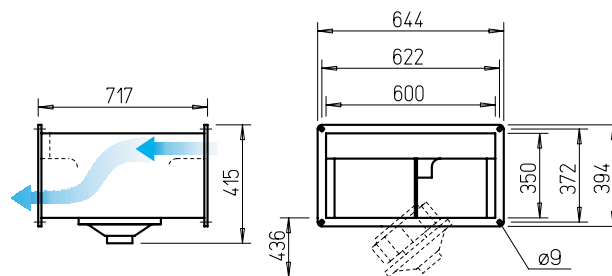


KV 315



Dimensions KV 315



Dim. in mm

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

- Low-noise impeller in optimised volute casing for high delivery pressures.
- Compact, flat design for versatile use in extract air and intake air systems in commercial and industrial buildings.

Description

■ Casing

Double-sided standardised rectangular duct flange profiles, made of galvanised steel sheet, space-saving design.

- Particularly easy to service (cleaning) due to retractable motor-impeller unit.

■ Impeller

Forward curved impeller made of galvanised steel, good level of efficiency, low noise, aerodynamically optimised volute casing; inlet via nozzle.

■ Drive

Through maintenance-free external rotor motor on which the impeller is mounted. Closed design, IP44. Winding with moisture proof coating. Ball bearing mounted. Dynamic balancing and flexible motor mount for low-vibration and low-noise operation.

■ Electrical connection

Terminal box (IP65) mounted to external cable.

■ Motor protection

Through built-in thermal contacts which must be connected to a motor protection circuit breaker.

■ Power control

Possible through voltage reduction by means of 5-step transformer. The performances at corresponding voltages are shown in the performance diagram.

■ 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.

■ Installation

Installation possible in any position. Note accessibility/swivelling range.

■ Explosion-proof design

Thermal motor protection through integrated PTC thermistors which must be connected to a tripping unit MSA. Also approved for speed control, whereby the minimum voltage of 100 V must be respected.

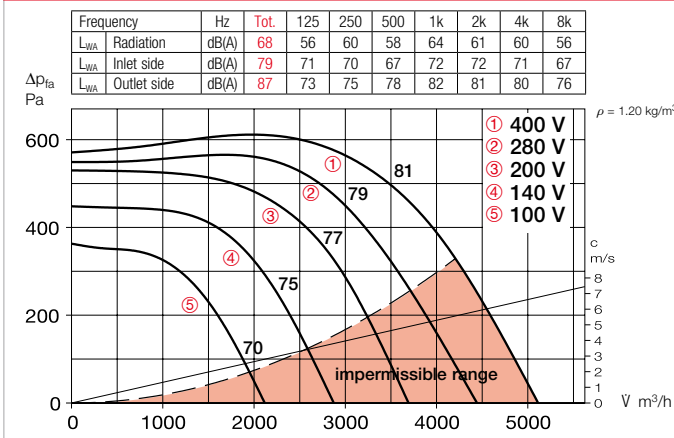
■ Reference

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Type	Ref. no.	Flow rate max.	Rated speed	Sound press. case-radiation	Power consumption		Wiring diagram	Max. air flow temperature at		Wgt net aprx.	Speed controller 5-step		Motor protection circuit breaker for connection of built-in thermal contacts	
					kW	A		Rat. vol.	Control		without motor prot. circ. brea.	with motor prot. circ. brea.	Type	Ref. no.
		m^3/h	min^{-1}	dB(A) in 4 m			No.	+ °C	+ °C	kg	Type	Ref. no.	Type	Ref. no.
Explosion-proof, II 2G Ex h IIB T3 Gb, Motor Ex e, three-phase current 230/400 V, 50 Hz, protection category IP44														
KVD 315/4/60/35 Ex	06813	4200	1370	48	2.0	4.0	0899	40	40	42	TSD 5.5	01503	—	MSA 01289

Performance curves KVD 315/4/60/35 Ex



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 60/35 Ref. no. 00878
 Automatic overpressure shutter made of light grey plastic.



Weather protection grille

WSG 60/35 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 Ex No. 00268
 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 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.



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.