

Max. 55 m<sup>3</sup>/h

# DC centrifugal fans

□ 135 x 38 mm



- **Material:** Scroll housing: GRP<sup>1)</sup>  
Impeller: GRP<sup>1)</sup>  
Base plate: Sheet steel
  - **Direction of air flow:** Axial: Intake,  
Centrifugal: Exhaust
  - **Connection:** Via single wires AWG 22, TR 64  
48 V model: Flat plug  
6.3 x 0.8 mm for ground conductor
  - **Highlights:** Forward-curved impeller
  - **Weight:** 440 g
- **Possible special versions:**  
(See chapter DC fans - specials)
    - 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

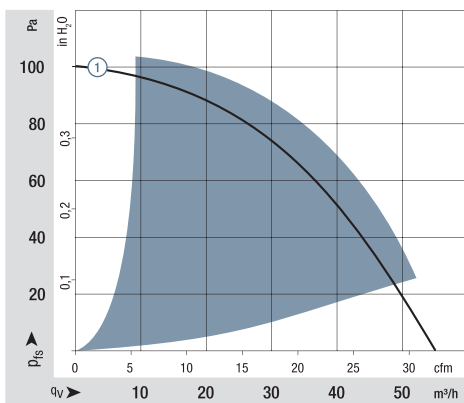
1) Fiberglass-reinforced plastic

Series RG 90 N  
VHS0090XUJBS

**Nominal data**

Type	Air flow		Nominal voltage	Voltage range		Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst standard	Life expectancy L <sub>10</sub> IPC (40 °C) see page 15	Curve
	m <sup>3</sup> /h	cfm		VDC	VDC									
RG 90-18/12 N	55	32.4	12	7...15	5.5	■	6.7	2 200	-30...+75	62 500 / 27 500	105 000	①		
RG 90-18/14 N	55	32.4	24	12...28	5.5	■	6.2	2 200	-30...+75	62 500 / 27 500	105 000	①		
RG 90-18/18 N	55	32.4	48	36...56	5.5	■	6.1	2 200	-30...+75	62 500 / 27 500	105 000	①		

Subject to change



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 10302 measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>pA</sub> 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>

