

### RR EC 160



**EC**

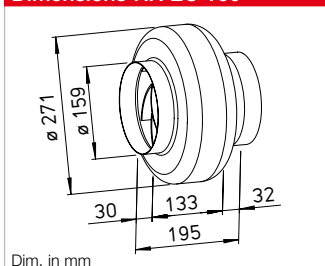
### SVR EC 160



SlimVent – Slimline EC space saver  
w/ retractable motor-impeller unit.

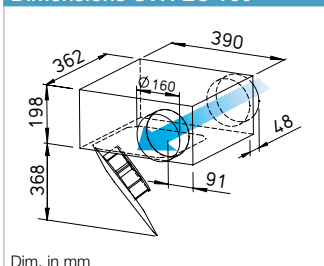
**EC**

### Dimensions RR EC 160



Dim. in mm

### Dimensions SVR EC 160



Dim. in mm

**Energy-saving EC circular duct fans for the delivery medium and small air volumes against high resistances.**

Specifically designed for direct insertion in duct systems. High pressure performance for overcoming friction losses, deflection losses and aggregate resistances. For various applications in commercial, industrial and residential areas.

#### ■ Special features

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

#### Common features RR EC and SVR EC

#### ■ Drive

Energy-saving, speed-controllable EC external rotor motor in protection category IP44 a high level of efficiency. Maintenance-free and ball bearing mounted.

#### ■ Motor protection

Integrated electronic temperature monitoring system for EC motor and electronics.

#### ■ Installation

No restrictions in any position (horizontal, vertical, diagonal) through corresponding installation for supply or extract ventilation. Installation in duct system, preferably away from the room to be ventilated for less noise.

#### Description RR EC

#### ■ Casing

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

#### ■ Power control

Continuously variable speed control with internal (delivery) or external potentiometer or continuously variable speed control with universal control system (see table). Performance levels are shown in the performance curve as an example.

#### ■ Electrical connection

Terminal box (IP54) on outside of casing.

#### ■ Impeller

Centrifugal, with backward curved blades made of plastic. Dynamically balanced together with motor for low-noise operation, high level of efficiency.

#### ■ Protection category

Protection category IP54 through inlet and outlet-side installation in a duct system which prevents the ingress of rainwater.

#### Description SVR EC

#### ■ Casing

Flat casing in compact design made of galvanised steel sheet. Connectors and lip seal on inlet and outlet side for standard duct Ø.

The retractable motor-impeller unit allows inspection and cleaning without dismantling components. The swivelling range must be considered for the inspection opening.

#### ■ Power control

Continuously variable speed control with internal (delivery) or external potentiometer or continuously variable speed control with universal control system (see table). Performance levels are shown in the performance curve as an example.

#### ■ Electrical connection

Terminal box (IP54) on external cable.

#### ■ Impeller

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

#### ■ Protection category

IP44 with connected duct system.

#### ■ Noise

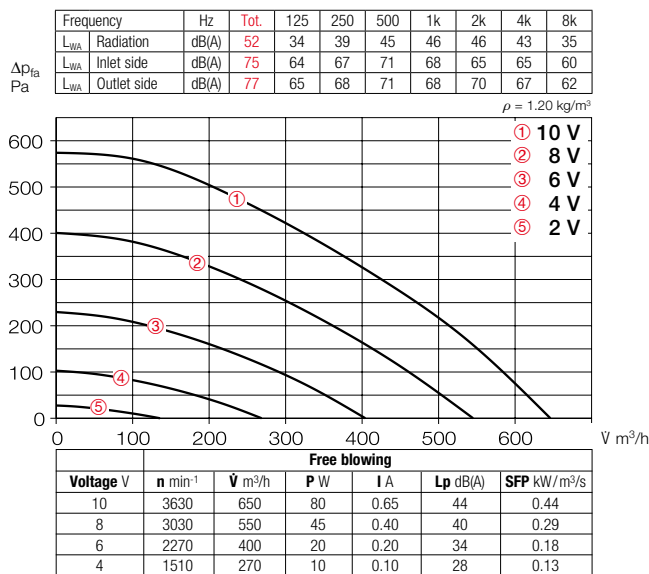
The total level and range are specified above the performance diagram for:

- ☐ Case-radiated sound power
  - ☐ Inlet side sound power
  - ☐ Outlet side sound power.
- The case-radiated noise as sound pressure at 1 m (free field conditions) is also specified in the type table and the table below the performance curve.

