

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.

Special features

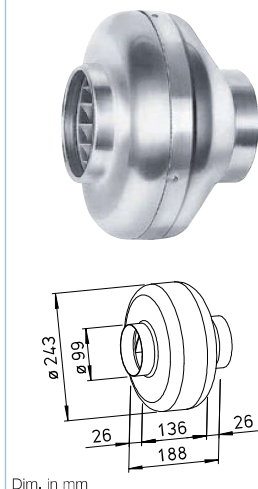
- Highly efficient EC motor for lowest operating costs.
- Less space required and simple site installation of the compact in line design.
- Its simplicity reduces site costs.
- Supply and exhaust air spigots fit all standard circular duct sizes.
- Power adjustment by 100% variable speed control.
- Installation 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.

RR EC

EC series offering excellent value for money.



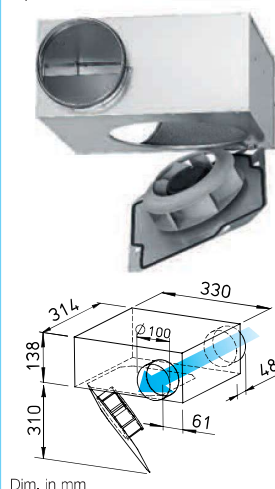
Dim. in mm

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.

SVR EC

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



Dim. in mm

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.

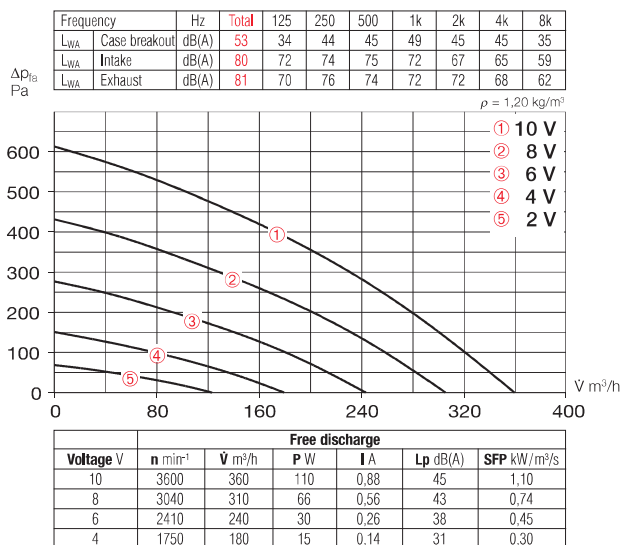
Sound levels

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).

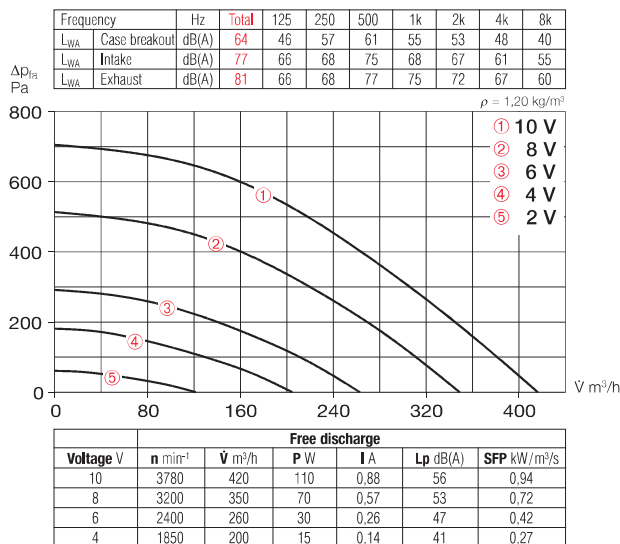
Type	Ref. no.	Connection Ø	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type RR EC, 1 Phase motor, 230 V, 50/60 Hz, EC motor, IP 54																
RR EC 100	5804	100	360	3600	45	0.11	0.90	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 100	6124	100	420	3780	56	0.11	0.88	979	60	6.2	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 100



