

KR EC 560



Note: Fig. similar. Use two safety arms.
Designed for the delivery of contaminated air.

EC

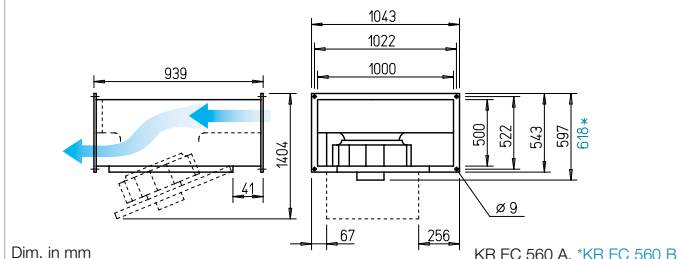
SKR EC 560 – sound-insulated



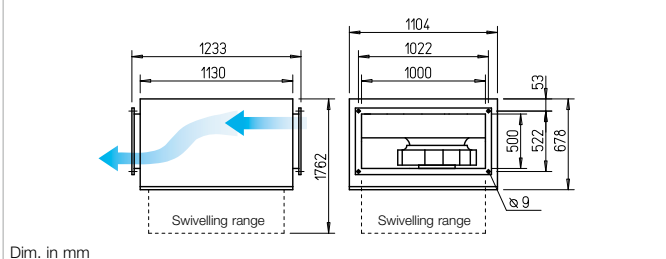
Low noise levels for inlet side and case radiation with high performance density. Use in extract air and intake air systems with specific noise level requirements.

EC

Dimensions KR EC 560



Dimensions SKR EC 560 – sound-insulated



Features KR EC and SKR EC

- Highly efficient EC motor for low operating costs.
- 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 EC**
Made of galvanised steel sheet. Double-sided rectangular duct flange profiles (20 mm) for installation in rectangular duct system.

- Casing SKR EC**
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 EC and SKR EC

- Low noise levels for inlet side and case radiation with high performance density.**
- Impeller**
Centrifugal, with backward curved blades (560 A made of aluminium and 560 B made of plastic). Aerodynamically optimised, inlet via nozzle.

Drive

Energy-efficient, speed-controllable EC external rotor motor with IP44 protection (KRD EC 560/100/50 B and SKRD EC 560/100/50 B IP54) and high efficiency. Maintenance-free and equipped with ball bearings. Motor and impeller dynamically balanced.

Motor protection

Integrated electronic temperature monitoring system for EC motor and electronics.

Power control

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

Electrical connection

Terminal box (IP54) mounted to external cable.

Installation

Installation possible in any position. Note accessibility/swivel angle.

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.

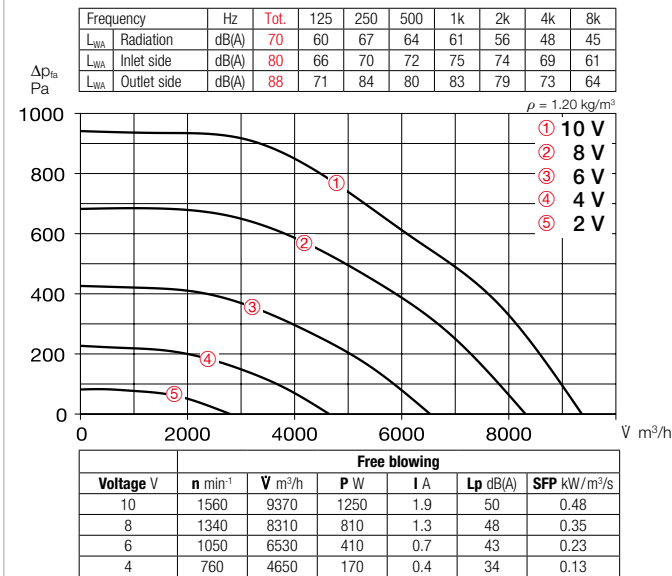
The case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table and in the table below the performance curve.

Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case-radiation	Power con-sum.	Current con-sum.	Prot. cat.	Wiring diagram	Max. air flow temp.	Wgt net aprx.	Universal control system	Speed potentiometer flush-mount.	Speed potentiometer surface-mount.
		V m³/h	min⁻¹	dB(A) in 4 m	kW	A		No.	+ °C	kg	Type Ref. no.	Type Ref. no.	Type Ref. no.
Three-phase current, 3~, 400 V, 50/60 Hz, EC motor													
KRD EC 560/100/50 A	08167	9370	1540	50	1.81	2.80	IP44	1479	60	68.5	EUR EC ¹⁾ 01347	PU 10 ¹⁾ 01734	PA 10 ¹⁾ 01735
KRD EC 560/100/50 B	08175	13590	1640	56	4.01	6.10	IP54	1479	60	92.0	EUR EC ¹⁾ 01347	PU 10 ¹⁾ 01734	PA 10 ¹⁾ 01735
Sound-insulated SKR EC – Three-phase current, 3~, 400 V, 50/60 Hz, EC motor													
SKRD EC 560/100/50 A ³⁾	06130	9370	1540	47	1.81	2.80	IP44	1479	60	92.5	EUR EC ¹⁾ 01347	PU 10 ¹⁾ 01734	PA 10 ¹⁾ 01735
SKRD EC 560/100/50 B	08180	12900	1640	51	3.88	6.00	IP54	1479	60	117.0	EUR EC ¹⁾ 01347	PU 10 ¹⁾ 01734	PA 10 ¹⁾ 01735

