For medium to smaller air flow volumes against high resistances.

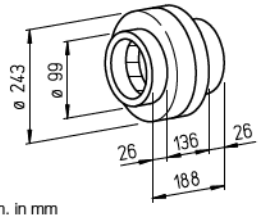
Specifically made for in-duct installation. High pressure characteristic to overcome resistances of bends, filters etc. Universal in application for domestic, commercial and industrial purposes.

RR

Efficiency class

E RR 100 C

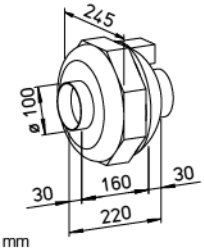
F RR 100 A



Dim. in mm

RRK

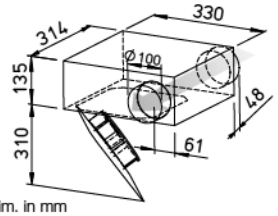
Alternative in corrosion and impact resistant polymer casing.



Dim. in mm

SVR

SlimVent – Exceptionally flat space saving miracle with swing out motor and impeller unit.



Dim. in mm

■ 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.

☐ **Sound levels**
See page 333.

■ 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**
Type RR 100 A from 0 – 100 % possible by means of electronic controller or step transformer (see table). For Type RR 100 C additional two-speed operation using 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.

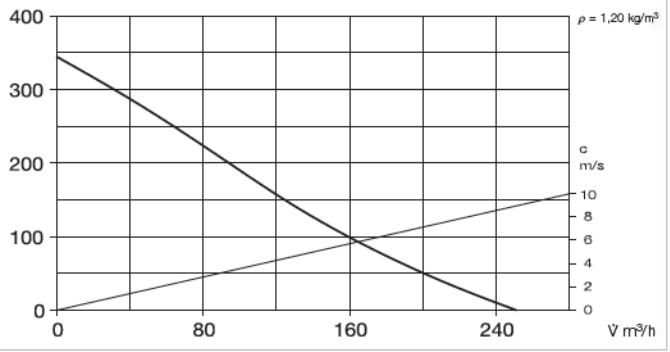
Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step Type	Ref. no.	Electronic* speed controller, stepless flush / surface Type	Ref. no.
		V m^3/h	min^{-1}	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg				
Type RR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RR 100 A	5653	250	1730	36	41	0.18	0.18	508	60	60	2.9	**TSW 0,3**	3608	**ESU 1 / ESA 1**	0236 / 0238
RR 100 C [1]	5654	330[1]/220	2530[1]/1655	42	62[1]/40	0.27[1]/0.18	0.27	934.1	60	60	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 100	5973	260	2250	45	33	0.14	0.14	508	70	60	2.4	**TSW 0,3**	3608	**ESU 1 / ESA 1**	0236 / 0238
Type SVR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 33															
SVR 100 C [2]	2658	310/245[2]	2600/1940[2]	45/40[2]	58/40[2]	0.25/0.18[2]	0,.23	934.1	60	60	4.8	**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)

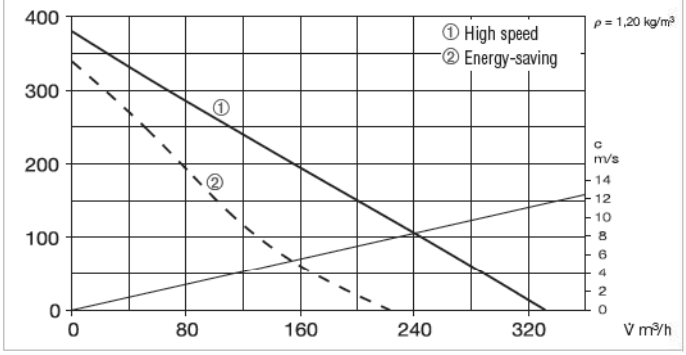
RR 100 A

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	43	21	33	35	39	37	37	31
L_{WA}	Intake	dB(A)	66	56	64	60	58	52	45	38



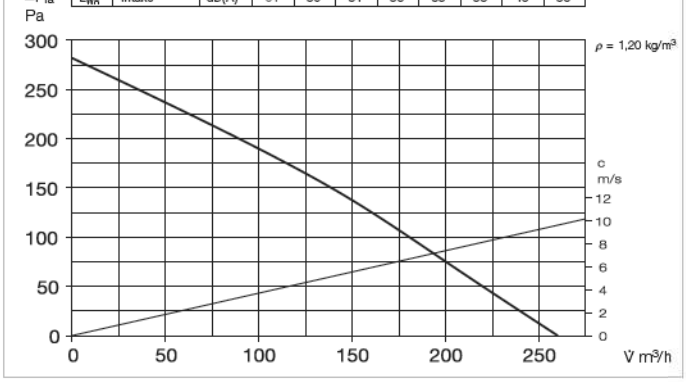
RR 100 C

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	49	23	40	40	44	42	44	38
L_{WA}	Intake	dB(A)	70	61	66	65	65	59	52	46



