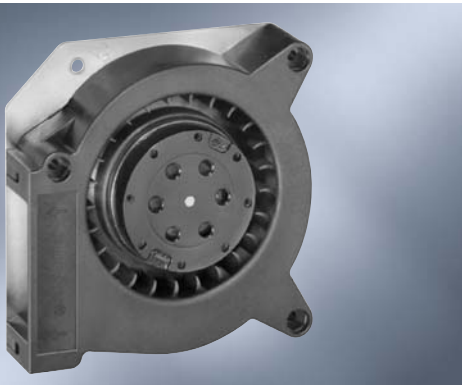


AC Radial Fans

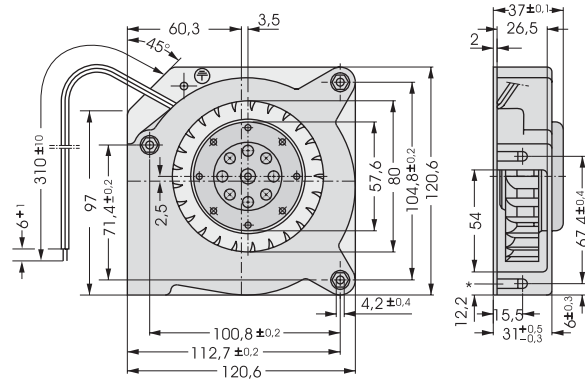
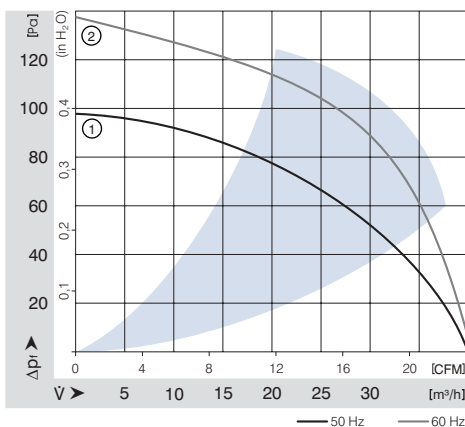
Series RL 90 121 x 121 x 37 mm



- AC radial blower with external rotor shaded-pole motor. Impedance protected against overloading.
- Spiral housing and blower wheel of fibreglass-reinforced plastic. Housing base of galvanised steel plate.
- Air exhaust radial, through housing port. Rotational direction CW looking at rotor.
- Electrical connection via 2 leads. Stripped and tinned ends.
- Mass 680 g.

Nominal Data	Air Flow		Nominal Voltage	Frequency	Noise	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀		Curve
	m ³ /h	CFM								Hours	at t _{max}	
Type	m ³ /h	CFM	V	Hz	Bel	□/■	Watt	min ⁻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

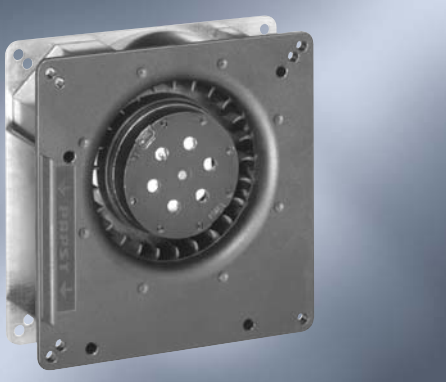
Fan Type		Lead Wires
RL 90-18/50	RL 90-18/00	AWG 18, TR 32
RL 90-18/56	RL 90-18/06	AWG 22



