

**KR 180**



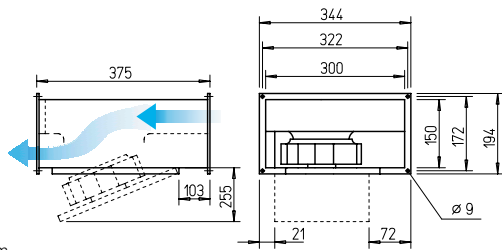
Designed for the delivery of contaminated air.

**KR 225**



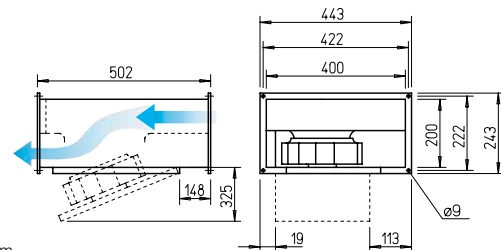
Designed for the delivery of contaminated air.

**Dimensions KR 180**



Dim. in mm

**Dimensions KR 225**



Dim. in mm

**Centrifugal EC rectangular duct fans with backward curved impeller blades. Retractable motor-impeller unit.**

- High-performance impellers with high efficiency.
- Use in extract air and intake air systems for the delivery of larger volume flows.
- Non-critical for the delivery of contaminated air.

**Special features**

- High-pressure and high-volume centrifugal fan with high efficiency.
- Particularly easy to service (cleaning) due to retractable motor-impeller unit.
- Easily accessible for cleaning and thus designed for the delivery of contaminated air.
- Compact design, low space requirement, linear rectangular duct throughflow.

**Description**

- **Casing**  
Made of galvanised steel sheet. Double-sided rectangular duct flange profiles (20 mm) for installation in rectangular duct system.
- **Impeller**  
Centrifugal, with backward curved blades made of plastic and galvanised steel. Aerodynamically optimised, inlet via nozzle.
- **Drive**  
Through maintenance-free external rotor motor on which the impeller is mounted. Closed design. Protection category IP44. Winding with moisture proof coating. Ball bearing mounted, radio interference-free. Motor and impeller dynamically balanced.

■ **Motor protection**

Through built-in thermal contacts wired in series to the winding, automatically resetting.

■ **Power control**

Through voltage reduction using 5-step transformer or electronically (continuously variable). The performances at corresponding voltages are shown in the performance diagram.

■ **Electrical connection**

Terminal box (IP54) mounted to external cable.

■ **Installation**

Installation possible in any position. Note accessibility/swivelling range.

■ **Noise**

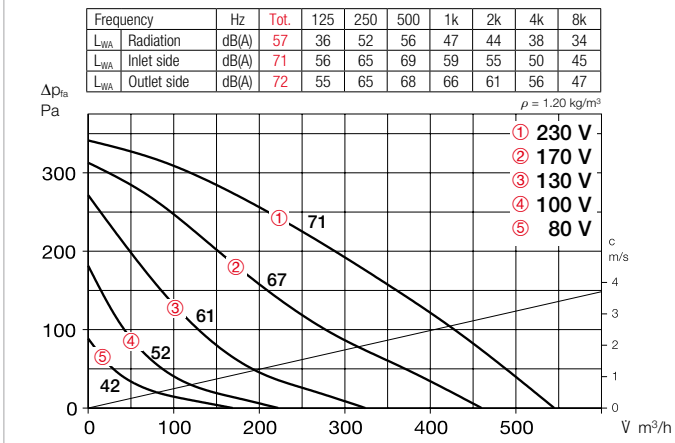
The total level and range are specified above the performance diagram for:

- Case-radiated sound power
  - Inlet side sound power
  - Outlet side sound power
- The inlet side sound power level is also specified above the control voltages in the performance diagram.
- The case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table.

