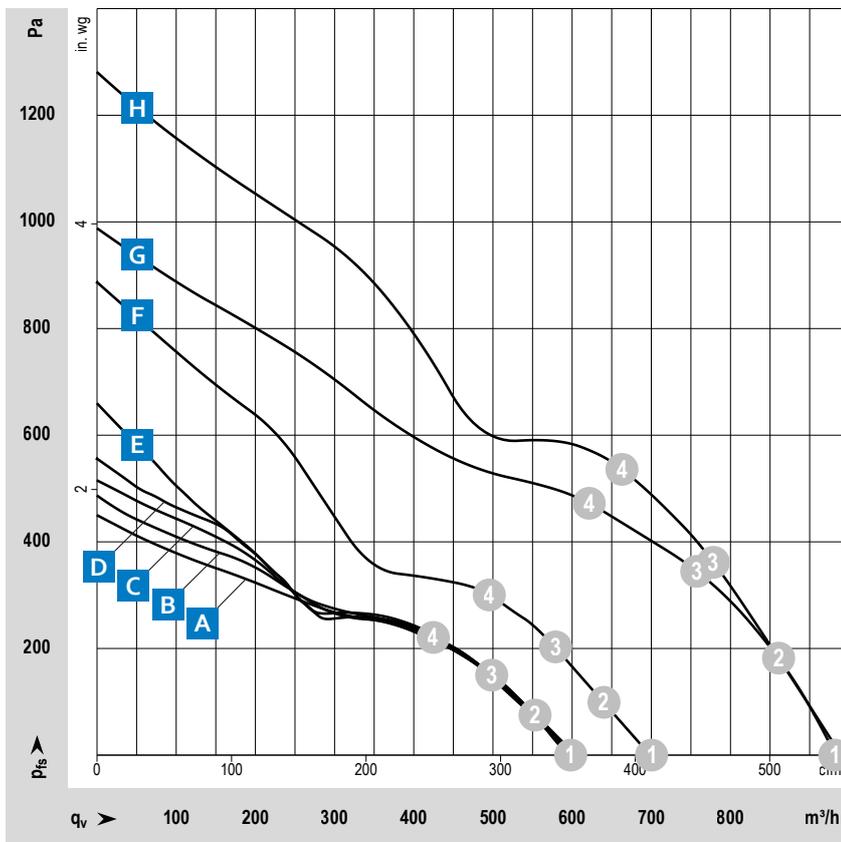
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

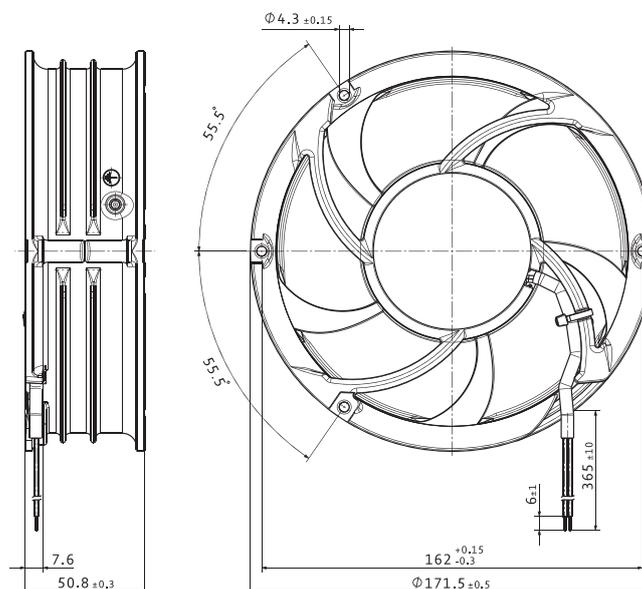
Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWEG172XHLPS 6312/2 TDHP	9295420022	12	8...16	C	①	604	356	5 500	41.1	7.8	60	-20...+70	75 000	127 500
					②	554	326	5 472	49.8	7.7				
					③	500	294	5 463	58.8	7.6				
					④	423	249	5 461	68.4	7.7				
					⑤									
VWEG172XJLPS 6314/2 TDHP-298	9295414298	24	16...30	B	①	603	355	5 500	43.0	7.8	60	-20...+65	75 000	127 500
					②	553	325	5 494	52.9	7.7				
					③	501	295	5 501	62.9	7.6				
					④	425	250	5 503	72.9	7.6				
					⑤									
VWEG172XJLOS 6314/2 TDHP	9295420004	24	16...36	D	①	599	353	5 500	39.3	7.5	60	-20...+75	75 000	127 500
					②	552	325	5 501	48.3	7.4				
					③	500	294	5 487	56.4	7.4				
					④	428	252	5 495	65.5	7.3				
					⑤									
VWEG172XJLRS 6314/2 TDHHP	9295420026	24	16...36	F	①	699	411	7 000	66.9	8.1	69	-20...+75	62 500	105 000
					②	640	377	6 985	81.0	8.2				
					③	581	342	6 982	95.2	8.3				
					④	497	293	6 991	110.5	8.4				
					⑤									
VWEG172XKLRS 6314/2 TDH4P	9295420011	24	16...36	G	①	932	549	9 221	152.0	8.8	75	-20...+75	52 500	87 500
					②	861	507	9 190	193.7	9.0				
					③	760	447	9 036	215.0	9.0				
					④	622	366	8 658	215.0	9.0				
					⑤									
VWEG172XJLPS 6318/2 TDHP-299	9295414299	48	36...60	A	①	602	354	5 499	43.5	7.8	60	-20...+65	75 000	127 500
					②	550	324	5 487	53.3	7.7				
					③	498	293	5 475	62.0	7.6				
					④	422	248	5 465	73.0	7.6				
					⑤									
VWEG172XJLOS 6318/2 TDHP	9295420005	48	36...72	E	①	595	350	5 501	40.2	7.5	60	-20...+75	75 000	127 500
					②	551	324	5 506	47.8	7.4				
					③	498	293	5 493	56.0	7.4				
					④	425	250	5 495	64.8	7.3				
					⑤									
VWEG172XJLRS 6318/2 TDHHP	9295420003	48	36...72	F	①	691	407	7 000	68.5	8.0	69	-20...+75	62 500	105 000
					②	639	376	7 001	82.9	8.1				
					③	582	343	7 000	96.8	8.2				
					④	501	295	7 012	112.1	8.3				
					⑤									
VWEG172XKLRS 6318/2 TDH4P	9295420021	48	36...72	H	①	940	553	9 200	148.2	8.8	75	-20...+75	52 500	87 500
					②	861	507	9 150	181.2	8.9				
					③	780	459	9 154	213.4	9.0				
					④	663	390	9 158	249.0	9.2				
					⑤									

Subject to changes.

DC axial fans

Technical drawing

Dimensions in mm



VKEG178X...