SVR EC 100



Accessory details Page

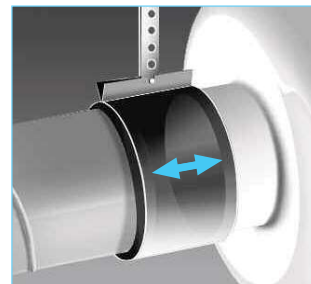
Filters, heater batteries and attenuators	421 on
Temperature control systems for heater batteries	427, 431 on
Flexible ventilation ducting, grilles, adaptors, roof terminations	487 on
Poppet valves	508 on
Universal control system, electronic controllers, speed-potentiometer	539 on

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 EC

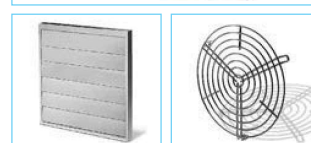
Type MK 4 Ref. no. 5824



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. 5063

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

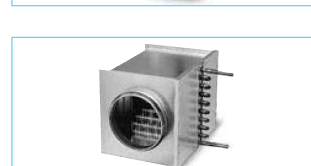
EHR-R 0,4/100 0,4 kW No. 8708

In galvanised sheet steel casing.



Temperature control system for electric heater batteries EHR-R

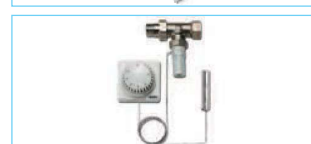
Type EHS Ref. no. 5002



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

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.

Special features

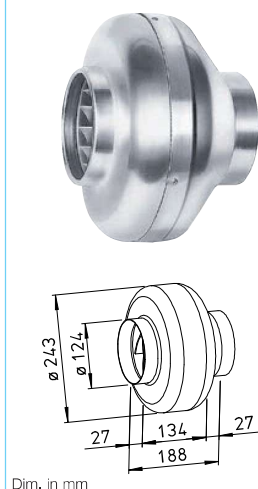
- Highly efficient EC motor for lowest operating costs.
- Less space required and simple site installation of the compact in line design.
- Its simplicity reduces site costs.
- Supply and exhaust air spigots fit all standard circular duct sizes.
- Power adjustment by 100% variable speed control.
- Installation 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.

RR EC

EC series offering excellent value for money.



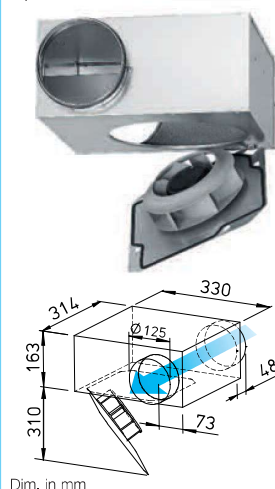
Dim. in mm

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.

SVR EC

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



Dim. in mm

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.

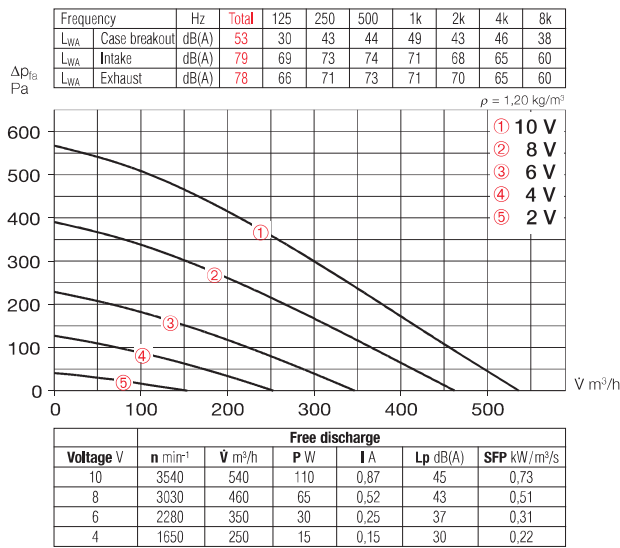
Sound levels

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).