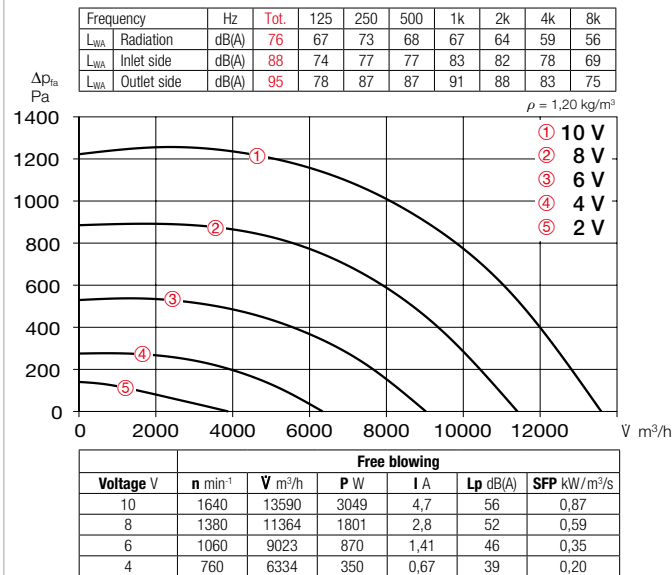
¹⁾ Multiple EC fans can normally be connected. ²⁾ alternative electronic diff. pressure/ temperature controller (EDR/ETR, No. 01437/01438) or three level speed switch (SU/SA, No. 04266/04267), see Accessories.

³⁾ Performance diagram at www.HeliosSelect.de.

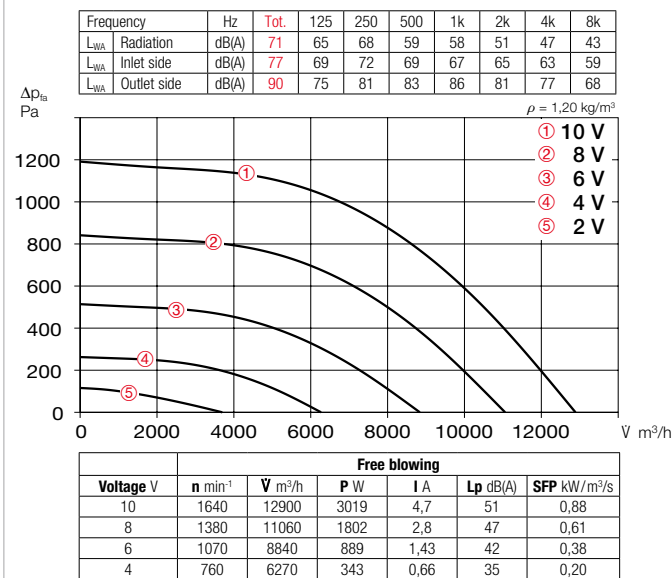
Performance curves KRD EC 560/100/50 A



Performance curves KRD EC 560/100/50 B



Performance curves SKRD EC 560/100/50 B



Accessories

External wall shutter

VK 100/50 Ref. no. 00881
Automatic overpressure shutter made of light grey plastic.

Weather protection grille

WSG 100/50 Ref. no. 00116
Stable construction made of extruded aluminium profiles, natural colour anodised.

Multi-leaf damper for rectangular duct installation

JVK 100/50 Ref. no. 06917
Frame casing with double-sided flanges, positioning mechanism outside of air flow. Electrical drive see STM, Accessories.

Fitting

FSK 100/50 Ref. no. 00843
For cost-effective integration of rectangular duct fans in round duct systems with Ø 500 mm.

Flexible connector

VS 100/50 Ref. no. 05701
Flexible rectangular duct connector with double-sided flange frame.

Counter flange

GF 100/50 Ref. no. 06926
Flange frame made of galvanised steel sheet for connection to the rectangular duct.

Rectangular duct silencer

KSD 100/50 Ref. no. 08733
For outlet and inlet side insertion in the rectangular duct system.

Rectangular duct air filter

KLF 100/50 Coarse 70%* 08671
KLF 100/50 ePM2.5 65%* 08655
With large bag filter. Galvanised steel sheet casing with double-sided flanges.

Warm water heating element

WHR 2/100/50 Ref. no. 08797
WHR 4/100/50 Ref. no. 08798
For installation in rectangular duct system.



Accessory details Page

Shutters and weather prot. grille	482, 563 ff.
Filters, heating elements and silencers	483 ff.
Universal control system, electronic controllers, speed potentiometer	615 ff.

* See product page 477 for detailed description.