

# VHS0090XUJBS

DC centrifugal fans · max. 56 m<sup>3</sup>/h · □ 135 x 38 mm



## 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; 48V type: Flat plug; 6,3 x 0,8 mm for ground conductor
- Electrical protection class: III
- Weight: 440 g

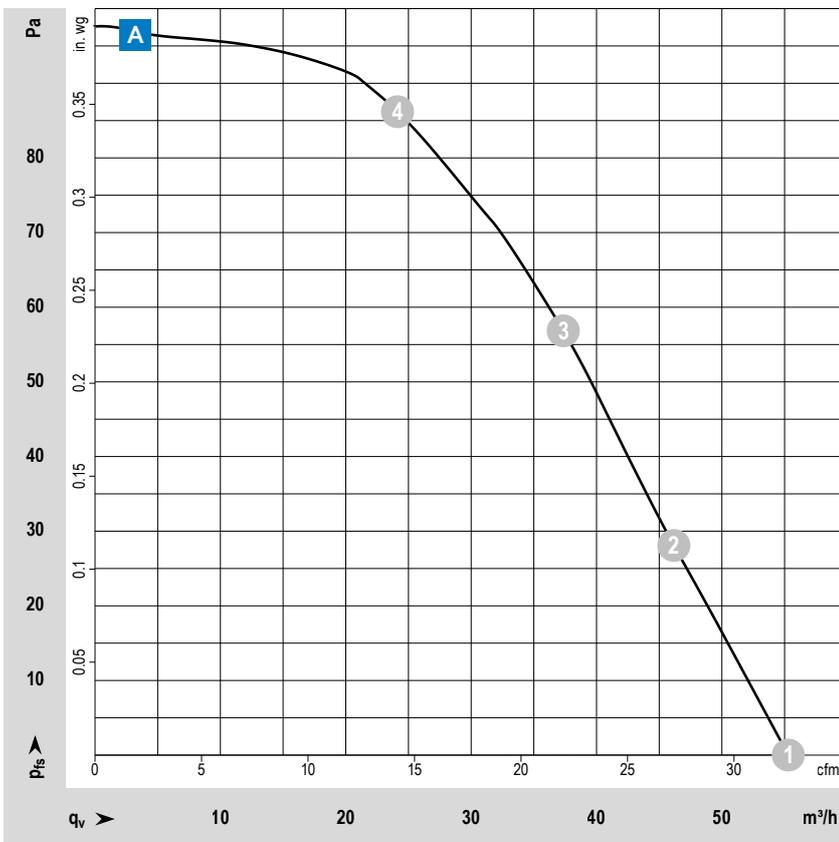
## Approvals

- 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

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from page 350	Accessories
more at	<a href="http://www.ebmpapst.com">www.ebmpapst.com</a>



### Measuring conditions

Air performance measured according to: ISO 5801. Installation category A, without contact protection.  
 Noise: Total sound p<sub>r</sub>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 <sub>10</sub> (40 °C) ebm-papst standard	Life expectancy L <sub>10</sub> PC (40 °C) s.p. II
		VDC	VDC			m <sup>3</sup> /h	cfm						
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
						47.4	27.9	2 350	6.2	6.0			
						38.5	22.7	2 530	5.5	5.8			
						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
						46.1	27.1	2 350	5.4	6.0			
						37.4	22.0	2 480	4.8	5.7			
						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
						46.5	27.4	2 340	5.3	6.0			
						37.2	21.9	2 490	4.7	5.7			
						24.0	14.1	2 740	3.8	5.6			

Subject to changes.

## Technical drawing

Dimensions in mm