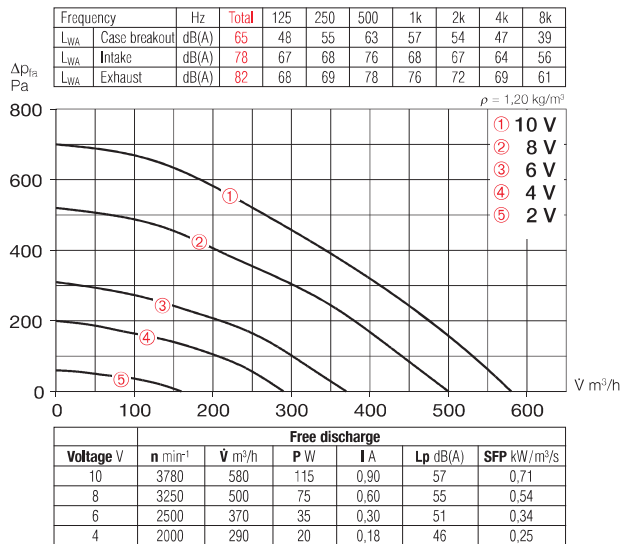
Type	Ref. no.	Connection Ø	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer			
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type RR EC, 1 Phase motor, 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



SVR EC 125



Accessory details Page

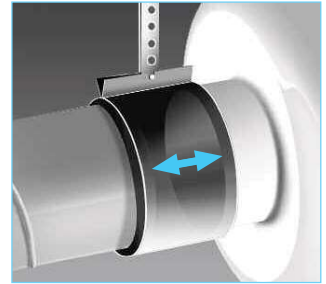
Filters, heater batteries and attenuators	421 on
Temperature control systems for heater batteries	427, 431 on
Flexible ventilation ducting, grilles, adaptors, roof terminations	487 on
Poppet valves	508 on
Universal control system, electronic controllers, speed-potentiometer	539 on

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 EC

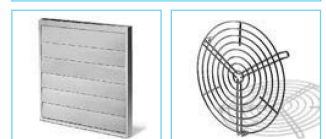
Type MK 4 Ref. no. 5824



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

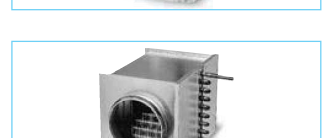
Type EHS Ref. no. 5002



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



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

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Special features

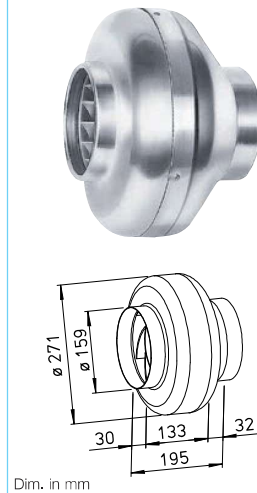
- Highly efficient EC motor for lowest operating costs.
- Less space required and simple site installation of the compact in line design.
- Its simplicity reduces site costs.
- Supply and exhaust air spigots fit all standard circular duct sizes.
- Power adjustment by 100% variable speed control.
- Installation 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.

RR EC

EC series offering excellent value for money.



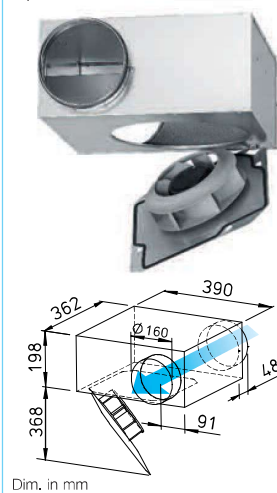
Dim. in mm

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.