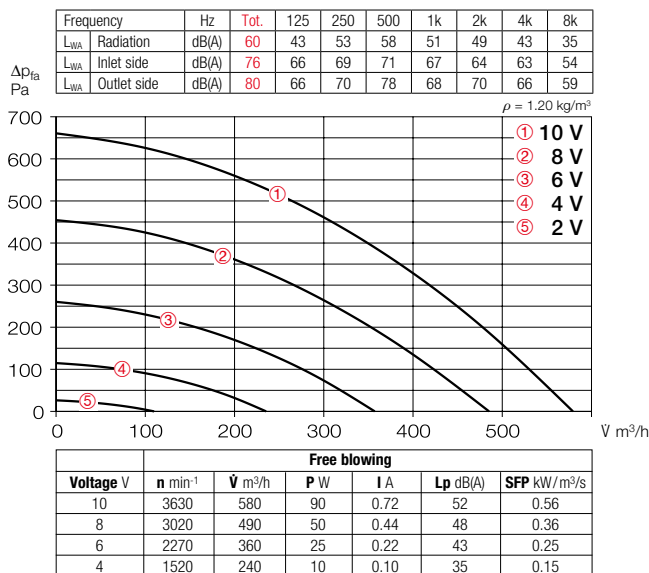
| Type                                                                           | Ref. no. | Connection | Flow rate    | Rated             | Sound press.   | Power consum. | Current | Wiring  | Max. air   | Wgt       | Universal control system |          | Speed potentiometer |          |                     |          |
|--------------------------------------------------------------------------------|----------|------------|--------------|-------------------|----------------|---------------|---------|---------|------------|-----------|--------------------------|----------|---------------------|----------|---------------------|----------|
|                                                                                |          | Ø          | Free blowing | speed             | case radiation |               | consum. | diagram | flow temp. | net aprx. |                          |          | flush-mount.        |          | surf-mount.         |          |
|                                                                                |          | mm         | V m³/h       | min <sup>-1</sup> | dB(A) in 1 m   | kW            | A       | No.     | + °C       | kg        | Type                     | Ref. no. | Type                | Ref. no. | Type                | Ref. no. |
| Type RR EC, Single-phase alternating current, 230 V, 50/60 Hz, EC motor, IP44  |          |            |              |                   |                |               |         |         |            |           |                          |          |                     |          |                     |          |
| RR EC 160                                                                      | 05785    | 160        | 650          | 3640              | 44             | 0.10          | 0.82    | 979     | 60         | 2.8       | EUR EC <sup>1)2)</sup>   | 01347    | PU 10 <sup>1)</sup> | 01734    | PA 10 <sup>1)</sup> | 01735    |
| Type SVR EC, Single-phase alternating current, 230 V, 50/60 Hz, EC motor, IP44 |          |            |              |                   |                |               |         |         |            |           |                          |          |                     |          |                     |          |
| SVR EC 160 A                                                                   | 02535    | 160        | 580          | 3630              | 52             | 0.10          | 0.81    | 979     | 60         | 6.5       | EUR EC <sup>1)2)</sup>   | 01347    | PU 10 <sup>1)</sup> | 01734    | PA 10 <sup>1)</sup> | 01735    |
| SVR EC 160 B                                                                   | 02543    | 160        | 740          | 3110              | 54             | 0.12          | 0.98    | 979     | 60         | 6.9       | EUR EC <sup>1)2)</sup>   | 01347    | PU 10 <sup>1)</sup> | 01734    | PA 10 <sup>1)</sup> | 01735    |

<sup>1)</sup> Multiple EC fans can normally be connected. <sup>2)</sup> alternative electronic diff. pressure/ temperature controller (EDR/ETR, No. 01437/01438) or three level speed switch (SU/SA, No. 04266/04267), see accessories.