DC diagonal fan · max. 1 049 m³/h · Ø 172 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; diagonal design; compact and powerful; noise and efficiency optimized diagonal fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: AWG 18, Input and output signals AWG 22
- Electrical protection class: I or III (performance-related)
- Weight: 960 g

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

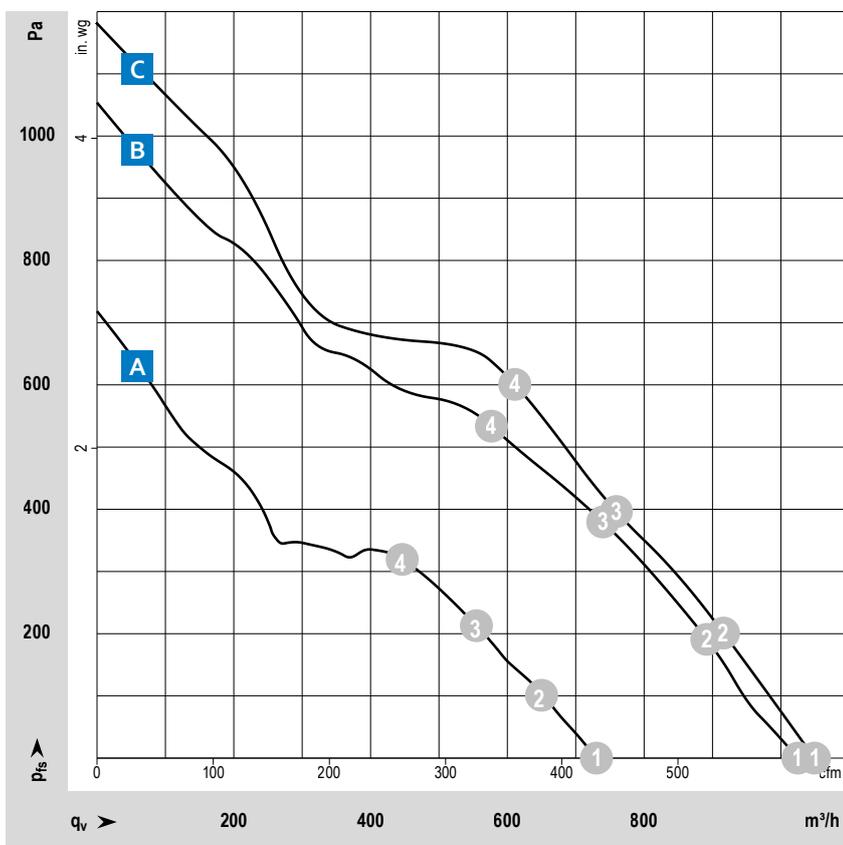
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input (Standard)
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

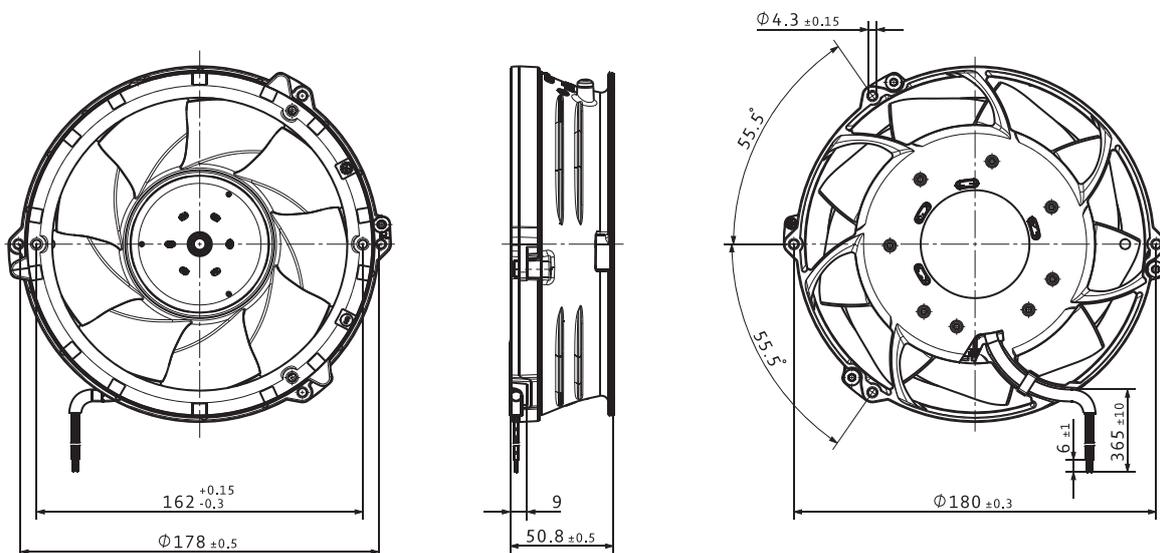
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10PFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VKEG178XJLTS DV 6314/2 TDHHP	9295420103	24	16...36	B	①	730	430	4 850	109.0	8.3	72	-20...+60	75 000	127 500
					②	650	383	4 770	114.3	8.1				
					③	555	327	4 760	119.6	8.0				
					④	446	263	4 800	118.0	8.0				
					⑤									
VKEG178XKLUS DV 6318/2 TDH4P	9295416100	48	36...72	C	①	1 025	603	6 500	253.4	9.2	77	-20...+65	50 000	85 000
					②	892	525	6 330	257.2	9.0				
					③	740	436	6 280	265.1	8.9				
					④	577	340	6 350	255.7	8.9				
					⑤									
VKEG178XKLVS DV 6318/2 TDH5P*	9295420100	48	36...72	D	①	1 049	617	6 800	293.7	9.3	79	-20...+65	40 000	67 500
					②	916	539	6 600	292.2	9.2				
					③	758	446	6 560	291.2	9.1				
					④	611	360	6 720	294.3	9.0				
					⑤									

Subject to changes.
* Rotor protrusion a = 3mm

Technical drawing

Dimensions in mm



VWLG150K...

DC axial fan · max. 652 m³/h · 172 x 150 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan of the AxiForce series
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: AWG 22 (48VDC), AWG 20 (24VDC), Input and output signals AWG 22
- Electrical protection class: 48V: 1; 24V: 3
- Weight: 860 g

