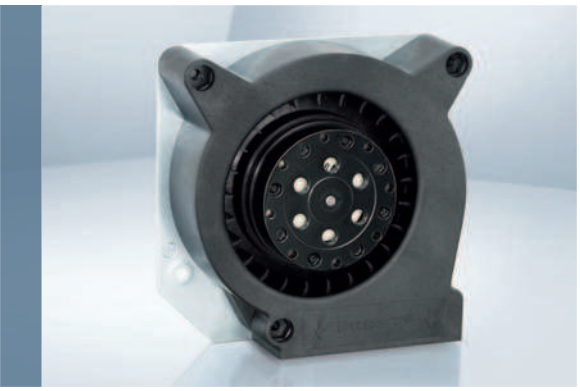
Max. 42 m³/h

AC centrifugal fans

☐ 121 x 37 mm



- **Material:** Scroll housing: GRP[1] (PBT)
  Impeller: GRP[1] (PA)
  Housing base: Sheet steel
- **Direction of air flow:** Centrifugal: discharge through window in housing
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** Via 2 single wires; housing base with flat plugs 6.3 x 0.8 mm for ground conductor
- **Highlights:** Forward-curved impeller
- **Weight:** 680 g

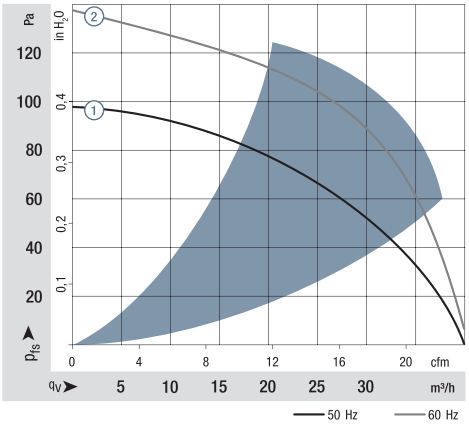
- **Possible special versions:**
  (See page 10)
  - Moisture protection
  - Salt spray protection
  - Degree of protection: IP 54

1) Fiberglass-reinforced plastic

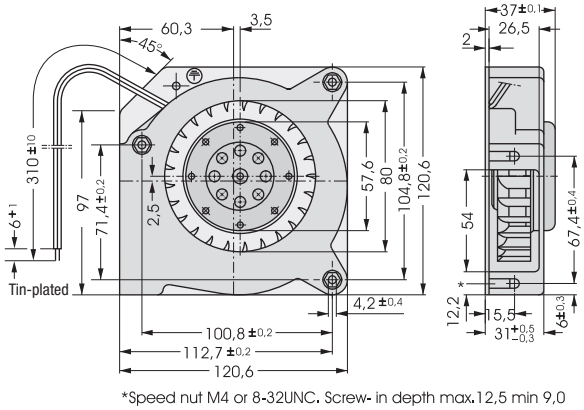
Series RL 90 VHS0090XQHCS **Nominal data**	Air flow	Air flow	**Nominal voltage**	**Frequency**	Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L_{10} at 40 °C	at T_{max}	Curve
Type	**m³/h**	**cfm**	**VAC**	**Hz**	**Bel(A)**	**□ / ■**	**Watts**	**rpm⁻¹**	**°C**	**Hours**	**Hours**	
RL 90-18/50	40	23.5	**230**	**50**	5.6	□	20.0	2 450	-10...+50	37 500 / 30 000		①
RL 90-18/56	40	23.5	**230**	**50**	5.6	■	20.0	2 450	-30...+70	37 500 / 20 000		①
RL 90-18/00	42	24.7	**115**	**60**	6.0	□	19.5	2 550	-10...+60	37 500 / 25 000		②
RL 90-18/06	42	24.7	**115**	**60**	6.0	■	19.5	2 550	-30...+85	37 500 / 15 000		②

Subject to change

Fan type		Connection wires
RL 90-18/50	RL 90-18/00	AWG 18, TR 32
RL 90-18/56	RL 90-18/06	AWG 22



Air performance measured according to: ISO 5801.
Installation category A, without contact protection.
Noise: Total sound power level L_{WA} ISO 10302measured 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. described measurement set-up and may vary depending on the installation situation.
For detailed information see http://www.ebmpapst.com/general conditions



*Speed nut M4 or 8-32UNC. Screw- in depth max.12,5 min 9,0

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