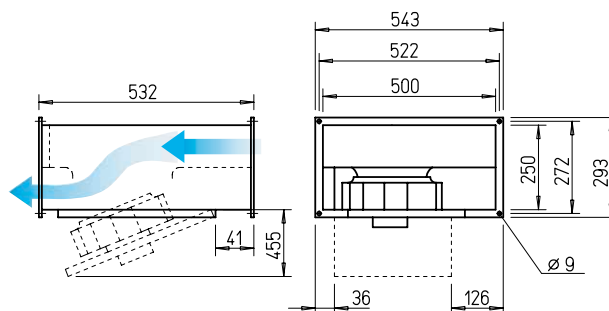


KR 225



Designed for the delivery of contaminated air.

Dimensions KR 225



Dim. in mm

Radial 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.
- Linear throughflow.
- Compact design, convenient installation.

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. 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. 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**

Note accessibility/swivel angle. May only be installed with the inspection panel at the bottom or at the side.

■ **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.

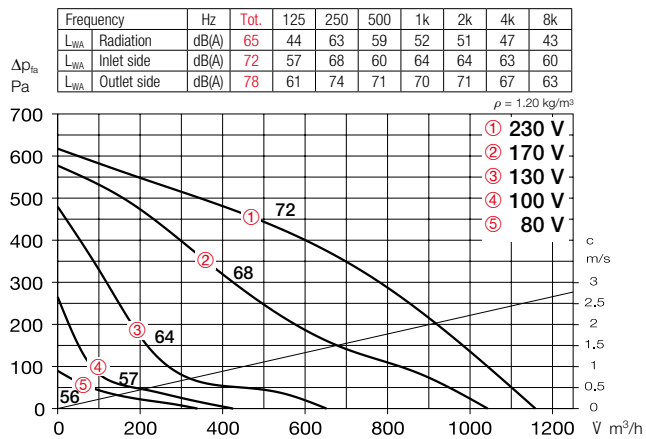
■ **Reference**

Page

Selection table	439
Techn. description	438
Planning information	14 ff.
Modular system	436

Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case-radiation	Power consumption		Wiring diagram	Max. air flow temp. at		Wgt net aprx.	Speed controller					
											Transformer 5-step		surface-mount., electronic		flush-mount., electronic	
		m^3/h	min^{-1}	dB(A) in 4 m	kW	A	No.	$^{\circ}\text{C}$	$^{\circ}\text{C}$	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Single-phase alternating current, Capacitor motor, 230 V, 50 Hz, protection category IP44																
KRW 225/2/50/25	08873	1160	2680	45	0.17	0.73	508	70	60	15.0	TSW 1.5	01495	ESA 1	00238	ESU 1	00236

Performance curves KRW 225/2/50/25



Accessory details	Page
Shutters and weather prot. grille	482, 563 ff.
Filters, heating elements and silencers	483 ff.
Temperature control systems for heating elements	489, 494 f.
Speed controllers and motor protection circuit breakers	601 ff.

Accessories

External wall shutter

VK 50/25 Ref. no. 00875
Automatic overpressure shutter made of light grey plastic.

Weather protection grille

WSG 50/25 Ref. no. 00110
Stable construction made of extruded aluminium profiles, natural colour anodised.

Multi-leaf damper for rectangular duct installation

JVK 50/25 Ref. no. 06911
Frame casing with double-sided flanges, positioning mechanism outside of air flow. Electrical drive see STM, Accessories.

Fitting

FSK 50/25 Ref. no. 00833
For integration of rectangular duct fans in round duct systems with Ø 250 mm.

Flexible connector

VS 50/25 Ref. no. 05695
Flexible rectangular duct connector with double-sided flange frame.

Counter flange

GF 50/25 Ref. no. 06920
Flange frame made of galvanised steel sheet for connection to the rectangular duct.

Rectangular duct silencer

KSD 50/25-30 Ref. no. 08729
For outlet and inlet side insertion in the rectangular duct system.

Rectangular duct air filter

KLF 50/25-30 Coarse 70%* 08721
KLF 50/25-30 ePM1 50%* 08645
With large bag filter. Galvanised steel sheet casing with double-sided flanges.

Electric heating element

EHR-K 8/50/25-30 No. 08704
EHR-K 24/50/25-30 No. 08705
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 2/50/25-30 No. 08784
WHR 4/50/25-30 No. 08785
For installation in rectangular duct system.

Temperature control system for warm water heating element

WHS HE Ref. no. 08319



* See product page 477 for detailed description.