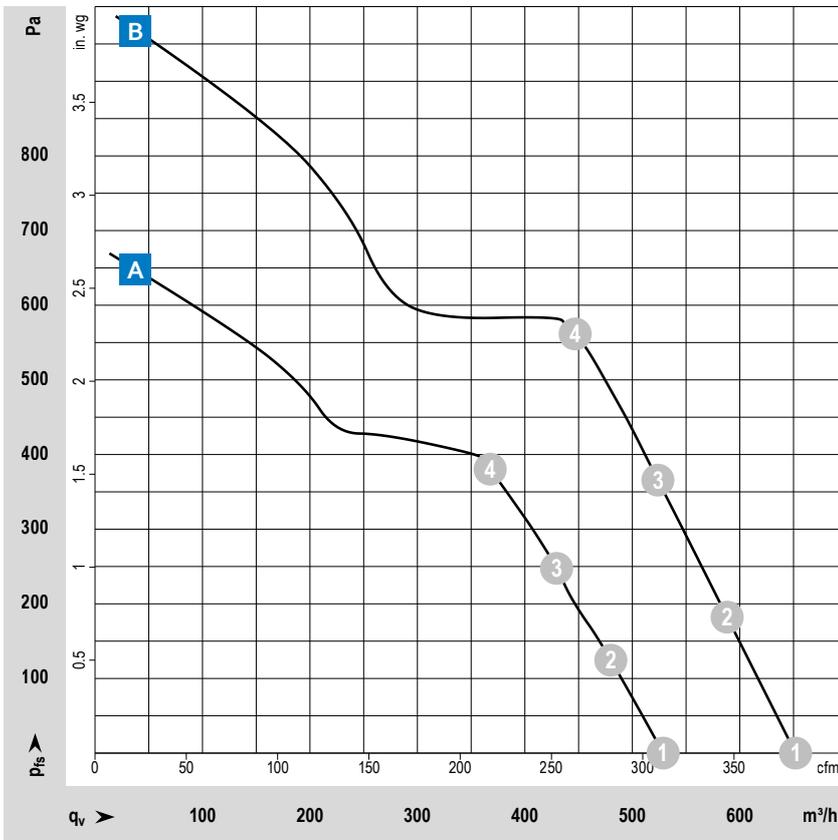
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more at	www.ebmpapst.com

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)
- optional: DIN EN 60079-7, Group IIA, T3

Options

- Output signals: Speed signal, Alarm
- Input signals: PWM, Analog, O, Temperature sensor
- Extended protection against environmental conditions: up to IP68



Measuring conditions

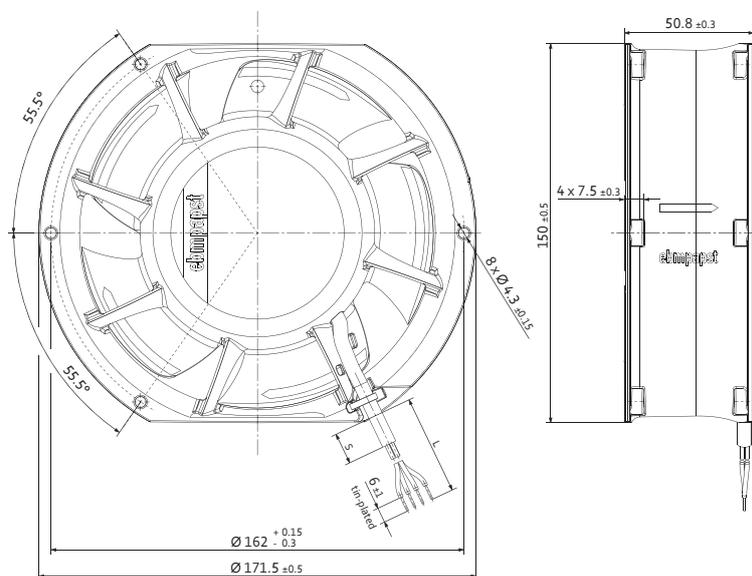
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWLG150JLRS AxiForce 172	8315100157	24	16...30	A	①	529	311	6 800	57.5	8.1	71	-20...+70	84 000	141 750
					②	481	283	6 800	72.5	8.1				
					③	430	253	6 800	85.2	7.8				
					④	368	217	6 800	96.3	7.9				
VWLG150KLSS AxiForce 172	8315100059	48	36...72	B	①	652	384	8 300	96.90	8.2	70	-20...+70	70 000	117 500
					②	588	346	8 300	123.4	8.2				
					③	524	308	8 300	146.3	8.1				
					④	447	263	8 300	164.4	8.4				

Subject to changes.

Technical drawing

Dimensions in mm



VWLG200F...

DC axial fan · max. 1 220 m³/h · 220 x 200 x 51 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; low-profile, noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: Via single wires AWG 18, 20 or AWG 22; speed signal and control input AWG 22
- Electrical protection class: III
- Weight: 1 kg

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC (only necessary >36V)

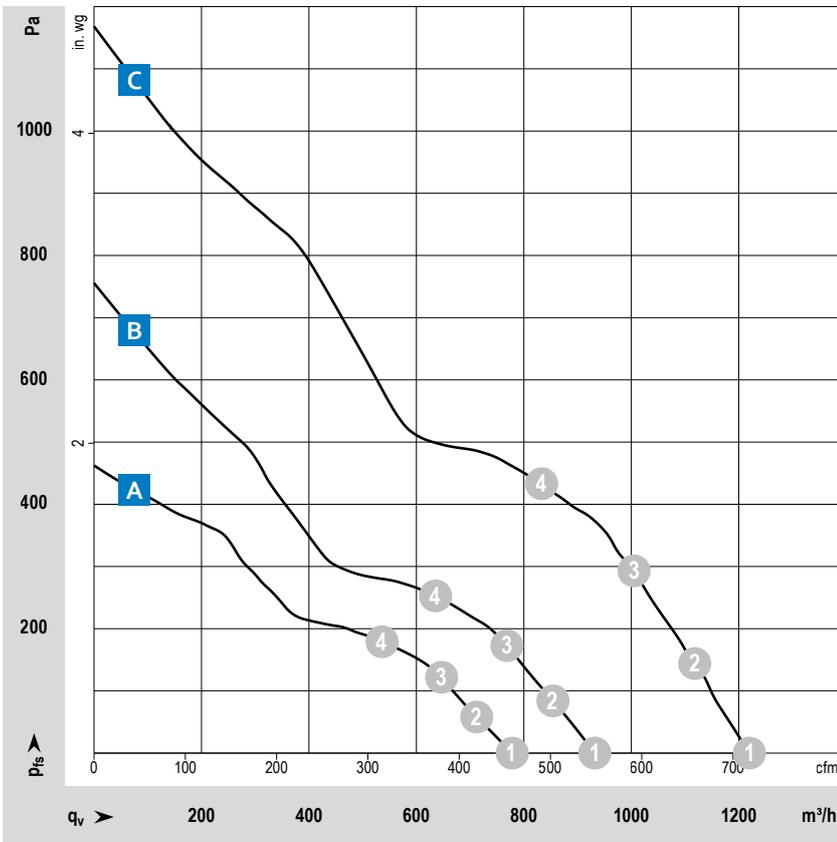
Options

- Speed signal
- Go / NoGo alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Multi-options control input
- Moisture protection
- Salt spray protection
- Degree of protection: up to IP68

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Housing with grounding lug for screw M4 x 8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