SVR EC

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



Dim. in mm

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.

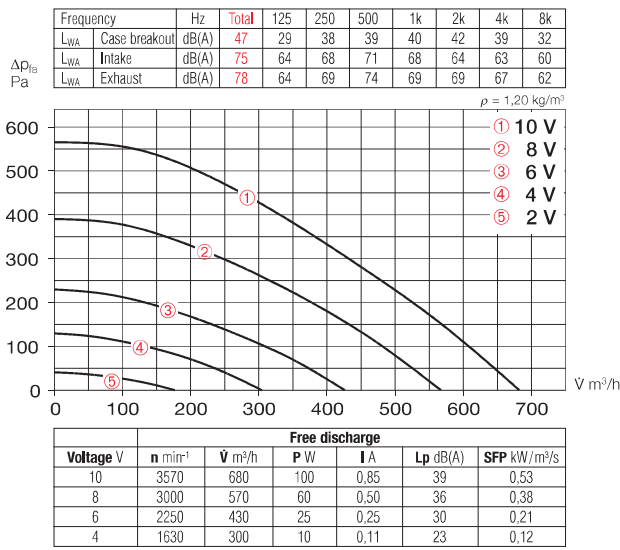
Sound levels

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).

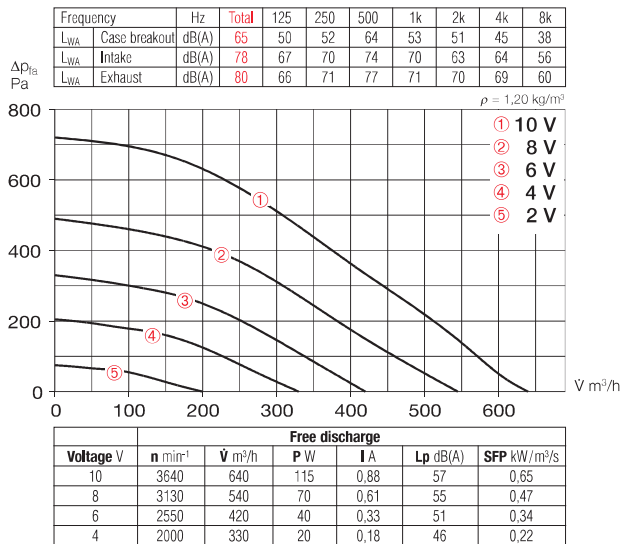
Type	Ref. no.	Connection Ø	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer flush		Speed-potentiometer surface	
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type RR EC, 1 Phase motor, 230 V, 50/60 Hz, EC motor, IP 54																
RR EC 160	5785	160	680	3570	39	0.11	0.90	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 160 A	2535	160	640	3640	57	0.12	0.90	979	60	7.1	EUR EC ¹⁾²⁾ 1347	PU 10 ¹⁾ 1734	PA 10 ¹⁾ 1735			
SVR EC 160 B	2543	160	820	3220	57	0.13	1.06	979	60	6.9	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