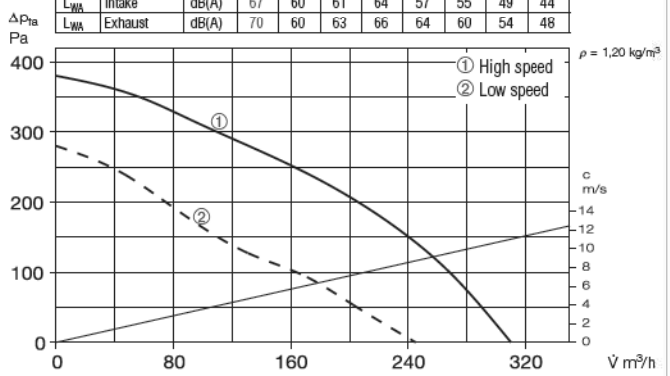
RRK 100

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	52	37	45	45	48	46	36	28
L_{WA}	Intake	dB(A)	61	39	51	58	55	53	48	38



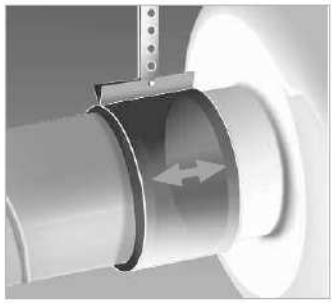
SV R 100 C

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	53	37	50	49	44	41	35	31
L_{WA}	Intake	dB(A)	67	60	61	64	57	55	49	44
L_{WA}	Exhaust	dB(A)	70	60	63	66	64	60	54	48



■ Accessories

Pipe clamp connectors
Type BM 100 Ref. no. 5075
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 100 Ref. no. 0757
Automatic made from white polymer.

Rain repellent grille
Type G 100 Ref. no. 0796
Made from white polymer.

Guard
Type SGR 100 Ref. no. 0063
For intake and exhaust installation on fan, made from powder-coated steel wire.

Backdraught shutter
Type RSKK 100 Ref. no. 5106
Automatic, made from polymer.

Flexible attenuator
Type FSD 100 Ref. no. 0676
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.

Air filter box
LFBR 100 G4 Ref. no. 8576
LFBR 100 F7 Ref. no. 8530
Air filter with large surface area to be installed in-line with ducting.

Electric heater batteries
EHR-R 0,4/100 0,4 kW No. 8708
In galvanised steel sheet casing.

Temperature control system for electric heater batteries EHR-R
Type EHS Ref. no. 5002

Warm water heater battery
Type WHR 100 Ref. no. 9479
Compact heat exchanger for in-line installation.

Temperature control system for warm water heater battery
Type WHST 300 T38 No. 8817

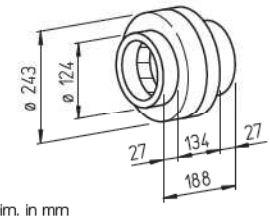
For medium to smaller air flow volumes against high resistances.

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.

RR

Efficiency class **E**

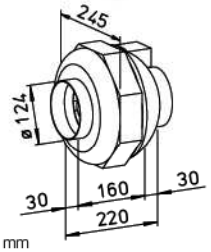
RR 125 C



Dim. in mm

RRK

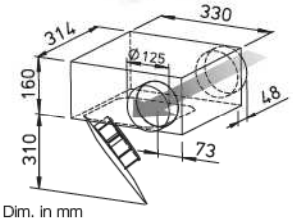
Alternative in corrosion and impact resistant polymer casing.



Dim. in mm

SVR

SlimVent – Exceptionally flat space saving miracle with swing out motor and impeller unit.



Dim. in mm

■ 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.

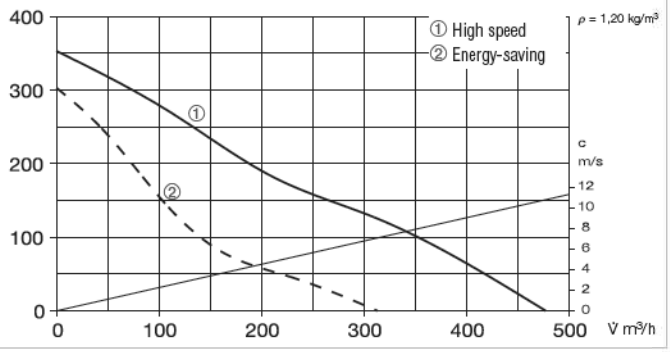
Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step Type	Ref. no.	Electronic* speed controller, stepless flush / surface Type	Ref. no.
		V m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg				
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)