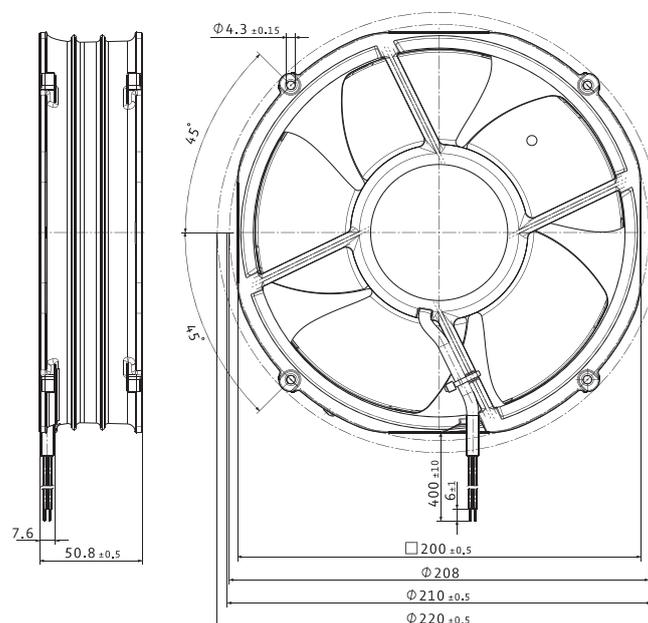
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s.p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWLG200FJLTS 2214 F/2 TDHO	9295414750	24	16...30	A	①	797	469	4 250	34.8	7.2	62	-20...+75	90 000	152 500
					②	727	428	4 250	48.4	7.2				
					③	653	384	4 250	62.2	7.2				
					④	540	318	4 240	75.1	7.5				
					⑤									
VWLG200FJLUS 2214 F/2 TDHHO	9295420205	24	16...36	B	①	936	551	5 000	47.8	7.5	66	-20...+70	85 000	142 500
					②	861	507	5 020	68.9	7.6				
					③	776	457	5 030	89.7	7.6				
					④	642	378	5 010	109.6	8.1				
					⑤									
VWLG200FKLTS 2218 F/2 TDHO	9295414752	48	36...57	A	①	778	458	4 250	34.3	7.2	62	-20...+75	90 000	152 500
					②	712	419	4 230	46.2	7.2				
					③	647	381	4 230	59.5	7.2				
					④	536	315	4 220	72.5	7.5				
					⑤									
VWLG200FKLUS 2218 F/2 TDHHO	9295420201	48	36...72	B	①	932	549	5 000	47.3	7.5	66	-20...+70	85 000	142 500
					②	854	503	4 970	65.6	7.6				
					③	769	453	4 980	86.1	7.6				
					④	636	374	4 970	105.3	8.1				
					⑤									
VWLG200FKLVS 2218 F/2 TDH4P	9295420200	48	36...72	C	①	1 220	718	6 500	98.5	8.2	72	-20...+65	70 000	117 500
					②	1 118	658	6 490	140.2	8.4				
					③	1 005	592	6 490	183.1	8.4				
					④	833	490	6 480	229.2	8.6				
					⑤									

Subject to changes.

Technical drawing

Dimensions in mm



VWLH200CKLXS

DC axial fan · max. 1 820 m³/h · Ø 200x70 mm



Material/Surface

- Housing: Combined (metal flange, plastic inlet nozzle)
- Impeller: Plastic

Characteristics

- Version: DC fan available in 48VDC; compact and powerful; innovative impeller design with rotating fan housing leads to maximization of efficiency and noise optimization
- Direction of air flow: exhaust over struts
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation(S1)
- IP protection class: IP20, up to IP68 on request
- Electrical hookup: exposed wire
- Electrical protection class: III
- Weight: 1.5 kg

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA, CCC

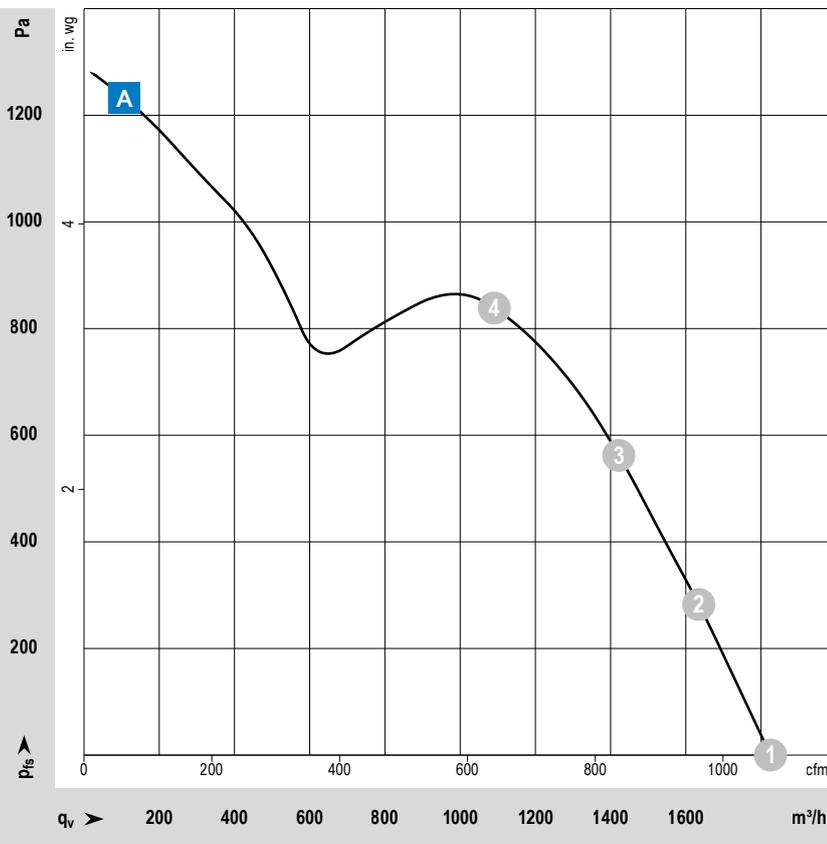
Options

- Output signals: speed /2; alarms (Go/NoGo + Trip speed)
- Input signals: Multi-options input; I + T
- Predictive Maintenance (FanCheck)

Special features

- Ready for Restart (R4R) enables safe startup with external drive
- with moisture protection (see page 266)
- with grounding screw M4x8 (Torx)

from page 14	Definitions
from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

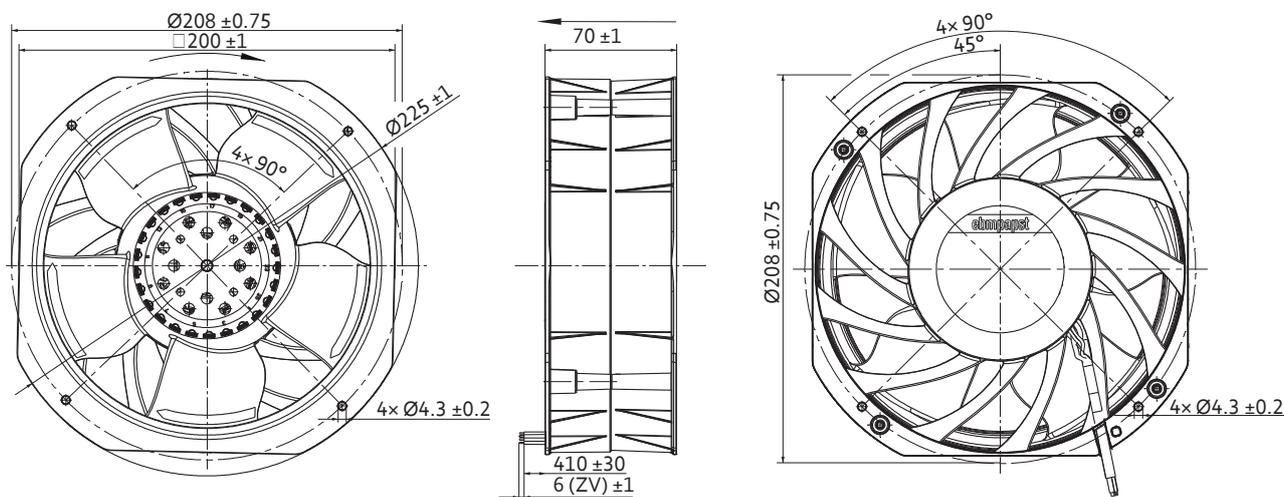
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

		Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s. p. 11
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
Type / Type old	Part number													
VWLH200CKLXS AxiEco 200	8317081096	48	36...60	A	①	1 820	1 071	7 000	356.1	9.3	80.2	-20...+60	90 000	152 500
					②	1 636	963	7 000	407.5	9.1				
					③	1 423	838	7 000	457.1	9.0				
					④	1 091	642	6 970	499.3	9.0				

Subject to changes.

Technical drawing

Dimensions in mm



VWLJ200XJLVZ

DC axial fan · max. 1 162 m³/h · □ 225 x 80 mm



Material/Surface

- Housing: Metal
- Impeller: Plastic

Characteristics

- Version: DC fan available in 24 or 48VDC; compact and powerful; noise and efficiency optimized axial fan with 3-phase TurboDrive (TD) motor
- Direction of air flow: exhaust over struts
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: via terminal strip
- Electrical protection class: III
- Weight: 2.1 kg

Approvals

- DIN EN 62368, UL507, CSA C22.2 Nr. 113, EAC, CE, UKCA

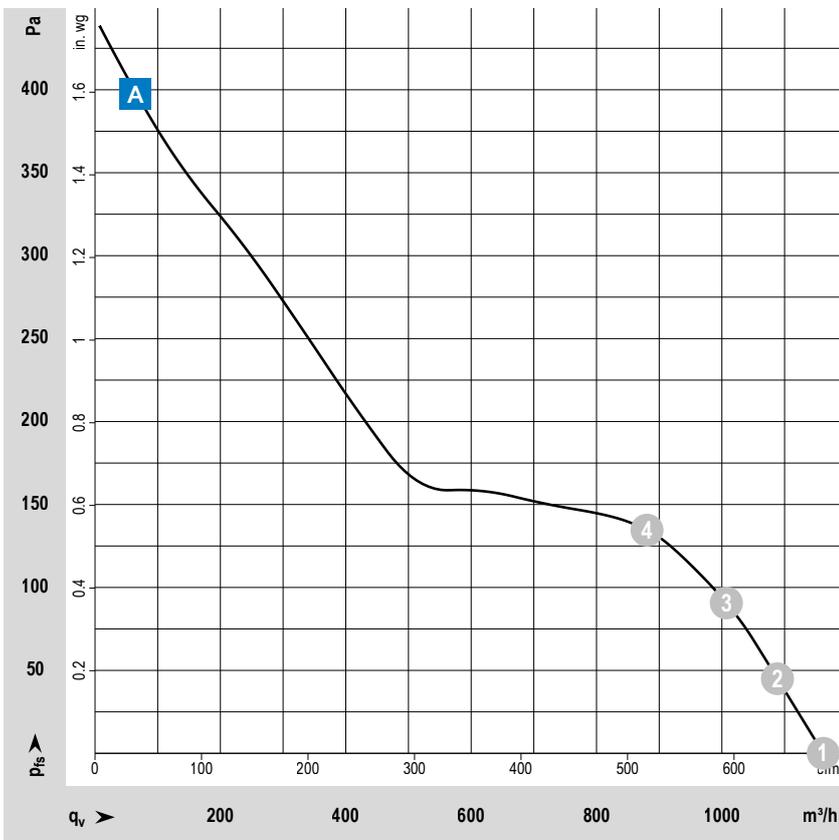
Options

- Speed signal
- Go / No Go Alarm
- Alarm with speed limit
- External temperature sensor
- Internal temperature sensor
- PWM control input
- Analog control input
- Multi-options control input
- Moisture protection
- IP protection class: up to IP54

Special features

- Highly efficient and smoothly operating 3-phase fan drive
- Electrical commutation completely integrated

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from page 350	Accessories
more at	www.ebmpapst.com



Measuring conditions

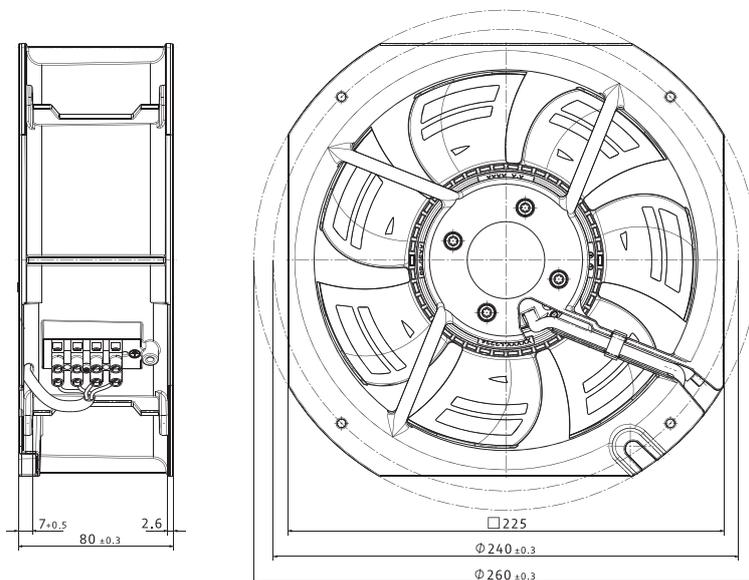
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general-conditions>

Type / Type old	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow		Speed	Power consumption	Sound power level	Sound pressure (free air flow)	Perm. ambient temperature	Service life L_{10} (40 °C) ebm-papst standard	Life expectancy L_{10IFC} (40 °C) s. p. II
		VDC	VDC			m ³ /h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWLJ200XJLVZ 2214 TDHO	8315100070	24	16...36	A	①	1 162	684	3 500	70.9	7.4	63	-20...+65	80 000	135 000
					②	1 089	641	3 460	79.1	7.3				
					③	1 009	594	3 470	89.7	7.5				
					④	882	519	3 460	99.9	7.6				

Subject to changes.