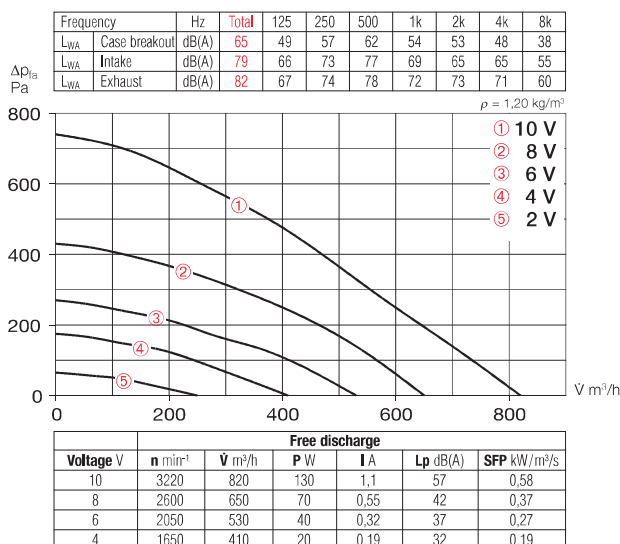
RR EC 160



SVR EC 160 A



SVR EC 160 B

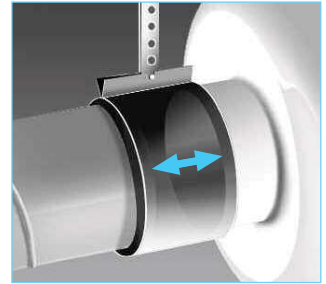


Accessories

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 EC

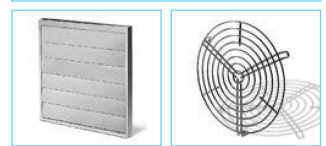
Type MK 4 Ref. no. 5824



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

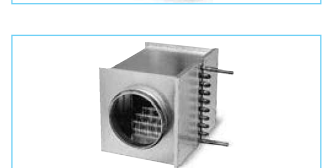
Type EHS Ref. no. 5002



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



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

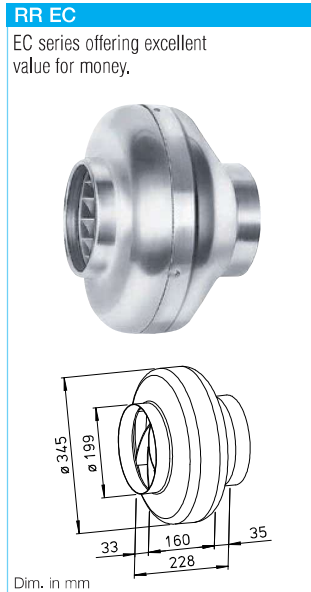
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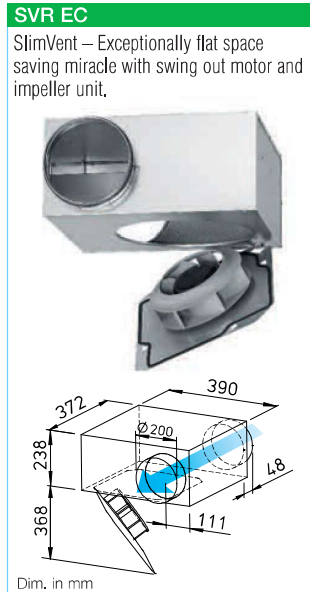
Common features RR EC and SVR EC

- **Motor**
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- **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**
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- **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 for RR EC 200 A 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.

