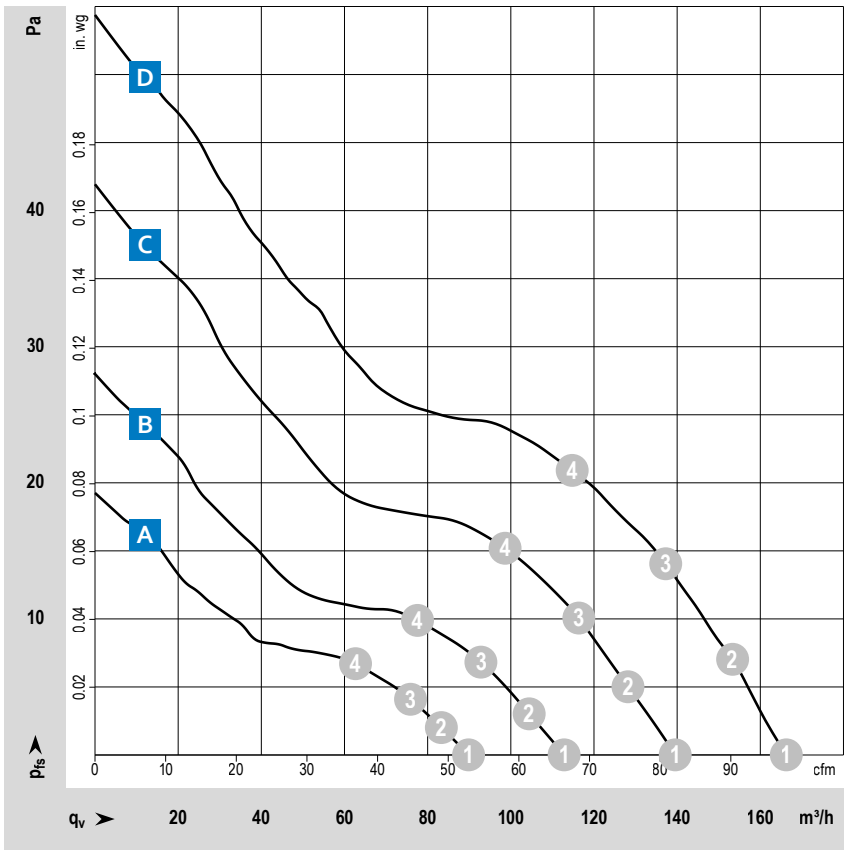
VWCD119F...

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



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 $p_s$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

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

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_{10PC} (40 °C) s. p. 11
		VDC	VDC			m³/h	cfm	rpm	W	Bel(A)	dB(A)	°C	Hours	Hours
VWCD119FHGJS 4412 FGL	**9293505438**	**12**	7...14	A	1 2 3 4	90 83 75 64	53 49 44 38	1 600 1 570 1 540 1 500	0.9 1.0 1.0 1.0	4.1 4.0 4.0 3.9	26	-20...+75	80 000	135 000
VWCD119FHGJS 4412 FGML	**9293505434**	**12**	7...12.6	B	1 2 3 4	113 104 94 78	67 61 55 46	1 950 1 920 1 880 1 840	1.7 1.8 1.8 1.9	4.6 4.6 4.5 4.4	32	-20...+75	75 000	127 500
VWCD119FHGJS 4412 FML	**9293505464**	**12**	7...12.6	B	1 2 3 4	105 97 88 75	62 57 52 44	1 950 1 910 1 880 1 840	1.7 1.7 1.7 1.8	4.6 4.6 4.5 4.4	32	-20...+75	75 000	127 500
VWCD119FHGKS 4412 FGM	**9293505435**	**12**	7...12.6	C	1 2 3 4	139 127 114 96	82 75 67 57	2 400 2 350 2 280 2 210	2.6 2.7 2.7 2.8	5.3 5.2 5.1 5.1	38	-20...+75	70 000	117 500
VWCD119FHGKS 4412 FM	**9293505409**	**12**	7...12.6	C	1 2 3 4	140 128 116 98	82 75 68 58	2 400 2 340 2 290 2 220	3.2 3.3 3.4 3.5	5.3 5.2 5.1 5.1	38	-20...+75	70 000	117 500
VWCD119FHGLS 4412 F	**9293505444**	**12**	8...12.6	D	1 2 3 4	159 147 132 111	94 87 78 65	2 900 2 830 2 760 2 690	4.9 5.0 5.1 5.2	5.6 5.5 5.5 5.5	43	-20...+60	60 000	102 500
VWCD119FJGJS 4414 FL	**9293505528**	**24**	18...28	A	1 2 3 4	90 83 76 64	53 49 45 38	1 600 1 570 1 540 1 500	1.1 1.1 1.1 1.2	4.1 4.0 4.0 3.9	26	-20...+75	80 000	135 000
VWCD119FJGKS 4414 FM	**9293505407**	**24**	12...28	C	1 2 3 4	131 122 110 93	77 72 65 55	2 400 2 340 2 290 2 250	2.5 2.6 2.7 2.7	5.3 5.2 5.1 5.1	38	-20...+75	70 000	117 500
VWCD119FJGLS 4414 F	**9293505405**	**24**	12...28	D	1 2 3 4	159 147 131 111	94 87 77 65	2 900 2 830 2 750 2 700	4.3 4.4 4.5 4.6	5.6 5.5 5.5 5.5	43	-20...+60	60 000	102 500
VWCD119FKGLS 4418 F	**9293505449**	**48**	28...53	D	1 2 3 4	159 147 132 111	94 87 78 65	2 900 2 840 2 760 2 700	4.6 4.7 4.9 5.0	5.6 5.5 5.5 5.5	43	-20...+60	60 000	102 500

Subject to changes.

Technical drawing

Dimensions in mm