*Speed nut M4 or 8-32UNC. Screw-in depth max, 12.5 min 9.0

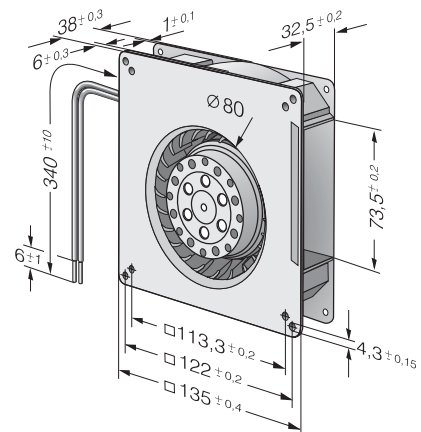
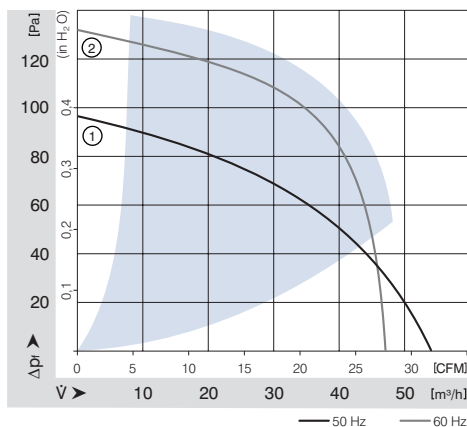
AC Radial Fans

Series RG 90 135 x 135 x 38 mm



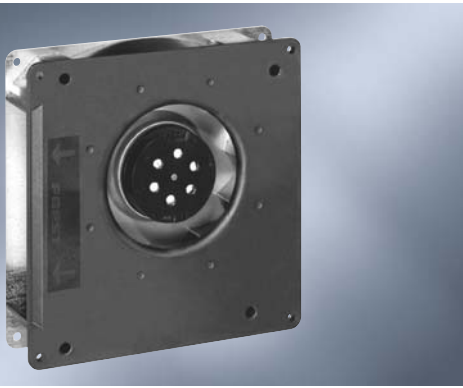
- AC radial blower with external rotor shaded-pole motor. Impedance protected against overloading.
- Spiral housing and blower wheel of fibreglass-reinforced plastic. Housing base of galvanised steel plate.
- Air exhaust radial, through housing port. Rotational direction CW looking at rotor.
- Electrical connection via 2 leads AWG 22. Stripped and tinned ends.
- Mass 560 g.

Nominal Data		Air Flow	Air Flow	Nominal Voltage	Frequency	Noise	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀ at 40 °C	at t _{max}	Curve
Type		m ³ /h	CFM	V	Hz	Bel	□/■	Watt	min ⁻¹	°C	Hours	Hours	
RG 90-18/50		54	31.8	230	50	5.8	□	22.0	2 200	-30...+60	35 000 / 20 000		1
RG 90-18/56		54	31.8	230	50	5.8	■	22.0	2 200	-30...+60	35 000 / 20 000		1
RG 90-18/00		47	27.7	115	60	6.2	□	22.0	1 900	-30...+65	35 000 / 20 000		2
RG 90-18/06		47	27.7	115	60	6.2	■	22.0	1 900	-30...+65	35 000 / 20 000		2



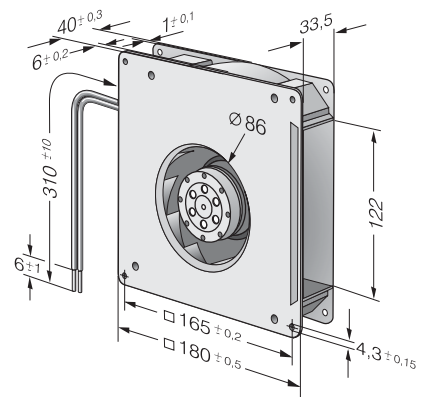
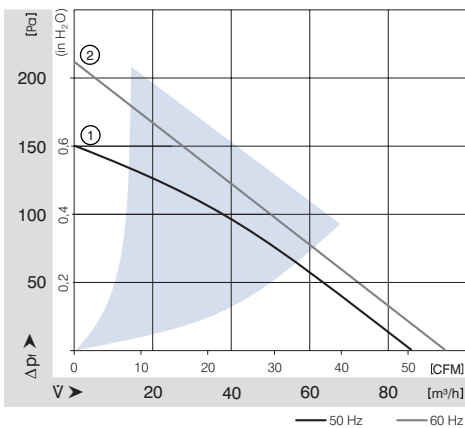
AC Radial Fans

