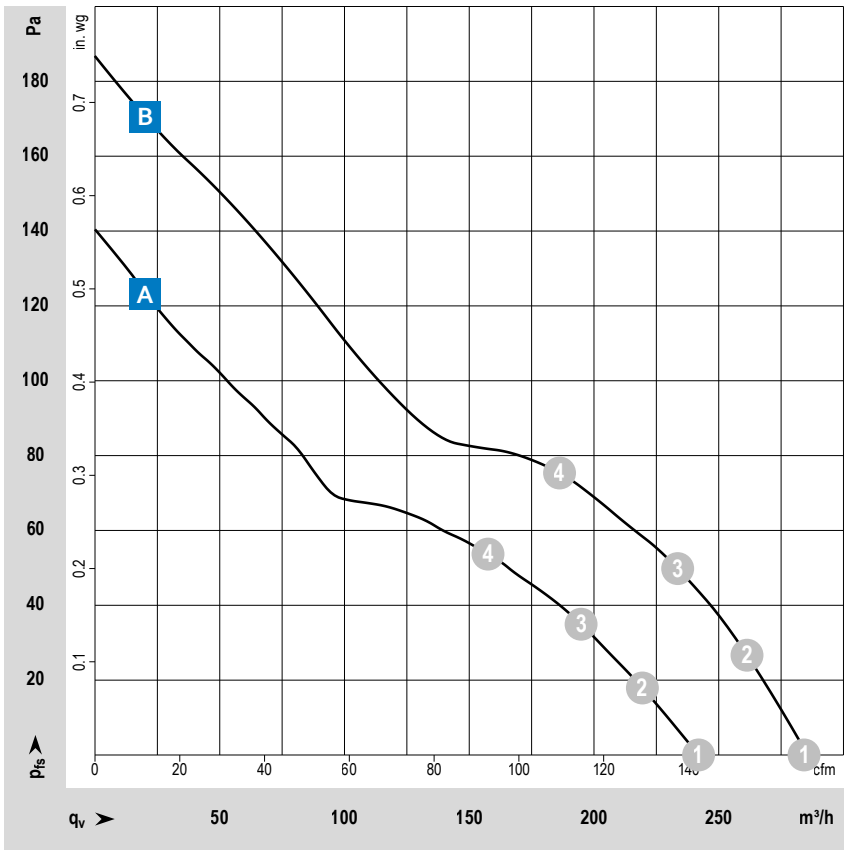
VWCF119A...

DC axial fan · max. 286 m³/h · ☐ 119 x 38 mm



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



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

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

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
VWCF119AHGMS 4412 H	**9293510500**	**12**	7...14	A	1 2 3 4	242 220 195 158	142 129 115 93	4 300 4 180 4 070 3 950	7.5 8.1 8.7 9.4	6.7 6.5 6.4 6.1	50	-20...+70	57 500	97 500
VWCF119AHGNS 4412/2 HHP	**9693530182**	**12**	7...14.5	B	1 2 3 4	272 254 233 189	160 149 137 111	5 000 5 000 5 000 4 890	10.8 12.7 14.5 15.8	6.8 6.7 6.6 6.6	55	-20...+70	50 000	85 000
VWCF119AJGMS 4414 H	**9293510502**	**24**	18...28	A	1 2 3 4	243 220 196 158	143 129 115 93	4 300 4 190 4 080 3 970	7.1 7.6 8.2 8.9	6.7 6.5 6.4 6.1	50	-20...+70	57 500	97 500
VWCF119AJGNS 4414 HH	**9293510524**	**24**	16...28	B	1 2 3 4	281 254 226 179	165 149 133 105	5 000 4 870 4 740 4 590	12.8 13.8 14.7 15.8	6.8 6.7 6.6 6.5	55	-20...+70	50 000	85 000
VWCF119AJGNS 4414/2 HHP	**9693530183**	**24**	18...28	B	1 2 3 4	286 263 234 187	168 155 138 110	5 000 4 950 4 840 4 690	11.3 12.7 13.7 14.5	6.8 6.7 6.6 6.6	55	-20...+70	50 000	85 000
VWCF119AKGMS 4418 H	**9293510504**	**48**	36...60	A	1 2 3 4	242 220 195 157	142 129 115 92	4 300 4 180 4 070 3 960	7.1 7.7 8.3 9.0	6.7 6.5 6.4 6.1	50	-20...+70	57 500	97 500
VWCF119AKGNS 4418/2 HHP	**9693530180**	**48**	36...60	B	1 2 3 4	279 259 232 189	164 152 137 111	5 000 4 990 4 880 4 740	10.9 12.4 13.2 14.3	6.8 6.7 6.6 6.6	55	-20...+70	50 000	85 000

Subject to changes.

Technical drawing

Dimensions in mm

