Max. 55 m³/h

DC centrifugal fans

☐ 135 x 38 mm



- **Material:** Scroll housing: GRP[1)]
  Impeller: GRP[1)]
  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

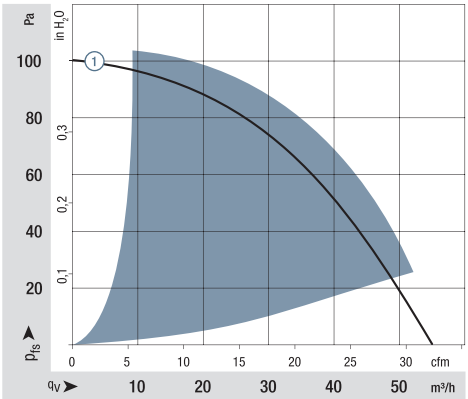
1) Fiberglass-reinforced plastic

Series RG 90 N
VHS0090XUJBS

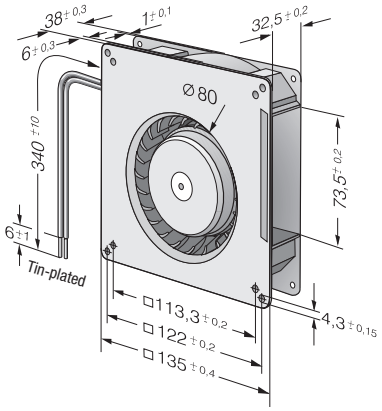
Nominal data

Type	Air flow m³/h	Air flow cfm	**Nominal voltage VDC**	Voltage range VDC	Sound power level Bel(A)	Sintec sleeve bearings / Ball bearings □/■	Power consumption Watts	Nominal speed rpm⁻¹	Temperature range °C	Service life L_{10} (40 °C) ebm-papst standard / Service life L_{10} (T_{max}) ebm-papst standard Hours	Life expectancy L_{10IPC} (40 °C) see page 15 Hours	Curve
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_{WA} ISO 10302 measured on a hemisphere with a radius of 2 m.
Sound pressure level L_{pA} 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



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