## RR 200



## RRK 200



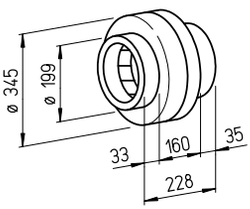
Alternative in corrosion-resistant and impact-resistant plastic casing.

## SVR 200



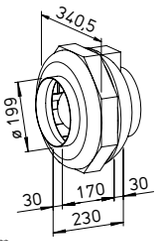
SlimVent – Slimline space saver with retractable motor-impeller unit.

## Dimensions RR 200



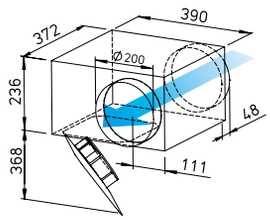

Dim. in mm

## Dimensions RRK 200




Dim. in mm

## Dimensions SVR 200




Dim. in mm

**For the delivery of medium and small air volumes against high resistances.**
Specifically designed for direct insertion in duct systems. High pressure performance for overcoming friction losses, deflection losses and aggregate resistances.
For various applications in commercial, industrial and residential areas.

### Special features

- ☐ Low space requirement and installation costs due to linear throughflow.
- ☐ No need for elaborate deflectors.
- ☐ Connectors on inlet and outlet side correspond to standard duct Ø.
- ☐ Performance adjustment through 100% speed control.
- ☐ Can be used in any position.
- ☐ Wide range of accessories.
- ☐ Aerodynamically optimised casing design.

### Common features

**Motor**
Enclosed, ball bearing mounted external rotor motor with humidity protection, insulation class F, for continuous operation and maintenance-free.

**Motor protection**
Through built-in thermal contacts wired in series to the winding, automatic deactivation and reactivation after cooling.

**Installation**
No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation (exception: SVR must not be installed with the retractable motor-impeller unit upward). Installation in duct system, preferably away from the room to be ventilated for less noise.

**Noise**
See page 400.

### Description RR

**Casing**
Made of galvanised steel sheet, robust for harsh operating conditions. Inlet and outlet side connection dimensions correspond to standard duct Ø.

**Power control**
From 0 – 100 % possible using electronic controller or step transformer (see table).
Two level operation with type RR 200 A using Type DS 2/2 (Accessories).
**DS 2/2** Ref. no. 01267

**Electrical connection**
Terminal box (IP54) on outside of casing.

**Impeller**
Centrifugal, with backward curved blades made of plastic. Directly pressed on motor and dynamically balanced as a unit. Low-noise, high level of efficiency.

**Protection category**
Protection category IP44 through inlet and outlet-side installation in a duct system which prevents the ingress of rainwater.

### Description RRK

**Casing**
All components made of corrosion-resistant and impact-resistant plastic. Six built-in guide blades additionally increase the level of efficiency. Colour: Silver-grey.

**Power control**
From 0 – 100 % possible using electronic controller or step transformer (see table).

**Electrical connection**
Terminal box (IP44) on outside of casing.

**Impeller**
Centrifugal, with backward curved blades made of plastic. directly pressed on motor and dynamically balanced as a unit. Low-noise, high level of efficiency.

**Protection category**
IP44

### Description SVR

**Casing**
Flat casing in compact design made of galvanised steel sheet. Connectors and lip seal on inlet and outlet side for standard duct Ø.
The retractable motor-impeller unit allows inspection and cleaning without dismantling components. The swivelling range must be considered for the inspection opening.

**Power control**
From 0 – 100 % possible using electronic controller or step transformer (see table).

**Electrical connection**
Terminal box (IP54) mounted to external cable.

**Impeller**
Energy-saving centrifugal impeller with backward curved blades made of high-quality plastic. Dynamically balanced for low-noise operation.