Technical drawing

Dimensions in mm



VJH0200XUNCS

DC diagonal module · max. 1 245 m³/h · □ 225 x 80 mm · Ø 200



Material/Surface

- Housing and support bracket: Plastic
- Impeller: Plastic

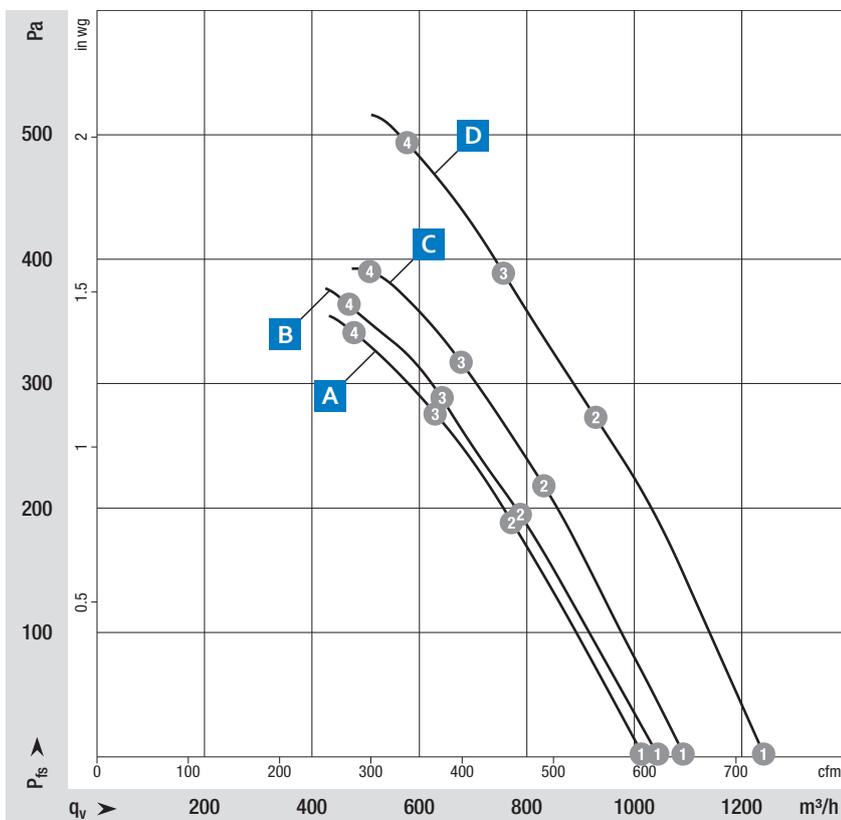
Characteristics

- Version: DC diagonal module, single inlet, with support bracket
- Direction of air flow: "V"
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Maintenance-free ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class:
 - **A + C**: IP44, depending on installation and position
 - **B + D**: IP20, depending on installation and position
- Electrical protection class: III; requires supply with safety extra-low voltage SELV
- Weight: 1.8 kg

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more at	www.ebmpapst.com

Approvals

- UL 1004-1; CSA 22.2 Nr. 77; CCC on request (only applicable with >36V)
- **B + D**: EAC



Measuring conditions

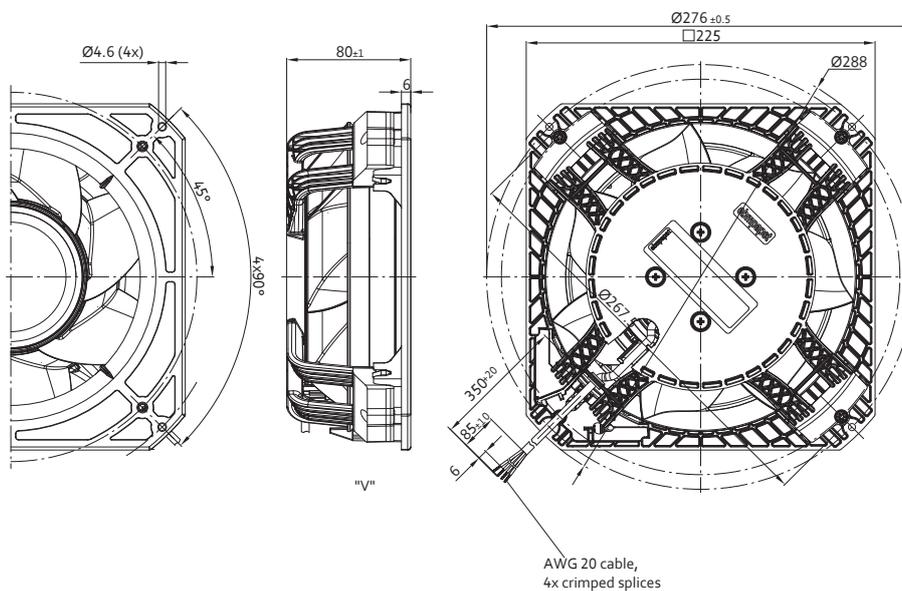
Air performance measured according to: ISO 5801. Installation category A, without contact protection.
 Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation!
 For detailed information see <http://www.ebmpapst.com/general conditions>

Type	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Input current	Sound power level	Perm. ambient temperature
		VDC	VDC			m ³ /h	cfm	rpm	W	A	Bel(A)	°C
VJH0200XUNCS	K1G200AD6504	24	16...28	A	①	1 015	597	3 400	95	4.55	7.6	-25...+60
					②	785	462	3 410	116	5.29	7.4	
					③	640	377	3 405	120	5.41	7.4	
					④	490	288	3 410	116	5.28	7.6	
VJH0200XUNCS	K1G200AD3102	24	16...28	B	①	1040	612	3 500	110	5.16	7.7	-25...+70
					②	800	471	3 505	127	5.96	7.5	
					③	655	386	3 500	128	6.01	7.5	
					④	480	283	3 510	125	5.87	7.6	
VJH0200XUNCS	K1G200AD4904	48	36...57	C	①	1 090	640	3 650	120	3.56	7.8	-25...+60
					②	840	495	3 645	148	4.07	7.6	
					③	690	405	3 630	150	4.12	7.6	
					④	520	305	3 645	146	4.04	7.7	
VJH0200XUNCS	K1G200AD3702	48	36...57	D	①	1 245	730	4 140	183	5.96	8.1	-25...+70
					②	955	560	4 140	229	6.54	7.9	
					③	785	460	4 140	233	6.59	8.0	
					④	595	350	4 135	225	6.52	8.1	

Subject to changes.