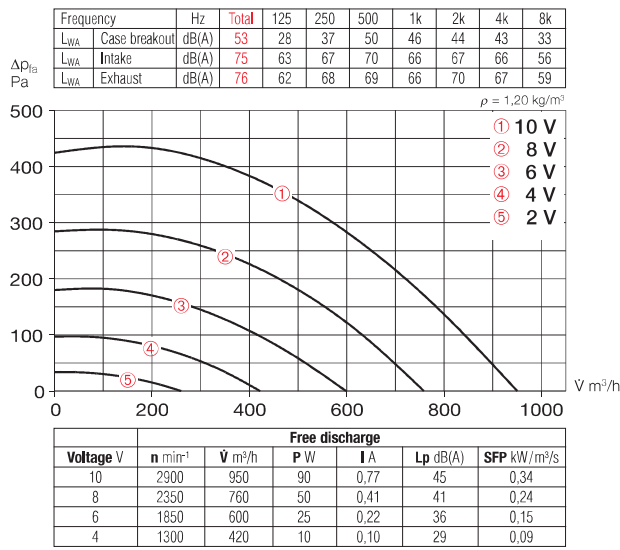
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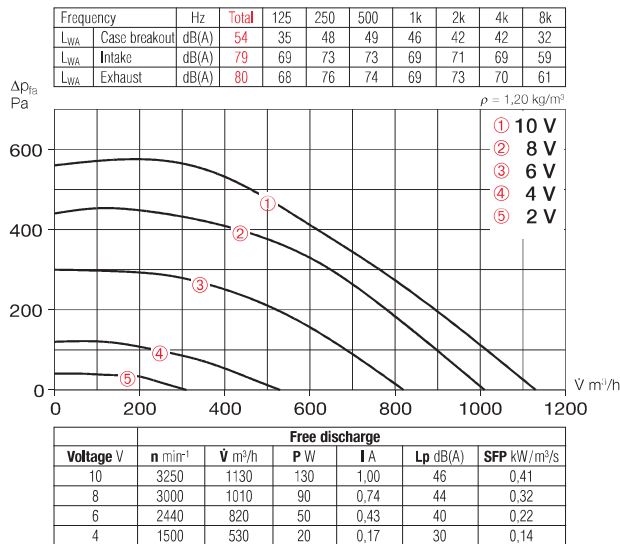
Type	Ref. no.	Connection Ø	Air flow volume (FID)	Nominal R.P.M.	Sound press. case breakout	Power consumption	Current	Wiring diagram	max. air flow temperature	Weight net approx.	Universal control system		Speed-potentiometer			
											Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Type RR EC, 1 Phase motor, 230 V, 50/60 Hz, EC motor, IP 54 (A), IP 44 (B)																
RR EC 200 A	6121	200	950	2900	45	0.12	0.97	979	60	4.0	EUR EC ¹⁾²⁾	1347	PU 10 ¹⁾	1734	PA 10 ¹⁾	1735
RR EC 200 B	5786	200	1130	3250	46	0.15	1.21	979	60	3.7	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 200	2539	200	1030	2870	55	0.16	1.27	979	60	7.4	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

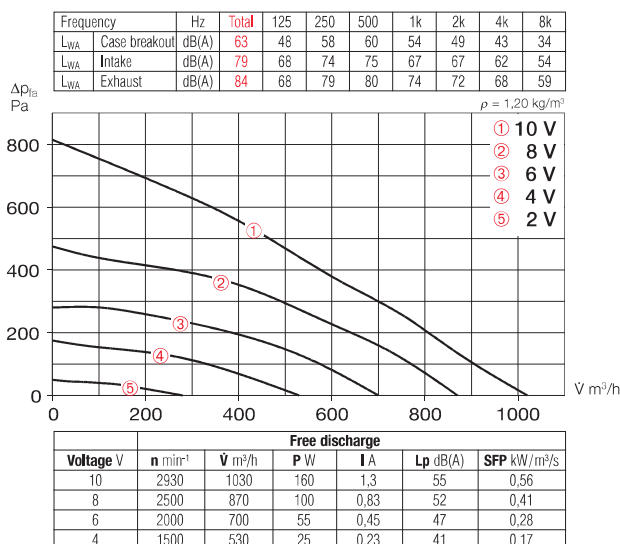
RR EC 200 A



RR EC 200 B



SVR EC 200

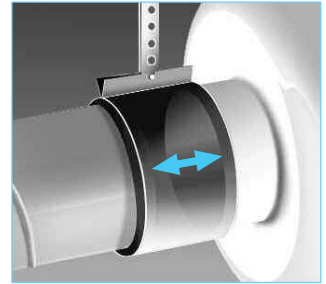


Accessories

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 EC

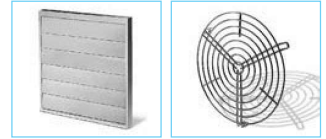
Type MK 4 Ref. no. 5824



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

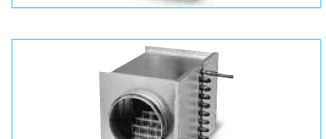
Type EHS Ref. no. 5002



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