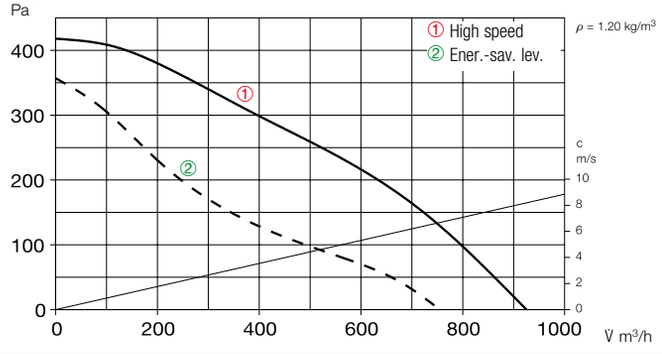
**Protection category**
IP44 with connected duct system.

| Type | Ref. no. | Flow rate Free blowing | Rated speed | Sound press. case radiation | Power consum. | Power consump. at rated voltage | Power consump. with control | Wiring diagram | Max air flow temp. at rated voltage | Max air flow temp. with control | Wgt net aprx. | Transformer speed controller 5-step Type | Ref. no. | Electronic[2] Speed controller, cont. var. flush-mount. / surf-mount. Type | Ref. no. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | V m³/h | min⁻¹ | dB(A) in 1 m | W | A | A | No. | + °C | + °C | kg | | | | |
| **Type RR, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44 (Type RR 200 B, IP33)** | | | | | | | | | | | | | | | |
| **RR 200 A[1]** | 05658 | 960[1]/760 | 2630[1]/1980 | 43 | 129[1]/85 | 0.57[1]/0.38 | 0.57 | 934.1 | 60 | 60 | 4.2 | **TSW 1.5** | 01495 | **ESU 1 / ESA 1** | 00236 / 00238 |
| **RR 200 B** | 05659 | 980 | 2750 | 44 | 145 | 0.63 | 0.78 | 508 | 70 | 60 | 5.0 | **TSW 1.5** | 01495 | **ESU 1 / ESA 1** | 00236 / 00238 |
| **Type RRK, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP44** | | | | | | | | | | | | | | | |
| **RRK 200** | 05977 | 870 | 2370 | 38 | 95 | 0.41 | 0.41 | 508 | 70 | 60 | 3.4 | **TSW 1.5** | 01495 | **ESU 1 / ESA 1** | 00236 / 00238 |
| **Type SVR, Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, IP33** | | | | | | | | | | | | | | | |
| **SVR 200 K** | 02673 | 980 | 2730 | 57 | 154 | 0.67 | 0.81 | 508 | 70 | 50 | 8.4 | **TSW 1.5** | 01495 | **ESU 1 / ESA 1** | 00236 / 00238 |

[1] Type with high speed; with additional energy-saving level as standard (see performance diagram).
[2] Transformer control units must be provided in noise-relevant cases. Electronic phase angle control can cause disturbing magnetisation humming.

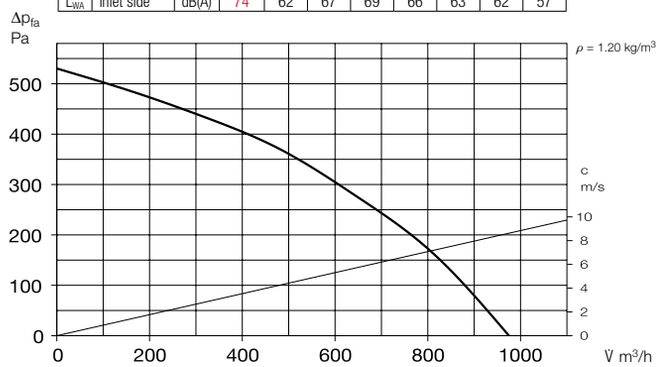
## Performance curves RR 200 A

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Radiation | dB(A) | 50 | 31 | 40 | 46 | 46 | 40 | 38 | 31 |
| $L_{WA}$ | Inlet side | dB(A) | 74 | 61 | 68 | 69 | 64 | 66 | 64 | 56 |



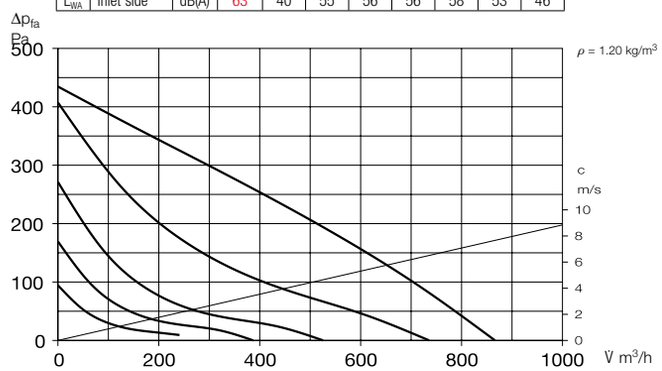

## Performance curves RR 200 B

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Radiation | dB(A) | 52 | 34 | 41 | 46 | 48 | 44 | 44 | 35 |
| $L_{WA}$ | Inlet side | dB(A) | 74 | 62 | 67 | 69 | 66 | 63 | 62 | 57 |



