

KR 400/450/500



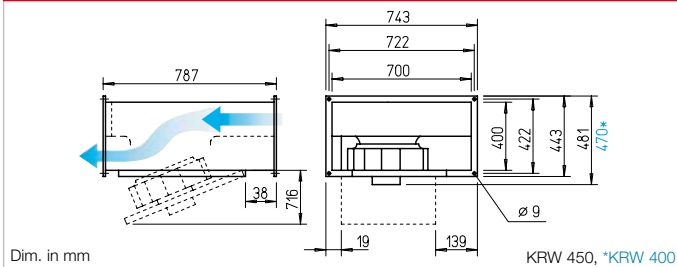
Designed for the delivery of contaminated air.

SKR 400/450/500 – sound-insulated

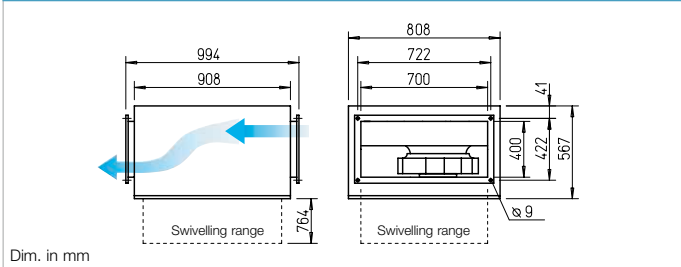


Lowest noise levels for inlet side and case radiation with high performance density. Use in extract air and intake air systems with specific noise level requirements.

Dimensions KR 400/450/500



Dimensions SKR 400/450/500 – sound-insulated



Features KR and SKR

- 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 KR**
Made of galvanised steel sheet. Double-sided rectangular duct flange profiles (20 mm) for installation in rectangular duct system.
- **Casing SKR**
Like above, but with additional sound insulation cladding made of 50 mm thick mineral fibre boards. With a sound absorbing lining on the inside.

Special features SKR

- Lowest noise levels for inlet side and case radiation with high performance density.

Common features KR and SKR

- **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 IP54. Winding with moisture proof coating. Ball bearing mounted, radio interference-free. Motor and impeller dynamically balanced.

■ **Motor protection**

Through built-in thermal contacts via triggering device (Accessories).

■ **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**

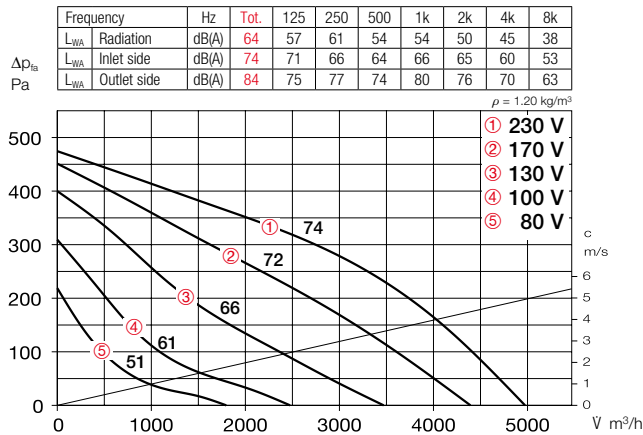
The total level and range are specified above the performance diagram for:

- 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.

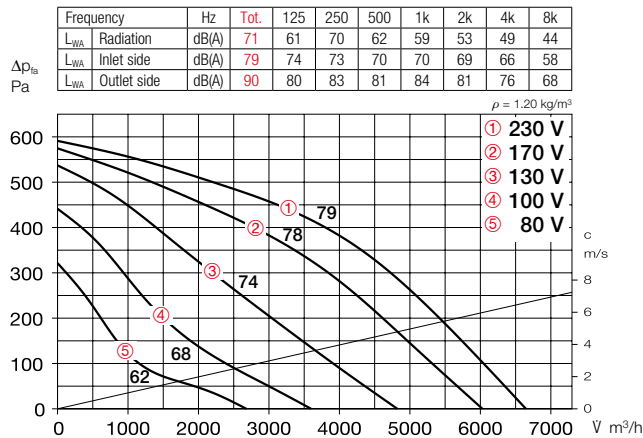
Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case- radiation	Power consumption		Wiring diagram	Max. air flow temp. at		Wgt net appr.	Speed controller 5-step with motor protection circuit breaker		Motor protection circuit breaker for connection of built-in thermal contacts		
					kW	A		Rat. vol.	Control		kg	Type	Ref. no.	Type	Ref. no.
Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, protection category IP54															
KRW 400/4/70/40	06150	4970	1320	44	0.57	2.60	536.1	60	60	39.0	MWS 5	01949	MW	01579	
KRW 450/4/70/40	06151	6650	1390	51	1.04	4.80	536.1	60	60	38.7	MWS 7.5	01950	MW	01579	
Three-phase current motor, 230/400 V, 50 Hz, protection category IP54															
KRD 450/4/70/40 ¹⁾²⁾	08694	5830	1430	47	0.82	2.80/1.60	860	60	40	48.5	RDS 4	01316	MD	05849	
Sound-insulated SKR – Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, protection category IP54															
SKRW 400/4/70/40	06143	4940	1330	42	0.53	2.40	536.1	60	60	62.0	MWS 5	01949	MW	01579	
Sound-insulated SKR – Three-phase current motor, 230/400 V, 50 Hz, protection category IP54															
SKRD 450/4/70/40	08196	5430	1430	46	0.82	2.70/1.60	860	60	40	69.3	RDS 4	01316	MD	05849	
SKRD 500/6/70/40 ¹⁾	08197	4620	920	36	0.40	1.40/0.82	860	60	60	64.1	RDS 2	01315	MD	05849	