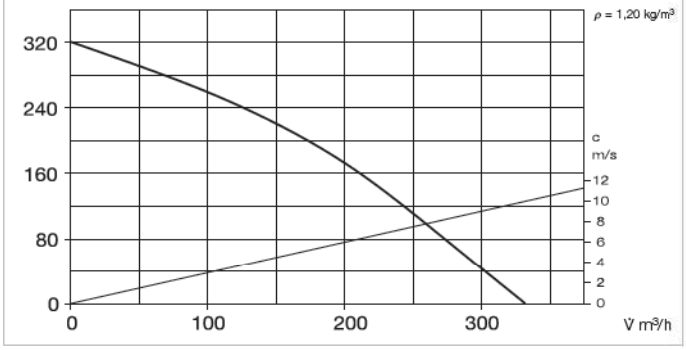
RR 125 C

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



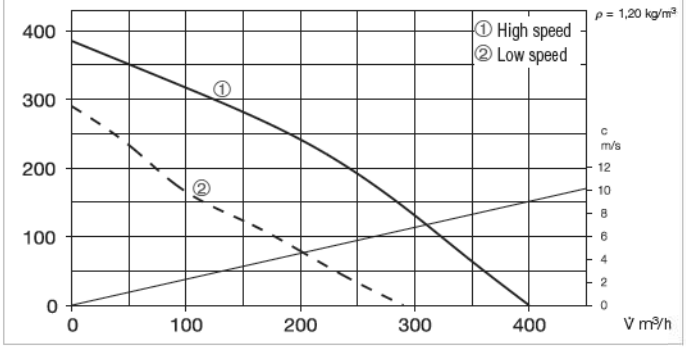
RRK 125

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

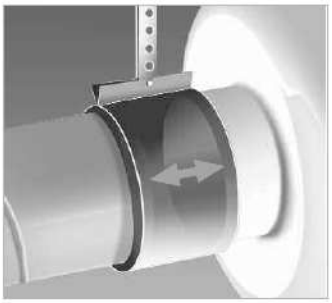
Total sound power levels and the spectrum figures in dB(A) are given for

- 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).

■ 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

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.

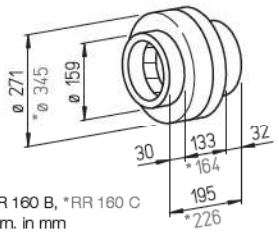
☐ **Installation**
Can be mounted in any position – horizontal, vertical or diagonal – suitable for supply and extract ventilation by correct installation. To minimise the effective noise level it is recommended that the fan is installed as remote as possible from the ventilated space.

☐ **Sound levels**
See page 333.

RR

Efficiency class **E**

RR 160 B



RR 160 B, *RR 160 C
Dim. in mm

■ 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

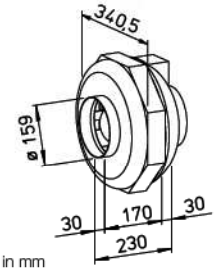
☐ **Electrical connection**
Terminal box (IP 54) located on outer casing.

☐ **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.

RRK

Alternative in corrosion and impact resistant polymer casing.



Dim. in mm

■ 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).

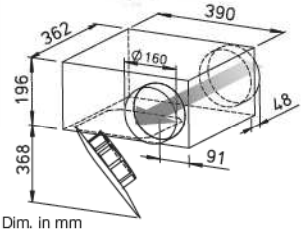
☐ **Electrical connection**
Terminal box (IP 54) located on outer casing.

☐ **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

SVR

SlimVent – Exceptionally flat space saving miracle with swing out motor and impeller unit.



Dim. in mm

■ 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.

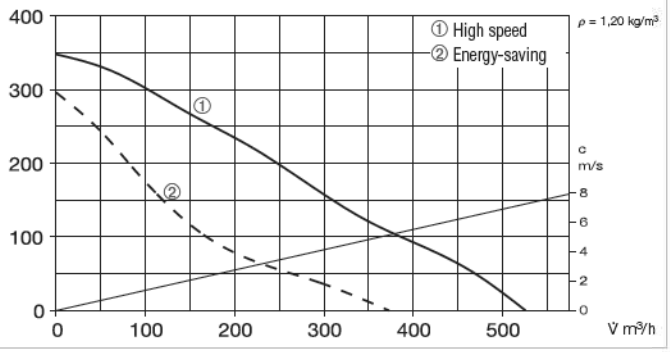
☐ **Protection class**
When installed in ducting IP 44.

Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step Type	Ref. no.	Electronic* speed controller, stepless flush / surface Type	Ref. no.
		V̇ m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg				
Type RR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RR 160 B[1]	5656	530[1]/370	2540[1]/1695	42	62[1]/40	0.27[1]/0.18	0.27	934.1	60	60	3.2	**TSW 0,3**	3608	**ESU 1 / ESA 1**	0236 / 0238
RR 160 C[1]	5657	870[1]/610	2480[1]/1580	49	101[1]/64	0.44[1]/0.28	0.44	934.1	65	65	4.3	**TSW 1,5**	1495	**ESU 1 / ESA 1**	0236 / 0238
Type RRK, 1 phase motor, 230 V, 50 Hz, 1 phase motor, IP 44															
RRK 160	5976	430	2400	46	70	0.30	0.30	508	70	50	3.4	**TSW 0,3**	3608	**ESU 1 / ESA 1**	0236 / 0238
Type SVR, 1 phase motor, 230 V, 50 Hz, 1 phase motor, IP 33															
SVR 160 K[2]	2672	450/310[2]	2550/1740[2]	45/37[2]	61/42[2]	0.26/0.19[2]	0.25	934.1	60	60	6.7	**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)