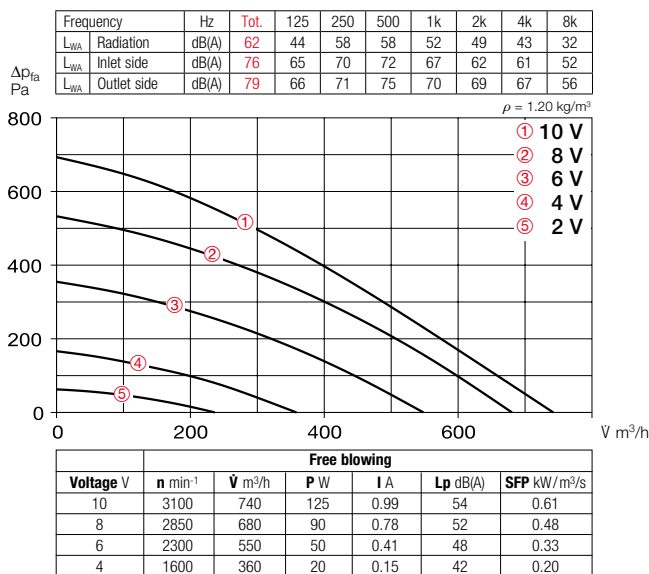
### Performance curves RR EC 160



### Performance curves SVR EC 160 A



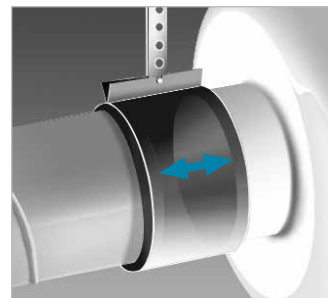
### Performance curves SVR EC 160 B



### Accessories

#### Pipe clamp connectors

**BM 160** Ref. no. 05077  
For structure-borne noise-free connection of fan and piping and for suspension (1 set = 2 pcs). Mount ventilation duct and fan connector at a distance and fold sleeve over during installation.



#### Mounting bracket for RR EC

**MK 4** Ref. no. 05824



#### External wall shutter

**VK 160** Ref. no. 00892  
Automatic made of plastic, white.



#### External wall cover grille

**G 160** Ref. no. 00893  
Made of plastic, white.



#### Protection grille

**SGR 160** Ref. no. 05069  
For inlet and outlet side installation. Made of galvanised steel.



#### Duct shutter

**RSK 160** Ref. no. 05669  
Automatic, made of metal.



#### Flexible cross talk silencer

**FSD 160** Ref. no. 00678  
Made of aluminium pipe with double-sided plug-in connectors. Sound insulation lining 50 mm thick, installation length 1 m.



#### Air filter box

**LFBR 160 Coarse 70%\*** 08578  
**LFBR 160 ePM1 50%\*** 08532  
Air filter with large surface area, for installation in pipeline.



#### Electric heating element

**EHR-R 1.2/160** 1.2 kWNo.09434  
**EHR-R 2.4/160** 2.4 kWNo.09435  
**EHR-R 5/160** 5.0 kWNo.08710  
– with integrated temp. control  
**EHR-R 2.4/160 TR** 2.4 kWNo.05294  
Room or duct sensor (TFK/TFR, Accessories) required.



#### Temperature control system for electric heating element

**EHR-R**  
**EHS** Ref. no. 05002



#### Warm water heating element

**WHR 160** Ref. no. 09481  
Compact heat exchanger for installation in duct system.



#### Temperature control system for warm water heating element

**WHST 300 T38** Ref. no. 08817



\* See product page 486 for detailed description.