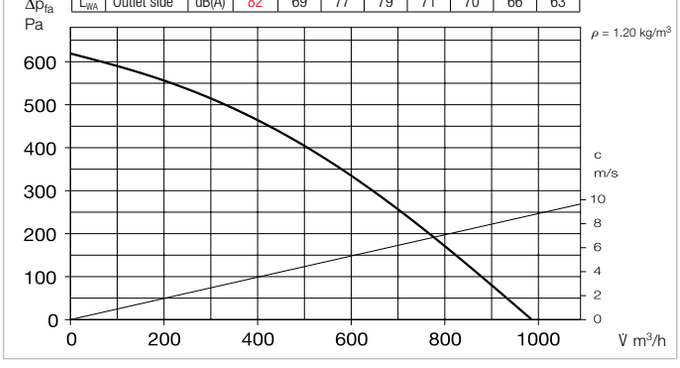

## Performance curves RRK 200

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Radiation | dB(A) | 46 | 32 | 35 | 40 | 41 | 40 | 33 | 26 |
| $L_{WA}$ | Inlet side | dB(A) | 63 | 40 | 55 | 56 | 56 | 58 | 53 | 46 |



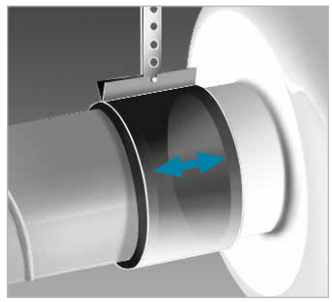

## Performance curves SVR 200 K

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Radiation | dB(A) | 65 | 47 | 62 | 61 | 53 | 48 | 42 | 36 |
| $L_{WA}$ | Inlet side | dB(A) | 78 | 65 | 74 | 73 | 65 | 63 | 60 | 57 |
| $L_{WA}$ | Outlet side | dB(A) | 82 | 69 | 77 | 79 | 71 | 70 | 66 | 63 |




## Accessories

**Pipe clamp connectors**
**BM 200** Ref. no. 05078
For structure-borne noise-free connection of fan and piping and for suspension (1 set = 2 pcs). Mount ventilation duct and fan connector at a distance and fold sleeve over during installation.



**Mounting bracket for RR**
**MK 4** Ref. no. 05824
**Mounting bracket for RRK**
**MK 2** Ref. no. 05822
Made of galvanised steel sheet.



**External wall shutter**
**VK 200** Ref. no. 00758
Made of plastic, light grey.

**External wall cover grille**
**RAG 200** Ref. no. 00750
Made of plastic, light grey.



**Protection grille**
**SGR 200** Ref. no. 05066
For inlet and outlet side installation. Made of galvanised steel.



**Duct shutter**
**RSK 200** Ref. no. 05074
Automatic, made of metal.



**Flexible cross talk silencer**
**FSD 200** Ref. no. 00679
Made of aluminium pipe with double-sided plug-in connectors. Sound insulation lining 50 mm thick, installation length 1 m.



**Air filter box**
**LFBR 200 Coarse 70%*** 08579
**LFBR 200 ePM1 50%*** 08533
Air filter with large surface area, for installation in pipeline.

**Electric heating element**
**EHR-R 1.2/200** 1.2 kW No.09436
**EHR-R 2/200** 2.0 kW No.09437
**EHR-R 5/200** 5.0 kW No.08711
**– with integrated temp. control**
**EHR-R 5/200 TR** 5.0 kW No.05295
Room or duct sensor (TFK/TFR, Accessories) required.



**Temperature control system for electric heating element EHR-R**
**EHS** Ref. no. 05002



**Warm water heating element**
**WHR 200** Ref. no. 09482
Compact heat exchanger for installation in duct system.



**Temperature control system for warm water heating element**
**WHST 300 T38** Ref. no. 08817

* See product page 486 for detailed description.