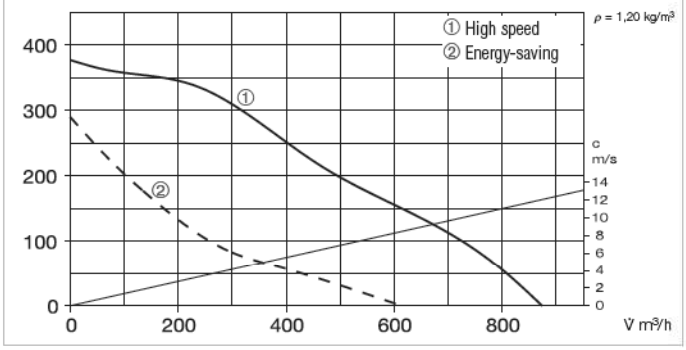
RR 160 B

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	49	24	39	40	45	44	44	32
L_{WA}	Intake	dB(A)	69	54	64	65	63	58	53	48



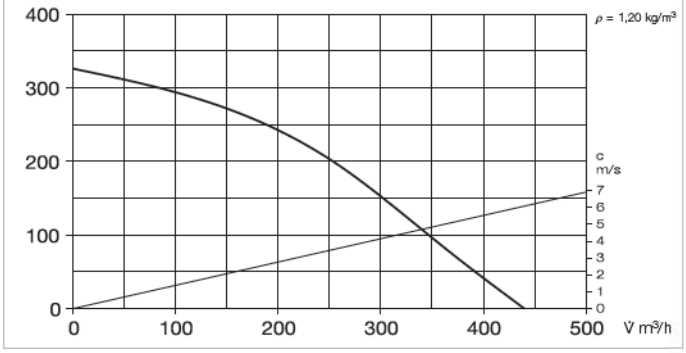
RR 160 C

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	56	34	42	49	54	47	48	35
L_{WA}	Intake	dB(A)	73	60	64	68	69	64	64	54



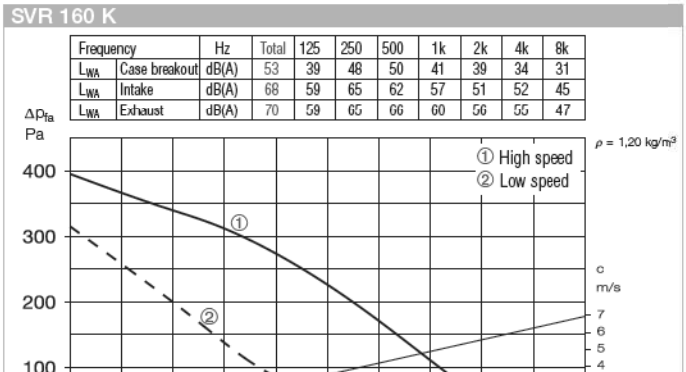
RRK 160

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	53	31	40	47	49	47	38	26
L_{WA}	Intake	dB(A)	59	42	50	53	54	52	49	38



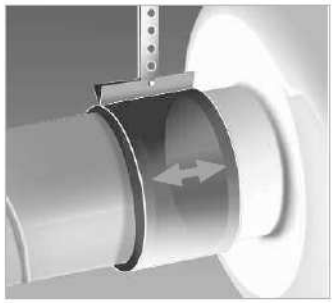
SVR 160 K

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	53	39	48	50	41	39	34	31
L_{WA}	Intake	dB(A)	68	59	65	62	57	51	52	45
L_{WA}	Exhaust	dB(A)	70	59	65	66	60	56	55	47



■ Accessories

Pipe clamp connectors
Type BM 160 Ref. no. 5077
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 2 Ref. no. 5822
Made from galvanised steel sheet.

Gravity shutter
Type VK 160 Ref. no. 0892
Automatic made from white polymer.

Rain repellent grille
Type G 160 Ref. no. 0893
Made from white polymer.

Guard
Type SGR 160 Ref. no. 5069
For intake and exhaust installation on fan, made from galvanised steel.

Backdraught shutter
Type RSK 160 Ref. no. 5669
Automatic, made from metal.

Flexible attenuator
Type FSD 160 Ref. no. 0678
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.

Air filter box
LFBR 160 G4 Ref. no. 8578
LFBR 160 F7 Ref. no. 8532
Air filter with large surface area to be installed in-line with ducting.

Electric heater batteries
EHR-R 1,2/160 1,2 kW No. 9434
EHR-R 2,4/160 2,4 kW No. 9435
EHR-R 5/160 5,0 kW No. 8710
– with integrated temp. control
EHR-R 2,4/160 TR 2,4 kW No. 5294
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 160 Ref. no. 9481
Compact heat exchanger for in-line installation.

Temperature control system for warm water heater battery
Type WHST 300 T38 No. 8817

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.

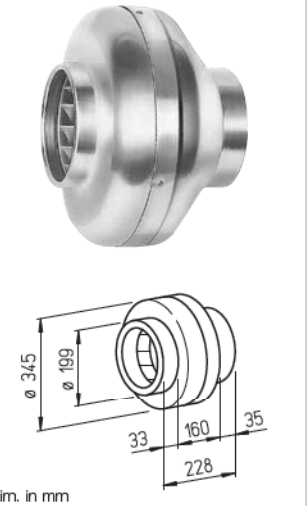
☐ **Motor protection**
Automatically switches off and on again after cooling due to built-in thermal contacts with the winding wired in series.