Series RG 125 180 x 180 x 40 mm



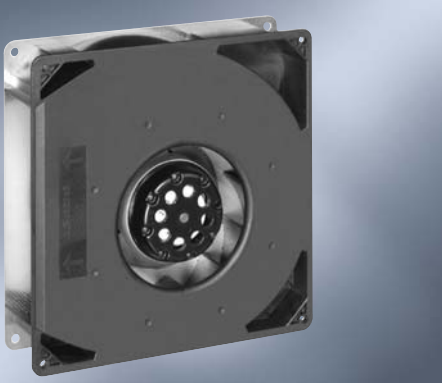
- AC radial blower with external rotor shaded-pole motor. Impedance protected against overloading.
- Spiral housing and blower wheel of fibreglass-reinforced plastic. Housing base of galvanised steel plate.
- Air exhaust radial, through housing port. Rotational direction CW looking at rotor.
- Electrical connection via 2 leads AWG 22. Stripped and tinned ends.
- Mass 850 g.

Nominal Data		Air Flow	Air Flow	Nominal Voltage	Frequency	Noise	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀ at 40 °C	at t _{max}	Curve
Type		m ³ /h	CFM	V	Hz	Bel	□ / ■	Watt	min ⁻¹	°C	Hours	Hours	
RG 125-19/56		86	50.6	230	50	5.8	■	20.0	2 550	-30...+70	37 500 / 20 000		1
RG 125-19/06		94	55.3	115	60	6.0	■	19.0	2 750	-30...+80	40 000 / 15 000		2



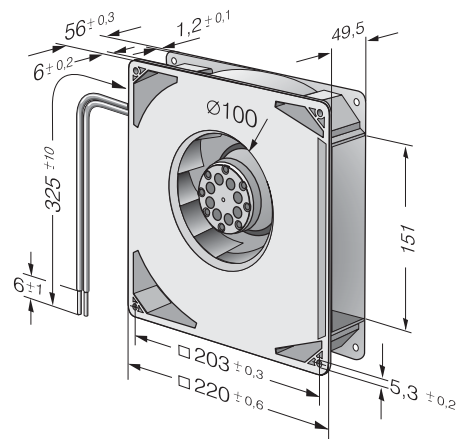
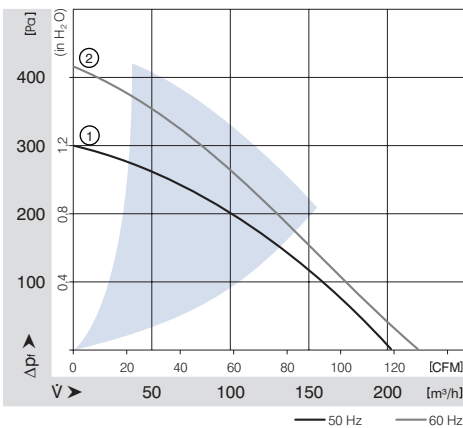
AC Radial Fans

Series RG 160 220 x 220 x 56 mm



- AC radial blower with external rotor shaded-pole motor. Thermal contactor as protection against thermal overloading.
- Spiral housing and blower wheel of fibreglass-reinforced plastic. Housing base of galvanised steel plate.
- Air exhaust radial, through housing port. Rotational direction CCW looking at rotor.
- Electrical connection via leads AWG 18. Stripped and tinned ends.
- Mass 1.7 kg.

Nominal Data		Air Flow	Air Flow	Nominal Voltage	Frequency	Noise	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀ at 40 °C	at t _{max}	Curve
Type		m ³ /h	CFM	V	Hz	Bel	□/■	Watt	min ⁻¹	°C	Hours	Hours	
RG 160-28/56S		202	118.9	230	50	6.6	■	47.0	2 750	-30...+70	30 000 / 15 000		1
RG 160-28/06S		223	131.3	115	60	6.9	■	50.0	3 050	-30...+80	27 500 / 12 500		2