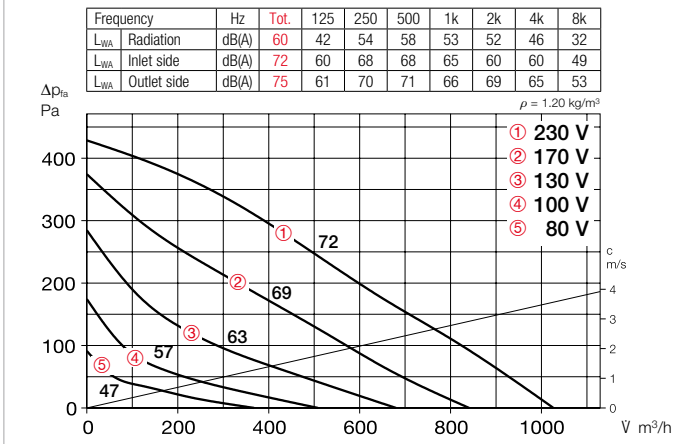
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Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case-radiation	Power consumption		Wiring diagram	Max. air flow temp. at		Wgt net approx.	Speed controller					
					kW	A		Rat. vol.	Control		kg	Transformer 5-step	surface-mount., electronic	flush-mount., electronic		
		V m³/h	min⁻¹	dB(A) in 4 m			No.	+ °C	+ °C		Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
<b>Single-phase alternating current, Capacitor motor, 230 V, 50 Hz, protection category IP44</b>																
<b>KRW 180/2/30/15</b>	08885	540	2460	37	0.06	0.35	508	70	70	5.5	<b>TSW 1.5</b>	01495	<b>ESA 1</b>	00238	<b>ESU 1</b>	00236
<b>KRW 225/2/40/20</b>	08886	1020	2530	40	0.12	0.46	508	70	70	9.8	<b>TSW 1.5</b>	01495	<b>ESA 1</b>	00238	<b>ESU 1</b>	00236

**Performance curves KRW 180/2/30/15**



**Performance curves KRW 225/2/40/20**



**Accessory details Page**

Shutters and weather prot. grille	480, 561 ff.
Filters, heating elements and silencers	481 ff.
Temperature control systems for heating elements	487, 492 f.
Speed controllers and motor protection circuit breakers	599 ff.

**Accessories**

**External wall shutter**

**VK 30/15** Ref. no. 00735  
**VK 40/20** Ref. no. 00874

Automatic overpressure shutter made of light grey plastic.

**Weather protection grille**

**WSG 30/15** Ref. no. 00108  
**WSG 40/20** Ref. no. 00109

Stable construction made of extruded aluminium profiles.

**Multi-leaf damper for rectangular duct installation**

**JVK 30/15** Ref. no. 06927  
**JVK 40/20** Ref. no. 06910

With double-sided flanges. electrical drive see STM, Accessories.

**Fitting**

**FSK 30/15** Ref. no. 00831  
**FSK 40/20** Ref. no. 00832

For integration of rectangular duct fans in round duct systems with Ø 160 or 200 mm.

**Flexible connector**

**VS 30/15** Ref. no. 06928  
**VS 40/20** Ref. no. 05694

Flexible rectangular duct connector with double-sided flange frame.

**Counter flange**

**GF 30/15** Ref. no. 06918  
**GF 40/20** Ref. no. 06919

Flange frame made of galvanised steel sheet for connection to the rectangular duct.

**Rectangular duct silencer**

**KSD 40/20** Ref. no. 08728  
For outlet and inlet side insertion in the rectangular duct system.

**Rectangular duct air filter**

**KLF 40/20 Coarse 70%\*** 08720  
**KLF 40/20 ePM1 50%\*** 08644

With large bag filter. Galvanised steel sheet casing with double-sided flanges.

**Electric heating element**

**EHR-K 6/40/20** No. 08702  
**EHR-K 15/40/20** No. 08703

Closed tubular heating element in galvanised steel sheet casing with double-sided connection flanges.

**Temperature control system for electric heating element**

**EHSD 16** Ref. no. 05003

**Warm water heating element**

**WHR 2/40/20** Ref. no. 08782  
**WHR 4/40/20** Ref. no. 08783

For installation in rectangular duct system.

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

**WHS HE** Ref. no. 08319



Rectangular duct fans

\* See product page 477 for detailed description.