☐ **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.

☐ **Sound levels**
See page 333.

RR

Market-leading series offering excellent value for money.
With energy saving mode as standard.



Dim. in mm

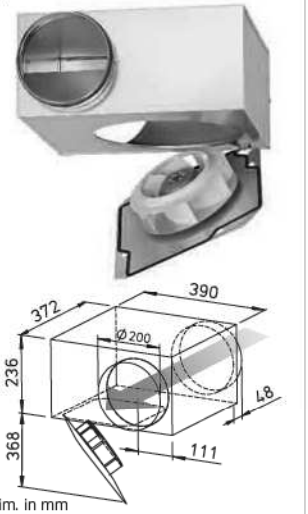
RRK

Alternative in corrosion and impact resistant polymer casing.

Dim. in mm

SVR

SlimVent – Exceptionally flat space saving miracle with swing out motor and impeller unit.



Dim. in mm

■ 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).
Two-speed operation possible for Type RR 200 A using 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).

☐ **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.

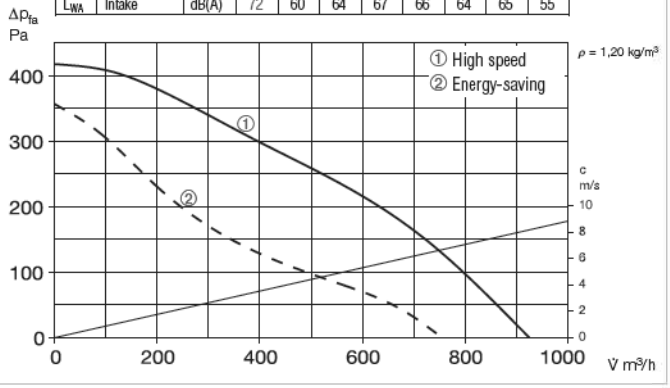
☐ **Protection class**
When installed in ducting IP 44.

Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step Type	Transformer-speed controller 5-step Ref. no.	Electronic* speed controller, stepless flush / surface Type	Electronic* speed controller, stepless flush / surface Ref. no.
		V̇ m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg	Type	Ref. no.	Type	Ref. no.
Type RR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44 (Type RR 200 B, IP 33)															
RR 200 A[1)]	5658	930[1)]/760	2580[1)]/1830	47	115[1)]/85	0.51[1)]/0.39	0.51	934.1	60	60	4.6	**TSW 1,5**	1495	**ESU 1 / ESA 1**	0236 / 0238
RR 200 B	5659	980	2750	44	145	0.63	0.78	508	70	60	5.0	**TSW 1,5**	1495	**ESU 1 / ESA 1**	0236 / 0238
Type RRK, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RRK 200	5977	780	2395	56	115	0.50	0.50	508	60	50	3.6	**TSW 1,5**	1495	**ESU 1 / ESA 1**	0236 / 0238
Type SVR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 33															
SVR 200 K	2673	980	2730	57	154	0.67	0.81	508	70	50	8.4	**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)

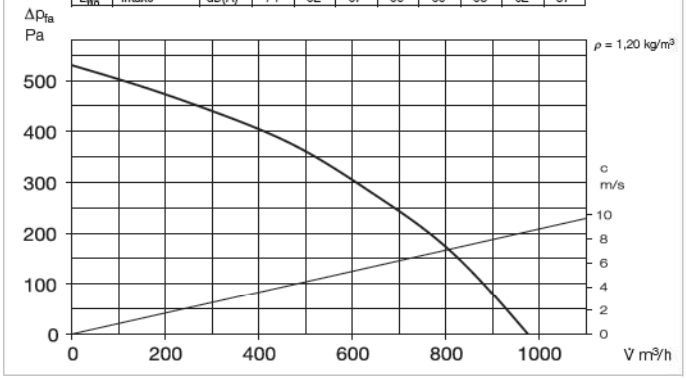
RR 200 A

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	54	31	42	46	50	47	48	34
L_{WA}	Intake	dB(A)	72	60	64	67	66	64	65	55



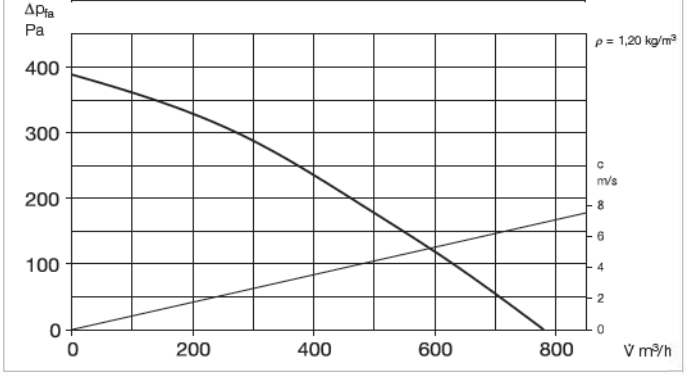
RR 200 B

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	52	34	41	46	48	44	44	35
L_{WA}	Intake	dB(A)	74	62	67	69	66	63	62	57