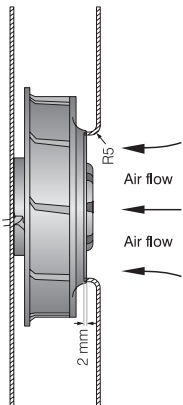
AC Radial Fans

Series RER 125 138 Ø x 40 mm

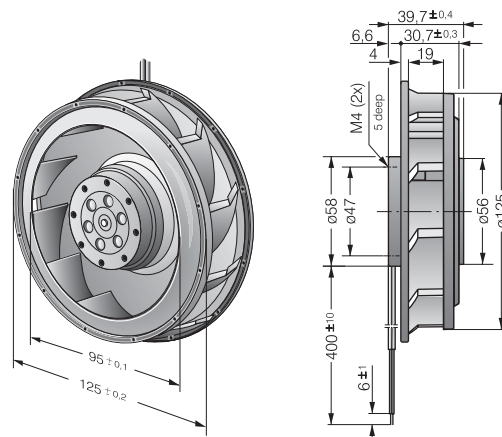
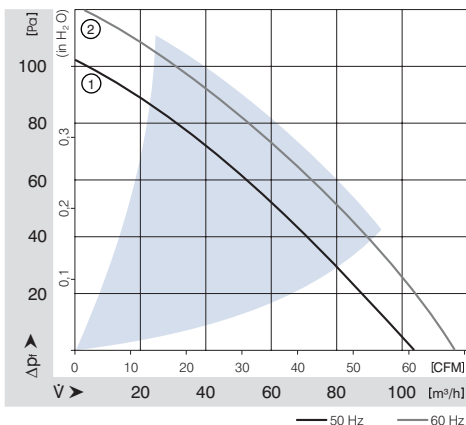


- AC radial blower with external rotor shaded-pole motor. Impedance protected against overloading.
- Blower wheel of fibreglass-reinforced plastic, with steel plate reinforced.
- Air exhaust radial. Rotational direction CW looking at rotor.
- Electrical connection via leads AWG 22. Stripped and tinned ends.
- Mass 500 g.

Nominal Data	Air Flow		Nominal Voltage	Frequency	Noise	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀ at 40 °C		Curve
	m ³ /h	CFM								V	Hz	
RER 125-19/56	104	61.2	230	50	6.2	■	19.0	2 600	-30...+60	37 500 / 22 500	1	
RER 125-19/06	115	67.7	115	60	6.5	■	18.0	2 850	-30...+70	40 000 / 20 000	2	



The air flow and noise level of fans without external housing depend on the installation conditions. The stated air flow and noise levels have been measured under the following conditions:
Centrifugal fan mounted on a base plate 220 x 220 mm. Cover plate 220 x 220 mm with an air-inlet of Ø 86 mm, concentric to the blower wheel.



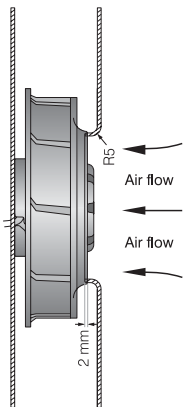
AC Radial Fans

Series RER 160 176 Ø x 54 mm



- AC radial blower with external rotor shaded-pole motor. Impedance protected against overloading.
- Blower wheel of fibreglass-reinforced plastic, with steel plate reinforced.
- Air exhaust radial. Rotational direction CCW looking at rotor.
- Electrical connection via leads AWG 18. Stripped and tinned ends.
- Mass 1000 g.

Nominal Data	Air Flow		Nominal Voltage	Frequency	Noise	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀ at 40 °C		Curve
	m ³ /h	CFM								V	Hz	
RER 160-28/56S	234	137.7	230	50	6.6	■	45.0	2 800	-30...+60	30 000 / 20 000		1
RER 160-28/06S	274	161.3	115	60	6.8	■	46.0	3 250	-30...+70	30 000 / 15 000		2



The air flow and noise level of fans without external housing depend on the installation conditions. The stated air flow and noise levels have been measured under the following conditions:
Centrifugal fan mounted on a base plate 260 x 260 mm. Cover plate 260 x 260 mm with an air-inlet of Ø 100 mm, concentric to the blower wheel.