Technical drawing

Dimensions in mm



VJH0200XUNES

DC diagonal module · max. 1 605 m³/h · □ 225 x 89 mm



Material/Surface

- Housing and support bracket: Plastic
- Impeller: Plastic

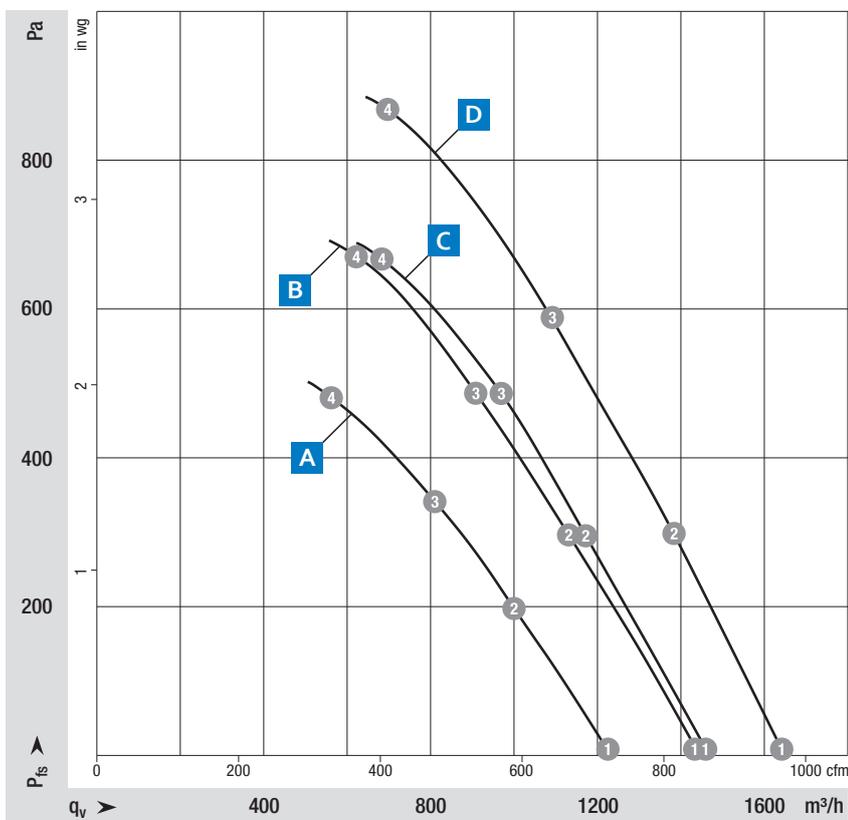
Characteristics

- Version: DC diagonal module, backward-curved, single inlet, with support bracket
- Direction of air flow: "V"
- Direction of rotation: clockwise, looking towards rotor
- Installation position: any
- Bearing: Maintenance-free ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class:
 - **A + C**: IP44, depending on installation and position
 - **B + D**: IP20, depending on installation and position
- Electrical protection class: III; requires supply with safety extra-low voltage SELV
- Weight: 2.3 kg

Approvals

- EAC;
- CCC on request (only applicable with >36V)
- **C**: UKCA

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more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

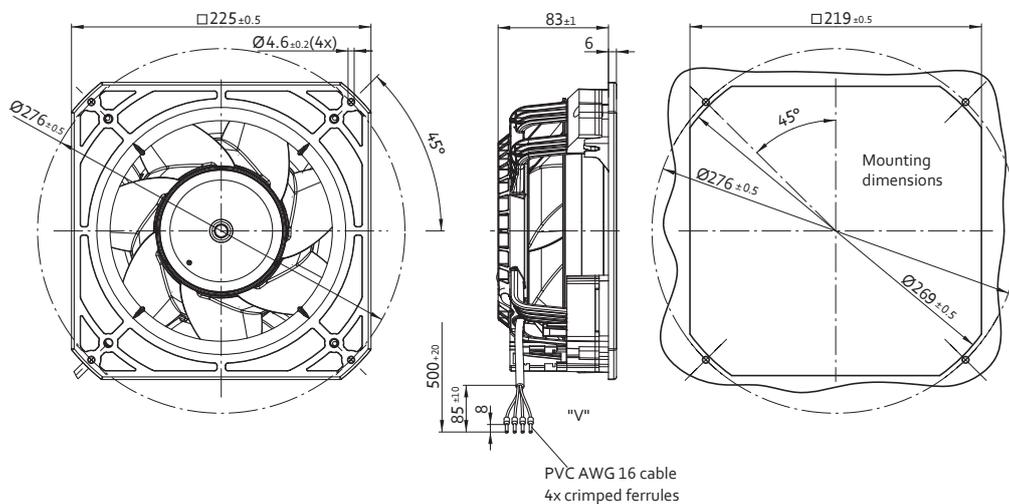
Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

Type	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Input current*	Sound power level	Perm. ambient temperature
		VDC	VDC			m ³ /h	cfm	rpm	W	A	Bel(A)	°C
VJH0200XUNES	K3G200BD4604	24	16...28	A	①	1 230	725	4 120	170	7.00	8.0	-25...+60
					②	1 005	590	4 025	180	7.52	7.7	
					③	820	485	4 005	187	7.80	7.6	
					④	575	335	4 045	187	7.78	7.8	
VJH0200XUNES	K3G200BD4402	24	16...28	B	①	1 445	850	4 830	275	11.50	8.4	-25...+60
					②	1 145	675	4 720	294	12.24	8.1	
					③	925	545	4 685	299	12.48	8.0	
					④	635	375	4 715	295	12.30	8.3	
VJH0200XUNES	K3G200BD6404	48	36...57	C	①	1 475	870	4 875	275	5.80	8.5	-25...+60
					②	1 165	685	4 745	299	6.30	8.2	
					③	930	545	4 715	306	6.40	8.2	
					④	690	405	4 740	303	6.30	8.4	
VJH0200XUNES	K3G200BDA802	48	36...57	D	①	1 605	945	5 350	380	8.00	8.6	-25...+60
					②	1 385	815	5 350	428	8.89	8.6	
					③	1 165	685	5 350	456	9.50	8.6	
					④	865	510	5 350	449	9.34	8.6	

Subject to changes. * Current measured at nominal voltage.

Technical drawing

Dimensions in mm



VWLK280X..., VWLK280H...

DC axial fans · max. 2 115 m³/h · Ø 250 mm



Material/Surface

- Fan housing: Metal
- Blades: Plastic
- Rotor: Thick-film passivated

Characteristics

- Version: DC axial fan HyBlade
- Direction of air flow: "V"
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Maintenance-free ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: Motor IP24 KM, Electronics IP6K9K (mating connector installed)*
- Electrical hookup: via terminal strip
- Electrical protection class: III; requires supply with safety extra-low voltage SELV
- Weight: 2.35 kg

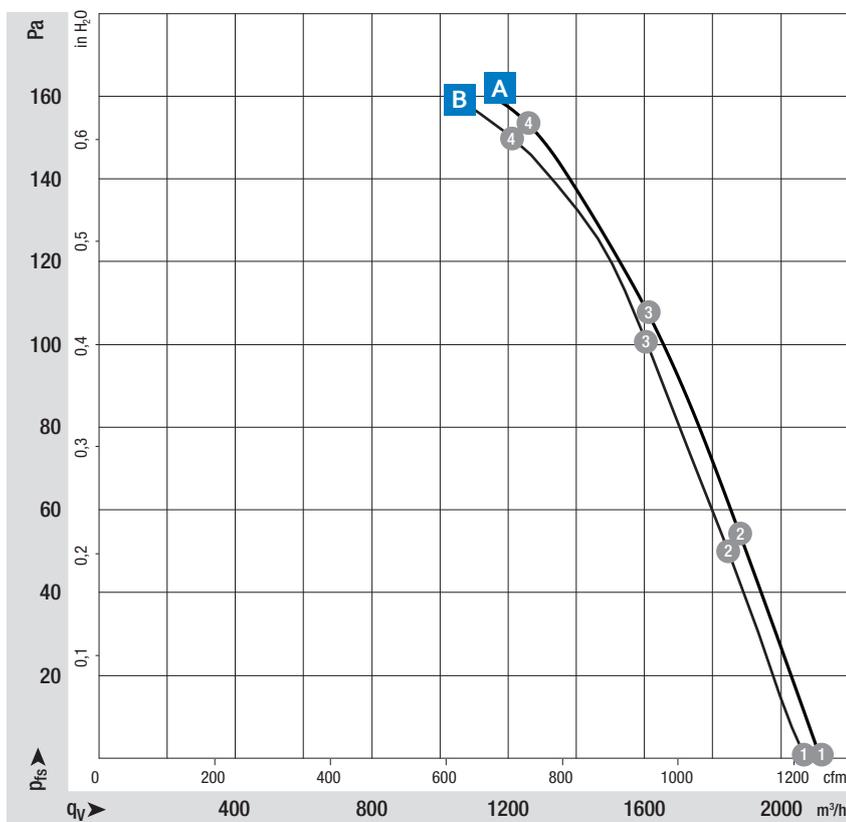
Approvals

- UL 507; CSA C22.2 Nr. 113; EAC; UKCA; CE; CCC on request (only applicable with >36V)