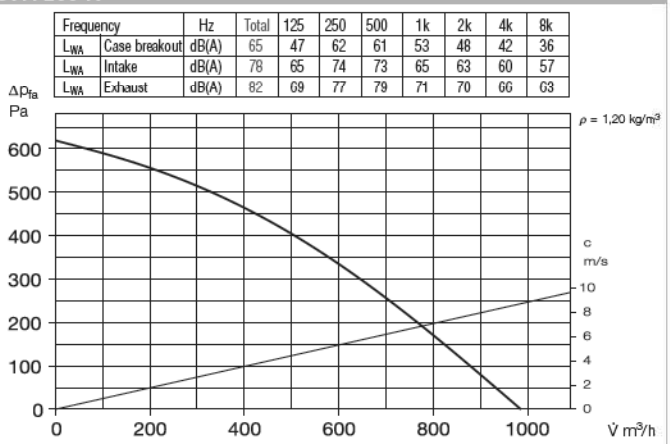
RRK 200

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	63	42	47	57	58	57	51	38
L_{WA}	Intake	dB(A)	73	51	64	71	69	65	62	54



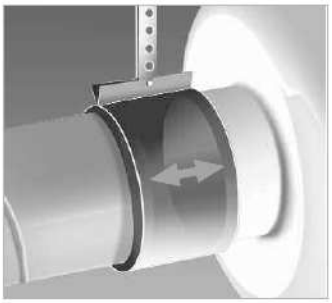
SVR 200 K

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	65	47	62	61	53	48	42	36
L_{WA}	Intake	dB(A)	78	65	74	73	65	63	60	57
L_{WA}	Exhaust	dB(A)	82	69	77	79	71	70	66	63



■ Accessories

Pipe clamp connectors
Type BM 200 Ref. no. 5078
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 2 Ref. no. 5822
Made from galvanised steel sheet.

Gravity shutter
Type VK 200 Ref. no. 0758
Made from polymer, light grey.

Rain repellent grille
Type RAG 200 Ref. no. 0750
Made from polymer, light grey.

Guard
Type SGR 200 Ref. no. 5066
For intake and exhaust installation on fan, made from galvanised steel.

Backdraught shutter
Type RSK 200 Ref. no. 5074
Automatic, made from metal.

Flexible attenuator
Type FSD 200 Ref. no. 0679
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.

Air filter box
LFBR 200 G4 Ref. no. 8579
LFBR 200 F7 Ref. no. 8533
Air filter with large surface area to be installed in-line with ducting.

Electric heater batteries
EHR-R 1,2/200 1,2 kW No. 9436
EHR-R 2/200 2,0 kW No. 9437
EHR-R 5/200 5,0 kW No. 8711
– with integrated temp. control
EHR-R 5/200 TR 5,0 kW No. 5295
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 200 Ref. no. 9482
Compact heat exchanger for in-line installation.

Temperature control system for warm water heater battery
Type WHST 300 T38 No. 8817

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.

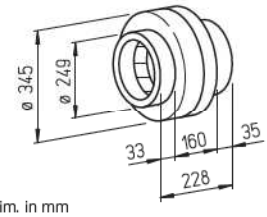
■ Common features

☐ **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.

RR

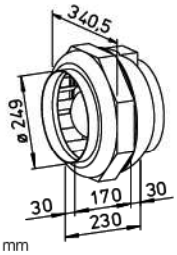
Market-leading series offering excellent value for money.
With energy saving mode as standard.



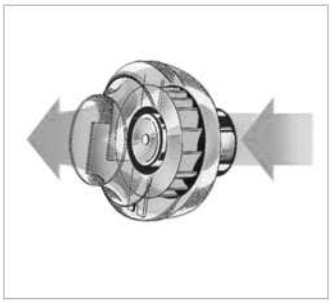
Dim. in mm

RRK

Alternative in corrosion and impact resistant polymer casing.



Dim. in mm



■ 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).
Two-speed operation possible for Type RR 200 A using 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

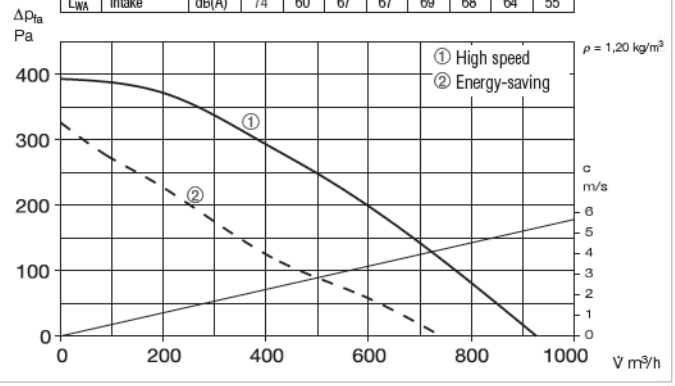
☐ **Installation**
Can be mounted in any position – horizontal, vertical or diagonal – suitable for supply and extract ventilation by correct installation. To minimise the effective noise level it is recommended that the fan is installed as remote as possible from the ventilated space.

Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step Type	Transformer-speed controller 5-step Ref. no.	Electronic* speed controller, stepless flush / surface Type	Electronic* speed controller, stepless flush / surface Ref. no.
		V m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg				
Type RR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44 (Type RR 250 C, IP 33)															
RR 250 A[1]	5652	886[1]/740	2580[1]/1910	46	115[1]/83	0.50[1]/0.38	0.50	934.1	60	60	4.6	**TSW 1,5**	1495	**ESU 1 / ESA 1**	0236 / 0238
RR 250 C	5660	970	2750	45	145	0.63	0.78	508	70	60	5.0	**TSW 1,5**	1495	**ESU 1 / ESA 1**	0236 / 0238
Type RRK, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RRK 250	5978	912	2450	53	115	0.50	0.50	508	50	40	3.9	**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)

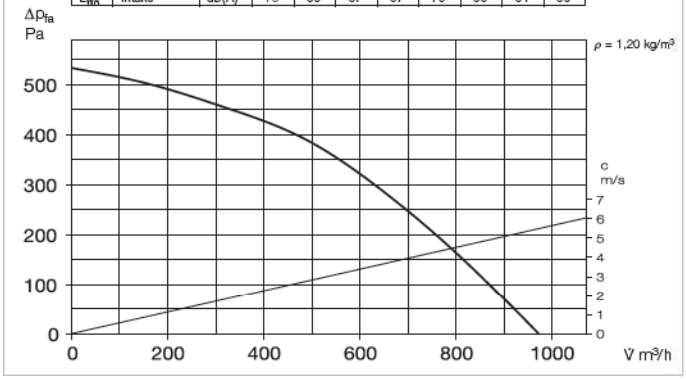
RR 250 A

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	54	30	34	47	52	47	44	38
L_{WA}	Intake	dB(A)	74	60	67	67	69	68	64	55



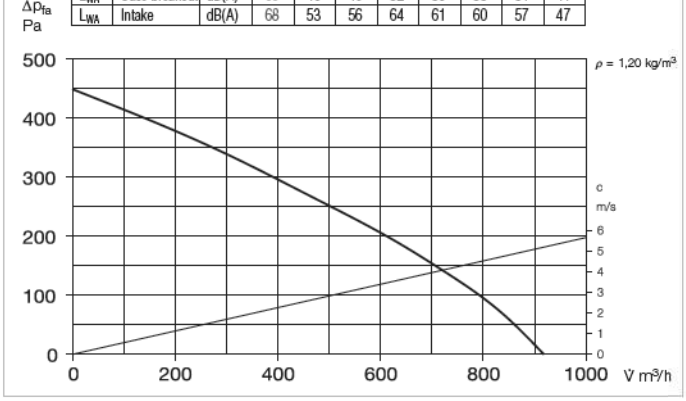
RR 250 C

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	53	31	42	46	49	46	43	38
L_{WA}	Intake	dB(A)	75	60	67	67	70	66	64	66



RRK 250

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	60	46	49	52	56	55	51	41
L_{WA}	Intake	dB(A)	68	53	56	64	61	60	57	47



■ Sound levels

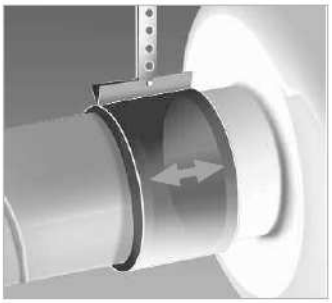
Total sound power levels and the spectrum figures in dB(A) are given for

- 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).

■ Accessories

Pipe clamp connectors
Type BM 250 Ref. no. 5079
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 2 Ref. no. 5822
Made from galvanised steel sheet.

Gravity shutter
Type VK 250 Ref. no. 0759
Automatic made from polymer, light grey.

Rain repellent grille
Type RAG 250 Ref. no. 0751
Made from polymer, light grey.

Guard
Type SGR 250 Ref. no. 0067
For intake and exhaust installation on fan, made from galvanised steel.

Backdraught shutter
Type RSK 250 Ref. no. 5673
Automatic, made from metal.

Flexible attenuator
Type FSD 250 Ref. no. 0680
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.

Air filter box
LFBR 250 G4 Ref. no. 8580
LFBR 250 F7 Ref. no. 8534
Air filter with large surface area to be installed in-line with ducting.

Electric heater batteries
EHR-R 6/250 6,0 kW No. 8712
– with integrated temp. control
EHR-R 6/250 TR 6,0 kW No. 5296
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 250 Ref. no. 9483
Compact heat exchanger for in-line installation.

Temperature control system for warm water heater battery
Type WHS HE Ref. no. 8319

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.

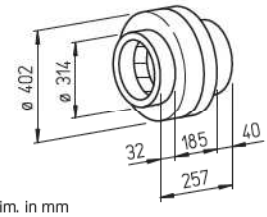
■ Common features

☐ **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.

RR

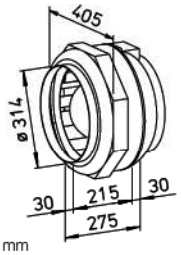
Market-leading series offering excellent value for money.



Dim. in mm

RRK

Alternative in corrosion and impact resistant polymer casing.



Dim. in mm

■ 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).

☐ **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.

☐ **Electrical connection**
Terminal box (IP 54) located on outer casing.

