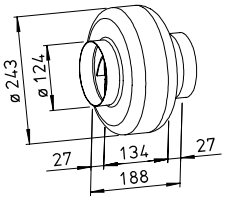
Energy-saving EC in-line fans for medium to smaller air flow volumes against high resistances.

Specifically made for in-duct installation. High pressure performance to overcome friction loss, flow deflection losses and aggregate resistances.
Universal in application for domestic, commercial and industrial purposes.

RR EC

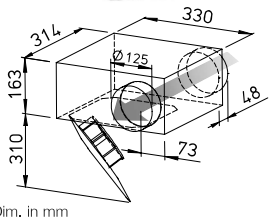
EC series offering excellent value for money.



Dim. in mm

SVR EC

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



Dim. in mm

■ Special features

☐ Highly efficient EC motor for lowest operating costs.
☐ 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 RR EC and SVR EC

☐ **Motor**
Energy saving, speed controllable EC-external rotor motors, protection to IP 44 (RR EC IP 54) with highest efficiency. Maintenance-free and interference-free, ball bearing mounted.

☐ **Motor protection**
Integrated electronic temperature monitoring for EC-motor and electronics.

☐ **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 EC

☐ **Casing**
Robust casing from galvanised sheet steel for harsh operating conditions. Intake and exhaust Spigots on intake and exhaust fit standard ducts.

☐ **Speed control**
Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

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

☐ **Impeller**
Backward curved centrifugal impeller made from polymers. Directly fitted on motor and dynamically balanced as a unit providing low noise levels and high efficiency.

☐ **Protection class**
When installed in intake and exhaust ducting and rainwater penetration is prevented, the fan is rated IP 54.

■ Specification SVR EC

☐ **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**
Stepless speed control with potentiometer or stepless speed control with universal control system (see table). Duties at different speeds are exemplarily given in the performance curve.

☐ **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 the fan is rated IP 44.

■ Sound levels

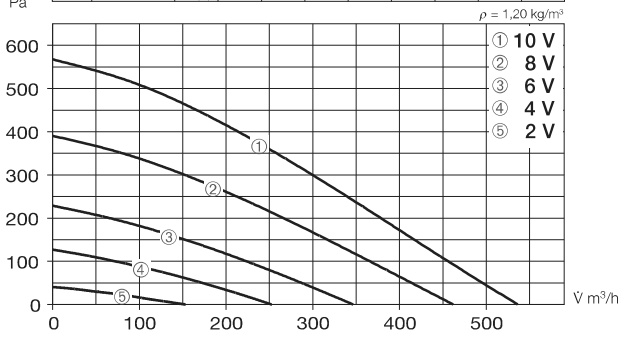
Total sound power levels and the spectrum figures in dB(A) are given for:
– Sound level case breakout
– Sound level intake
– Sound level exhaust
In the table below as well as underneath the performance curve you can find additionally the sound pressure level at 1 m (freefield conditions).

Type	Ref. no.	Connection Ø	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
		mm	V̇ m³/h	min⁻¹	dB(A) in 1 m	kW	A	No.	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type RR EC, 1 Phase motor, 230 V, 50/60 Hz, EC motor, IP 54																
RR EC 125	5789	125	540	3540	45	0.11	0.87	979	60	3.0	**EUR EC** [1) 2)]	1347	**PU 10** [1)]	1734	**PA 10** [1)]	1735
Type SVR EC, 1 Phase motor, 230 V, 50/60 Hz, EC motor, IP 44																
SVR EC 125	2531	125	580	3780	57	0.12	0.90	979	60	5.0	**EUR EC** [1) 2)]	1347	**PU 10** [1)]	1734	**PA 10** [1)]	1735

1) Several EC fans can normally be connected 2) alternative electronic diff. pressure/Temp. controller (EDR/ETR, no. 1437/1438) or three-stage speed controller (SU/SA, no. 4266/4267), see accessories

RR EC 125

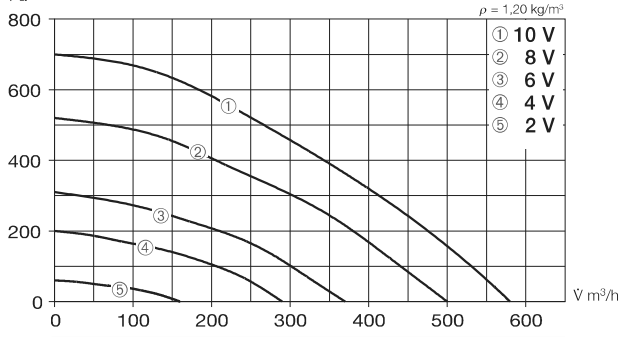
Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	53	30	43	44	49	43	46	38
L_{WA}	Intake	dB(A)	79	69	73	74	71	68	65	60
L_{WA}	Exhaust	dB(A)	78	66	71	73	71	70	65	60



	Free discharge					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	3540	540	110	0,87	45	0,73
8	3030	460	65	0,52	43	0,51
6	2280	350	30	0,25	37	0,31
4	1650	250	15	0,15	30	0,22

SVR EC 125

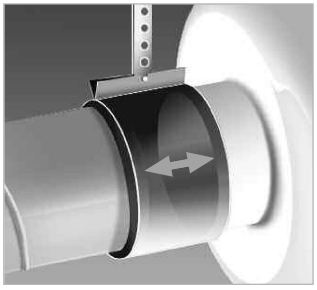
Frequency		Hz	Total	125	250	500	1k	2k	4k	8k
L_{WA}	Case breakout	dB(A)	65	48	55	63	57	54	47	39
L_{WA}	Intake	dB(A)	78	67	68	76	68	67	64	56
L_{WA}	Exhaust	dB(A)	82	68	69	78	76	72	69	61



	Free discharge					
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	3780	580	115	0,90	57	0,71
8	3250	500	75	0,60	55	0,54
6	2500	370	35	0,30	51	0,34
4	2000	290	20	0,18	46	0,25

Accessory details — 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 EC
Type MK 4 Ref. no. 5824

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, accessories) .

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