Note

- The IP protection is valid up to the motor connection side interface

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Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

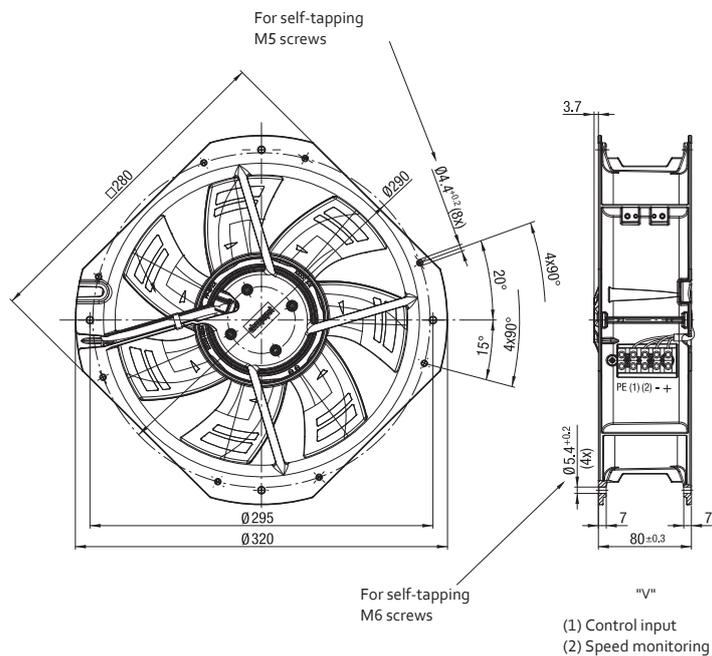
Noise: Total sound power level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

Type	Part number	Nominal voltage	Voltage range	Characteristic curve	Operating point	Air flow	Air flow	Speed	Power consumption	Input current*	Sound power level	Max. back-pressure	Perm. ambient temperature	
		VDC	VDC			m ³ /h	cfm							rpm
VWLK280XJNXS	W1G250HJ1402	24	16...28	A	①	2 115	1 245	3 135	135	5.93	-	140	-25...+60	
						②	1 880	1 105	2 975	139				6.21
						③	1 605	945	2 840	143				6.50
						④	1 255	740	2 760	148				6.77
VWLK280HKNXS	W1G250HJ2002	48	36...57	B	①	1 995	1 175	3 000	121	2.50	140	-25...+60		
						②	1 760	1 035	2 825	124			2.60	
						③	1 500	885	2 695	128			2.70	
						④	1 165	685	2 620	130			2.70	

Subject to changes. * Current measured at nominal voltage.

Technical drawing

Dimensions in mm



VVY0300H..., VWR0300X..., VMA0300X...

DC axial fan · max. 2 565 m³/h · Ø 300 mm



Material/Surface

- Finger guard: Steel, coated in plastic
- Fan housing: Sheet steel, coated in plastic
- Blades: Plastic

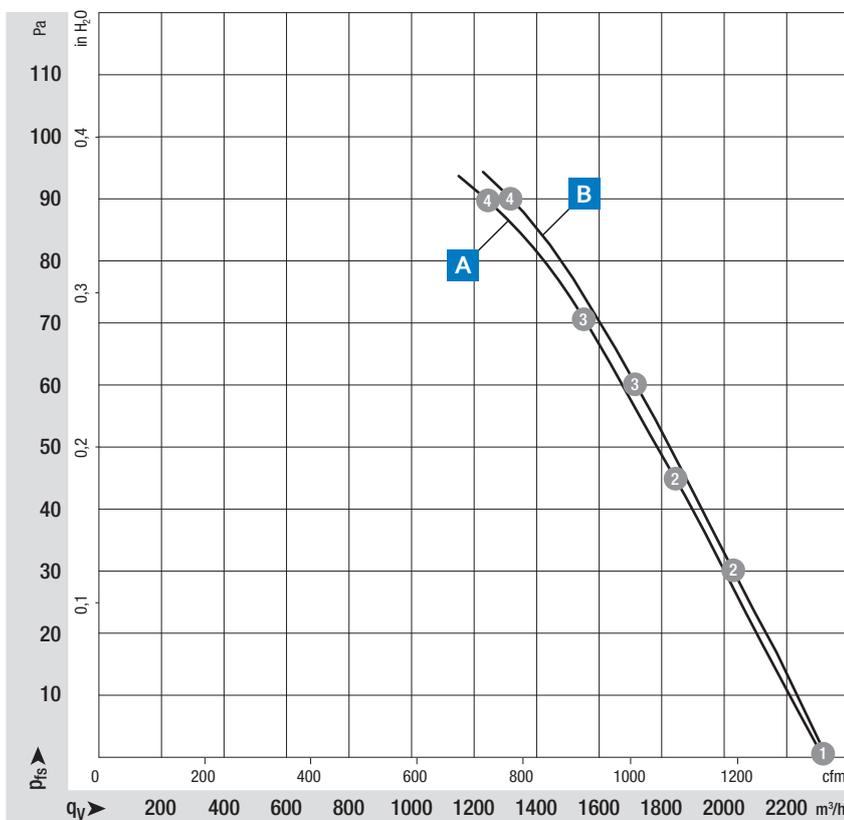
Characteristics

- Version: DC axial fan HyBlade in various versions, without attachments, with round full nozzle, with guard grill for short nozzle
- Direction of air flow: exhaust over flange
- Direction of rotation: counterclockwise, looking towards rotor
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP42
- Electrical hookup: cable AWG 20, 4
- Electrical protection class: III; requires supply with safety extra-low voltage SELV
- Weight: 1.8-3.8kg (depending on version)

Approvals

- DIN EN 62368-1; CSA C22.2 Nr. 100; EAC; UL 1004-1; CCC on request (only applicable with >36V)

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more at	www.ebmpapst.com



Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.

Noise: Total sound p_rwer level LWA ISO 10302 measured on a hemisphere with a radius of 2 m. Sound pressure level LpA measured at 1 m distance from fan axis. The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation from the standard configuration, the parameters must be checked after installation! For detailed information see <http://www.ebmpapst.com/general-conditions>

