

KR EC 180

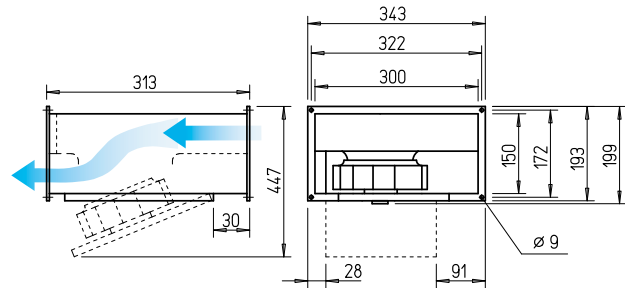


(Fig. similar)



Designed for the delivery of contaminated air.

Dimensions KR EC 180



Dim. in mm

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

- Highly efficient EC motor for the lowest operating costs.
- 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. Aerodynamically optimised, inlet via nozzle.
- **Drive**
Energy-saving, speed-controllable external rotor EC motor in protection category IP44 with the highest level of efficiency. Maintenance-free and radio interference-free, ball bearing mounted. 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/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.

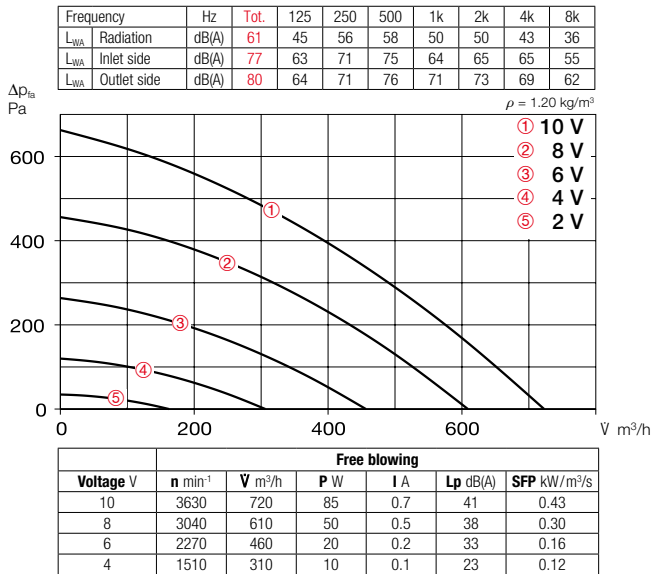
The case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table and in the table below the performance curve.

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Planning information	14 ff.
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Type	Ref. no.	Flow rate Free blowing	Rated speed	Sound press. case-radiation	Power consum.	Current consum.	Wiring diagram	Max. air flow temp.	Wgt net aprx.	Universal control system		Speed potentiometer		
										Type	Ref. no.	Type	Ref. no.	
Alternating current, 1~, 230 V, 50/60 Hz, EC motor, protection category IP44														
KRW EC 180/30/15	08168	720	3560	41	0.10	0.82	979	60	5.2	EUR EC ¹⁾²⁾ 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.

Performance curves KRW EC 180/30/15



Accessories

External wall shutter
VK 30/15 Ref. no. 00735
 Automatic overpressure shutter made of light grey plastic.



Weather protection grille
WSG 30/15 Ref. no. 00108
 Stable construction made of extruded aluminium profiles, natural colour anodised.



Multi-leaf damper for rectangular duct installation
JVK 30/15 Ref. no. 06927
 Frame casing with double-sided flanges, positioning mechanism outside of air flow. Electrical drive see STM, Accessories.



Fitting
FSK 30/15 Ref. no. 00831
 For cost-effective integration of rectangular duct fans in round duct systems with Ø 160 mm.



Flexible connector
VS 30/15 Ref. no. 06928
 Flexible rectangular duct connector with double-sided flange frame.



Counter flange
GF 30/15 Ref. no. 06918
 Flange frame made of galvanised steel sheet for connection to the rectangular duct.



Accessory details	Page
Shutters and weather prot. grille	480, 561 ff.
Filters, heating elements and silencers	481 ff.
Universal control system, electronic controllers, speed potentiometer	613 ff.