

Max. 42 m³/h

AC centrifugal fans

□ 121 x 37 mm



- **Material:** Scroll housing: GRP¹⁾ (PBT)
Impeller: GRP¹⁾ (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 12)
- Moisture protection
- Salt spray protection
- Degree of protection: IP 54

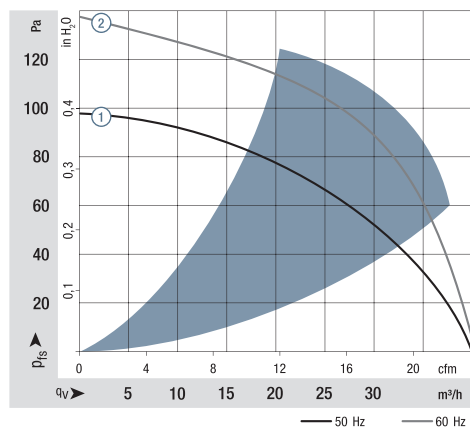
1) Fiberglass-reinforced plastic

Series RL 90

Nominal data	Air flow	Air flow	Nominal voltage	Frequency	Sound power level	Sinter 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_{wp} ISO 103002 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, described measurement set-up and may vary depending on the installation situation.
For detailed information see <http://www.ebmpapst.com/general-conditions>

