

For medium to smaller air flow volumes against high resistances.

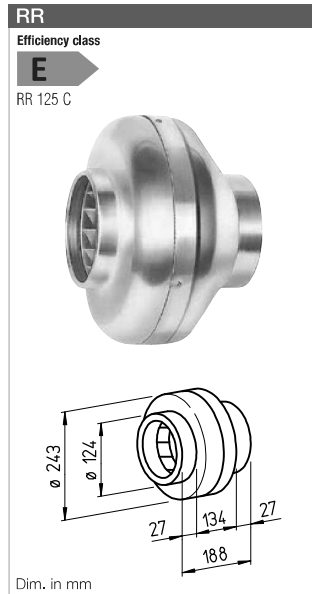
Specifically made for in-duct installation. High pressure characteristic to overcome resistances of bends, filters etc. Universal in application for domestic, commercial and industrial purposes.

■ **Special features**

- Less space required and simple site installation of the compact in line design.
- Its simplicity reduces site costs.
- Supply and exhaust air spigots fit all standard circular duct sizes.
- Power adjustment by 100% variable speed control.
- Installation in any position.
- Wide range of accessories.
- Aerodynamically optimized casing design.

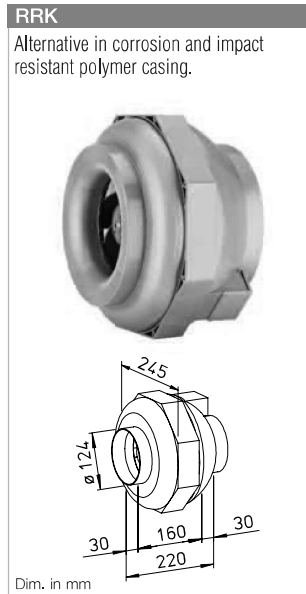
■ **Common features**

- Motor**
Closed, ball bearing-mounted external rotor motor with humidity protection, insulation class F, for continuous operation, maintenance free and interference-free.
- Motor protection**
Automatically switches off and on again after cooling due to built-in thermal contacts with the winding wired in series.
- Installation**
Can be mounted in any position – horizontal, vertical or diagonal – suitable for supply and extract ventilation by correct installation. To minimise the effective noise level it is recommended that the fan is installed as remote as possible from the ventilated space.



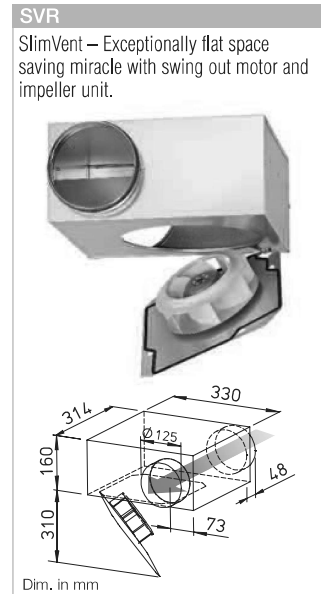
■ **Specification RR**

- Casing**
Robust casing from galvanised sheet steel for harsh operating conditions. Intake and exhaust Spigots on intake and exhaust fit standard ducts.
- Speed control**
From 0 – 100% by means of electronic controller or step transformer (see table) or two-speed operation with Type DS 2/2 (accessories).
Type DS 2/2 Ref. no. 1267
- Electrical connection**
Terminal box (IP 54) located on outer casing.
- Impeller**
Centrifugal impeller with backward curved polymer blades. Directly mounted to motor and dynamically balanced as a unit. Low-noise, highly efficient.
- Protection class**
When installed in intake and exhaust ducting and rainwater penetration is prevented, the fan is rated IP 44.



■ **Specification RRK**

- Casing**
All components made from corrosion and impact resistant polymer. Six built-in guide vanes also increase the level of efficiency. Colour: Silver-grey.
- Speed control**
From 0 – 100% by means of electronic controller or step transformer (see table).
- Electrical connection**
Terminal box (IP 54) located on outer casing.
- Impeller**
Centrifugal impeller with backward curved polymer blades. Directly mounted to motor and dynamically balanced as a unit. Low-noise, highly efficient.
- Protection class**
IP 44



■ **Specification SVR**

- Casing**
Flat and robust casing from galvanised sheet steel. Spigots on intake and extract with twin-seal rubber gaskets fit into standard ducts. Particularly service-friendly (cleaning) through swing out motor and impeller unit without disassembly of system components. Space for the swing out facility must be considered.
- Speed control**
From 0 – 100% by means of electronic controller or step transformer (see table) or two-speed operation with Type DS 2/2 (accessories).
Type DS 2/2 Ref. no. 1267
- Electrical connection**
Terminal box (IP 54) fitted to running cable.
- Impeller**
Energy-saving centrifugal impeller with forward curved blades. Dynamically balanced for low noise operation.
- Protection class**
When installed in ducting IP 44.