☐ **Speed control**
From 0 – 100% by means of electronic controller or step transformer (see table).

☐ **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

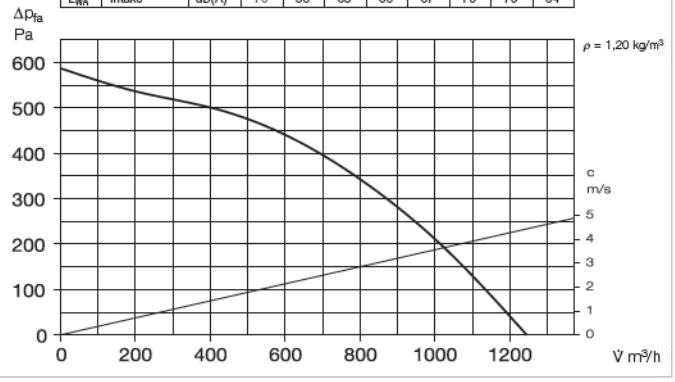
☐ **Installation**
Can be mounted in any position – horizontal, vertical or diagonal – suitable for supply and extract ventilation by correct installation. To minimise the effective noise level it is recommended that the fan is installed as remote as possible from the ventilated space.

Type	Ref. no.	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current full load	Current control	Wiring diagram	max. air flow temp. full load	max. air flow temp. control	Weight net approx.	Transformer-speed controller 5-step Type	Transformer-speed controller 5-step Ref. no.	Electronic* speed controller, stepless flush / surface Type	Electronic* speed controller, stepless flush / surface Ref. no.
		V̇ m³/h	min⁻¹	db(A) in 1 m	W	A	A	No.	+°C	+°C	kg				
Type RR, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RR 315	5920	1260	2660	46	200	0.87	0.97	508	70	60	6.1	**TSW 1,5**	1495	**ESU 3 / ESA 3**	0237 / 0239
Type RRK, 1 phase motor, 230 V, 50 Hz, capacitor motor, IP 44															
RRK 315	5979	1060	2690	48	170	0.75	0.97	508	70	60	5.7	**TSW 1,5**	1495	**ESU 3 / ESA 3**	0237 / 0239

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

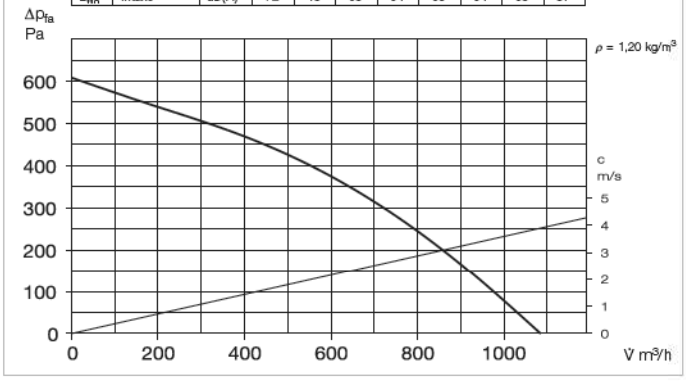
RR 315

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	54	40	45	46	48	49	46	37
L_{WA}	Intake	dB(A)	76	58	65	66	67	70	70	64



RRK 315

Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	55	40	45	50	50	47	43	34
L_{WA}	Intake	dB(A)	72	45	63	64	68	64	63	57



Sound levels

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

- Sound level case breakout
- Sound level intake/exhaust

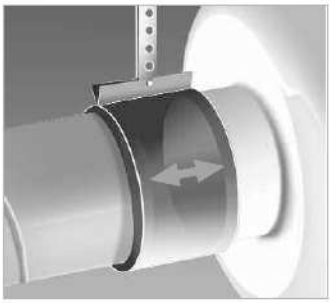
In addition, the case breakout and intake air noise figures are given as sound pressure levels at 1 metre (free field conditions) in the technical data table (see left page).

Note	Page
Techn. description	296
Selection chart	297
Information for planning	10 on
Modular system	294

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

Accessories

Pipe clamp connectors
Type BM 315 Ref. no. 5080
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 3 Ref. no. 5823
Made from galvanised steel sheet.

Gravity shutter
Type VK 315 Ref. no. 0760
Automatic made from polymer, light grey.

Rain repellent grille
Type RAG 315 Ref. no. 0752
Made from polymer, light grey.

Guard
Type SGR 315 Ref. no. 5068
For intake and exhaust installation on fan, made from galvanised steel.

Backdraught shutter
Type RSK 315 Ref. no. 5674
Automatic, made from metal.

Flexible attenuator
Type FSD 315 Ref. no. 0681
Spigotted aluminium attenuator with 50 mm insulation. Length 1 m.

Air filter box
LFBR 315 G4 Ref. no. 8581
LFBR 315 F7 Ref. no. 8535
Air filter with large surface area to be installed in-line with ducting.

Electric heater batteries
EHR-R 6/315 6,0 kW No. 8713
– with integrated temp. control
EHR-R 6/315 TR 6,0 kW No. 5301
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 315 Ref. no. 9484
Compact heat exchanger for in-line installation.

Temperature control system for warm water heater battery
Type WHS HE Ref. no. 8319