1) Performance diagram at www.HeliosSelect.de. 2) Dimensional drawing at www.HeliosSelect.de.

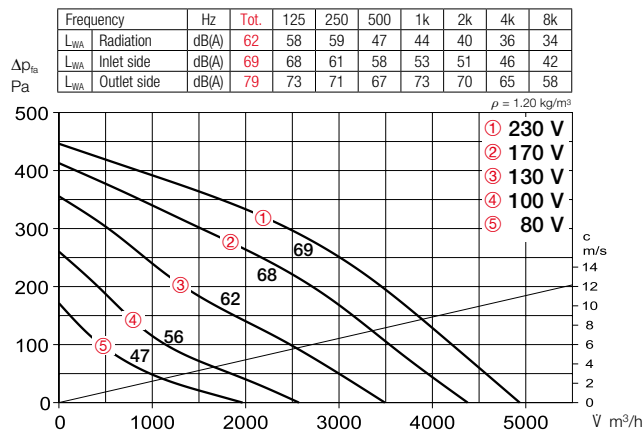
Performance curves KRW 400/4/70/40



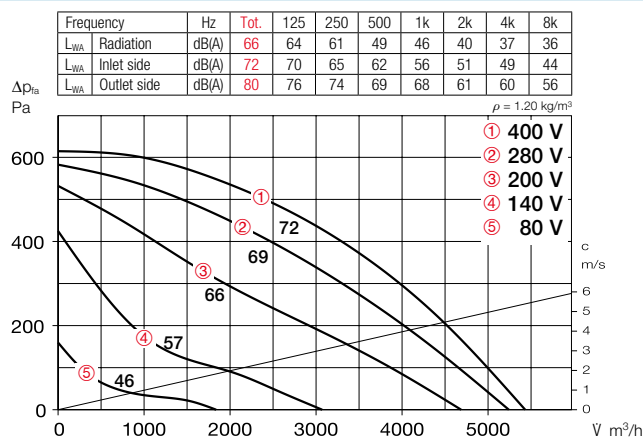
Performance curves KRW 450/4/70/40



Performance curves SKRW 400/4/70/40



Performance curves SKRD 450/4/70/40



Accessories

External wall shutter

VK 70/40 Ref. no. 00879
Automatic overpressure shutter made of light grey plastic.



Weather protection grille

WSG 70/40 Ref. no. 00114
Stable construction made of extruded aluminium profiles, natural colour anodised.



Multi-leaf damper for rectangular duct installation

JVK 70/40 Ref. no. 06915
Frame casing with double-sided flanges, positioning mechanism outside of air flow. Electrical drive see STM, Accessories.



Fitting

FSK 70/40 Ref. no. 00840
For cost-effective integration of rectangular duct fans in round duct systems with Ø 400 mm.



Flexible connector

VS 70/40 Ref. no. 05699
Flexible rectangular duct connector with double-sided flange frame.



Counter flange

GF 70/40 Ref. no. 06924
Flange frame made of galvanised steel sheet for connection to the rectangular duct.



Rectangular duct silencer

KSD 70/40 Ref. no. 08731
For outlet and inlet side insertion in the rectangular duct system.



Rectangular duct air filter

KLF 70/40 Coarse 70%* 08723
KLF 70/40 ePM1 50%* 08647
With large bag filter. Galvanised steel sheet casing with double-sided flanges.



Warm water heating element

WHR 2/70/40 Ref. no. 08788
WHR 4/70/40 Ref. no. 08789
For installation in rectangular duct system.



Temperature control system for warm water heating element

WHS HE¹⁾ Ref. no. 08319
¹⁾ With heat output reduced to 2200 l/h for Type WHR 4/70/40.



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.

* See product page 477 for detailed description.