

KR 355



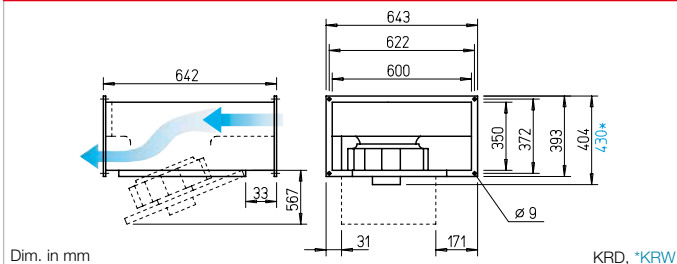
Designed for the delivery of contaminated air.

SKR 355 – sound-insulated

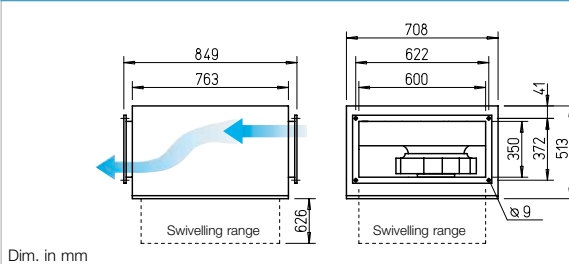


Lowest noise levels for inlet side and case radiation with high performance density. Use in extract air and intake air systems with specific noise level requirements.

Dimensions KR 355



Dimensions SKR 355 – 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.

Special features SKR

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

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.

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.

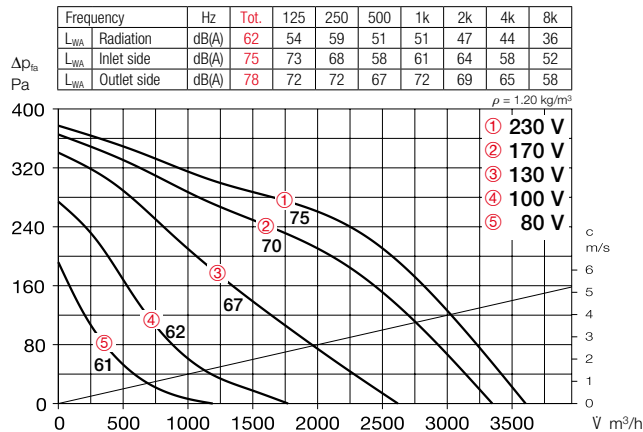
Noise

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

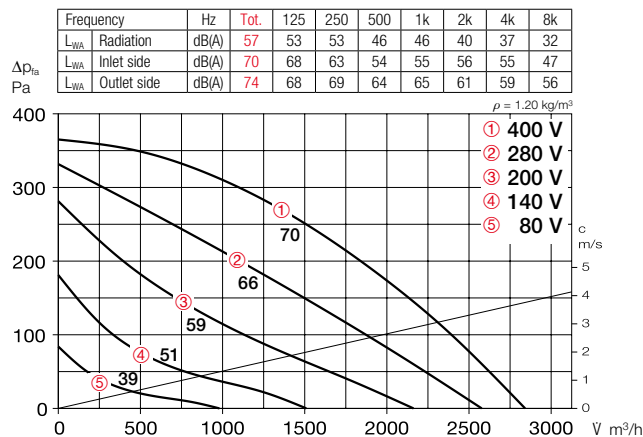
- Case-radiated sound power
 - Inlet side sound power
 - Outlet side sound power
- The inlet side sound power level is also specified above the control voltages in the performance diagram.
- The case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table.

Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case- radiation	Power consumption		Wiring diagram	Max. air flow temp. at		Wgt net aprx.	Speed controller 5-step with motor protection circuit breaker	Motor protection circuit breaker for connection of built-in ther- mal contacts		
		ṽ m³/h	min ⁻¹	dB(A) in 4 m	kW	A	No.	Rat. vol.	Control	kg	Type	Ref. no.	Type	Ref. no.
Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, protection category IP54														
KRW 355/4/60/35	08692	3600	1390	42	0.37	1.90	536.1	60	60	28.4	MWS 3	01948	MW	01579
Three-phase current motor, 230/400 V, 50 Hz, protection category IP54														
KRD 355/4/60/35	08584	2840	1330	37	0.25	0.80/0.46	860	60	60	27.2	RDS 1	01314	MD	05849
Sound-insulated SKR – Single-phase alternating current, 230 V, 50 Hz, Capacitor motor, protection category IP54														
SKRW 355/4/60/35	08681	3580	1400	39	0.35	1.82	536.1	60	60	48.8	MWS 3	01948	MW	01579
Sound-insulated SKR – Three-phase current motor, 230/400 V, 50 Hz, protection category IP54														
SKRD 355/4/60/35	08181	2800	1330	34	0.24	0.78/0.45	860	60	60	49.0	RDS 1	01314	MD	05849

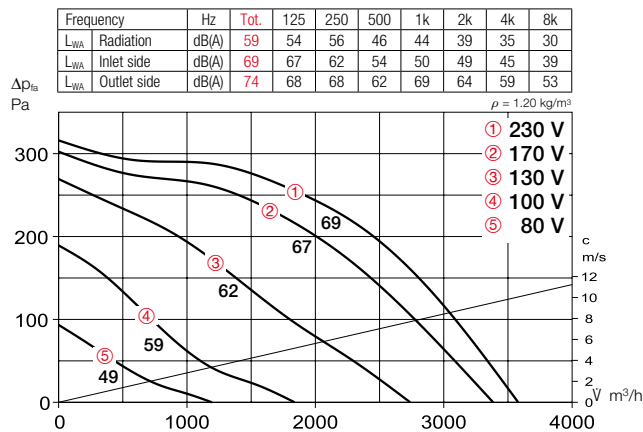
Performance curves KRW 355/4/60/35



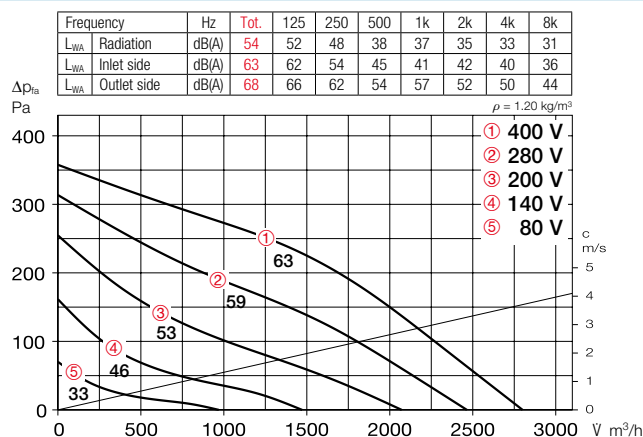
Performance curves KRD 355/4/60/35



Performance curves SKRW 355/4/60/35



Performance curves SKRD 355/4/60/35



Accessories

External wall shutter

VK 60/35 Ref. no. 00878

Automatic overpressure shutter made of light grey plastic.

Weather protection grille

WSG 60/35 Ref. no. 00113

Stable construction made of extruded aluminium profiles, natural colour anodised.

Multi-leaf damper for rectangular duct installation

JVK 60/35 Ref. no. 06914

Frame casing with double-sided flanges, positioning mechanism outside of air flow. Electrical drive see STM, Accessories.

Fitting

FSK 60/35 Ref. no. 00835

For cost-effective integration of rectangular duct fans in round duct systems with Ø 355 mm.

Flexible connector

VS 60/35 Ref. no. 05698

Flexible rectangular duct connector with double-sided flange frame.

Counter flange

GF 60/35 Ref. no. 06923

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

Rectangular duct silencer

KSD 60/30-35 Ref. no. 08730

For outlet and inlet side insertion in the rectangular duct system.

Rectangular duct air filter

KLF 60/30-35 Coarse 70%* 08722

KLF 60/30-35 ePM2.5 65%* 08646

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

Electric heating element

EHR-K 15/60/30-35 No. 08706

EHR-K 30/60/30-35 No. 08707

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

Temperature control system for electric heating element

EHS 16 Ref. no. 05003

Warm water heating element

WHR 2/60/30-35 No. 08786

WHR 4/60/30-35 No. 08787

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 4/60/30-35.

* See product page 477 for detailed description.