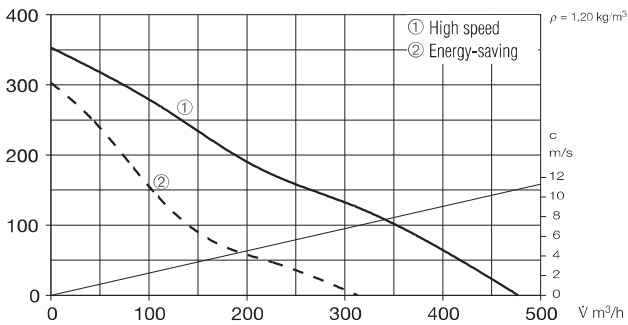
Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current control		Wiring diagram	max. air flow temp.		Weight net approx.	Transformer-speed controller 5-step		Electronic* speed controller, stepless flush / surface	
						full load	control		full load	control		Type	Ref. no.	Type	Ref. no.
Type RR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RR 125 C ¹⁾	5655	480 ¹⁾ /310	2480 ¹⁾ /1655	42	62 ¹⁾ /40	0.27 ¹⁾ /0.18	0.27	934.1	70	70	2.9	TSW 0,3	3608	ESU 1 / ESA 1	0236 / 0238
Type RRK, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RRK 125	5974	330	2415	48	65	0.30	0.30	508	70	60	3.1	TSW 0,3	3608	ESU 1 / ESA 1	0236 / 0238
Type SVR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 33															
SVR 125 B ²⁾	2671	400/290 ²⁾	2570/1810 ²⁾	46/38 ²⁾	59/41 ²⁾	0.26/0.18 ²⁾	0.24	934.1	60	60	5.1	TSW 1,5	1495	ESU 1 / ESA 1	0236 / 0238

¹⁾ Type with high speed; standard with additional energy-saving speed level (see performance diagram). ²⁾ Values are related to the 2 speeds (see performance diagram).

* In noise relevant cases transformer controller must be provided. An electronic controller can trigger a distracting magnetisation noise.

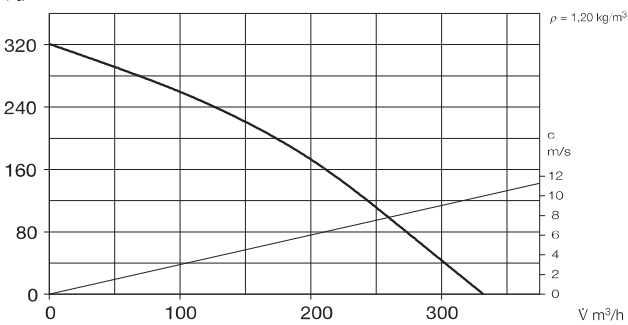
RR 125 C

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Case breakout	dB(A)	49	25	39	39	44	43	45	36
L _{WA}	Intake	dB(A)	70	55	64	67	64	60	55	48



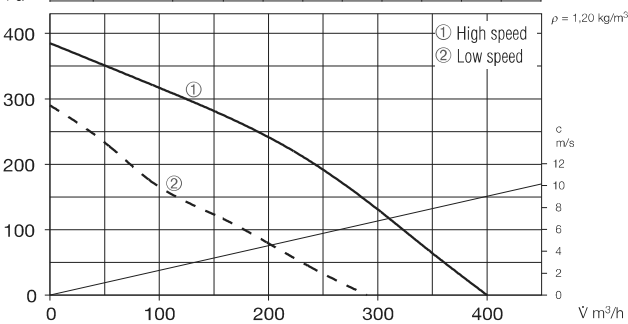
RRK 125

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Case breakout	dB(A)	55	39	46	50	51	47	38	27
L _{WA}	Intake	dB(A)	61	44	53	57	55	54	49	38



SVR 125 B

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L _{WA}	Case breakout	dB(A)	54	37	50	51	46	41	35	31
L _{WA}	Intake	dB(A)	69	60	63	66	57	54	51	46
L _{WA}	Exhaust	dB(A)	71	60	64	67	64	59	56	49



Sound levels

Total sound power levels and the spectrum figures in dB(A) are given for

- Sound level case breakout
- Sound level intake/exhaust

In addition, the case breakout and intake air noise figures are given as sound pressure levels at 1 metre (free field conditions) in the technical data table (see left page).

Note

Techn. description	Page
Selection chart	297
Information for planning	10 on
Modular system	294

Accessory details

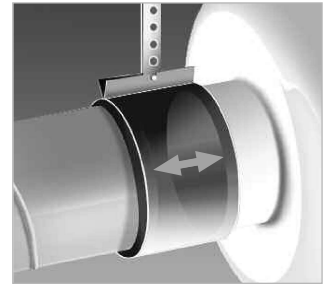
Filters, heater batteries and attenuators	Page
Temperature control systems for heater batteries	421 on
Flexible ventilation ducting, grilles, adaptors, roof terminations	427, 431 on
Poppet valves	487 on
Speed controllers and switches	508 on
	525 on

Accessories

Pipe clamp connectors

Type BM 125 Ref. no. 5076

A quick-fix method for connecting fans to ducting, reducing vibration transmission (1 kit = 2 pieces). When installing leave a little gap between fan and ducting.



Mounting feet for RR

Type MK 4 Ref. no. 5824

Mounting feet for RRK

Type MK 1 Ref. no. 5821

Made from galvanised steel sheet.



Gravity shutter

Type VK 125 Ref. no. 0857

Automatic made from white polymer.



Rain repellent grille

Type G 160 Ref. no. 0893

Made from white polymer.



Guard

Type SGR 125 Ref. no. 5064

For intake and exhaust installation on fan, made from powder-coated steel wire.



Backdraught shutter

Type RSKK 125 Ref. no. 5107

Automatic, made from polymer.



Flexible attenuator

Type FSD 125 Ref. no. 0677

Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.



Air filter box

LFBR 125 G4 Ref. no. 8577

LFBR 125 F7 Ref. no. 8531

Air filter with large surface area to be installed in-line with ducting.



Electric heater batteries

EHR-R 0,8/125 0,8 kW No. 8709

EHR-R 1,2/125 1,2 kW No. 9433

– with integrated temp. control

EHR-R 0,8/125 TR 0,8 kW No. 5293

Room or duct sensor required (TFK/TFR, accessory).



Temperature control system for electric heater batteries EHR-R

Type EHS Ref. no. 5002



Warm water heater battery

Type WHR 125 Ref. no. 9480

Compact heat exchanger for in-line installation.



Temperature control system for warm water heater battery

Type WHST 300 T38 No. 8817

