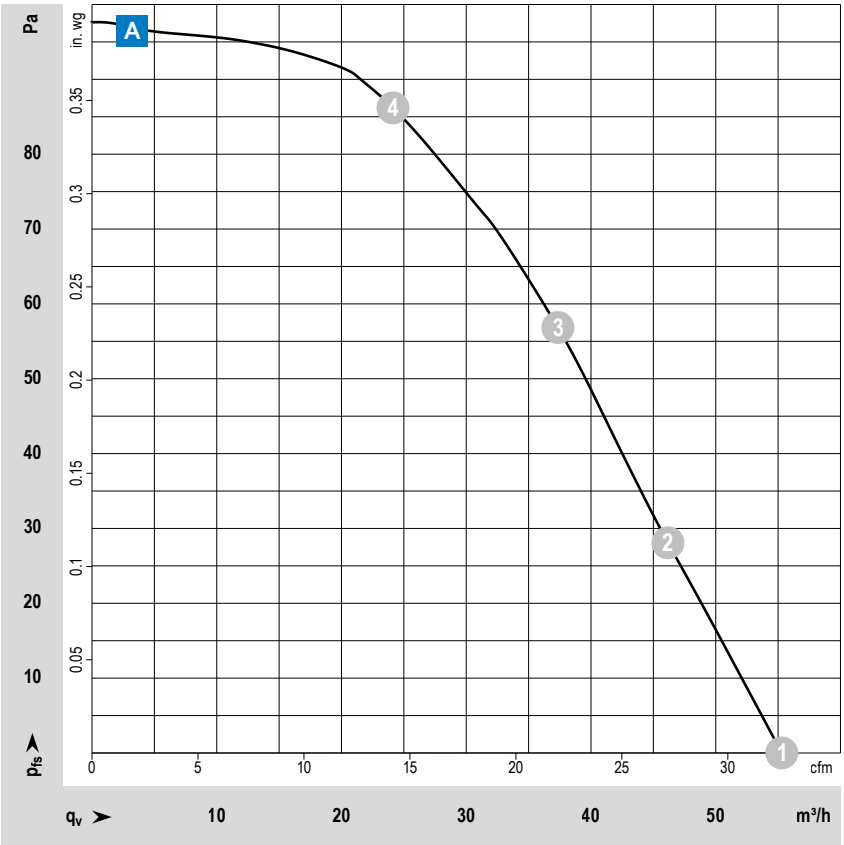
VHS0090XUJBS

DC centrifugal fans · max. 56 m³/h · ☐ 135 x 38 mm



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



Material/Surface

- Scroll housing: Plastic
- Impeller: Plastic
- Base plate: Sheet steel

Characteristics

- Version: Centrifugal fan in 12VDC, 24VDC or 48VDC with forward-curved impeller; compact and powerful
- Direction of air flow: axial: intake; centrifugal: exhaust
- Installation position: any
- Bearing: Ball bearings
- Operating mode: Continuous operation (S1)
- IP protection class: IP20
- Electrical hookup: single wires AWG 22; 48 V type: Flat plug; 6,3 x 0,8 mm for ground conductor
- Electrical protection class: III
- Weight: 440 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: IP 54 / IP 68

Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.
Noise: Total sound $p_A$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	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)	°C	Hours	Hours
VHS0090XUJBS RG 90-18/12 N	**9594310201**	**12**	7...15	A	1	56.0	33.0	2 200	6.8	6.1	-30...+75	62 500	105 000
					2	47.4	27.9	2 350	6.2	6.0			
					3	38.5	22.7	2 530	5.5	5.8			
					4	25.0	14.7	2 850	4.4	5.6			
VHS0090XUJBS RG 90-18/14 N	**9594310200**	**24**	12...28	A	1	55.0	32.4	2 200	6.0	6.1	-30...+75	62 500	105 000
					2	46.1	27.1	2 350	5.4	6.0			
					3	37.4	22.0	2 480	4.8	5.7			
					4	24.1	14.2	2 750	3.8	5.6			
VHS0090XUJBS RG 90-18/18 N	**9594310202**	**48**	36...56	A	1	56.0	33.0	2 200	5.9	6.1	-30...+75	62 500	105 000
					2	46.5	27.4	2 340	5.3	6.0			
					3	37.2	21.9	2 490	4.7	5.7			
					4	24.0	14.1	2 740	3.8	5.6			

Subject to changes.

Technical drawing

Dimensions in mm

