

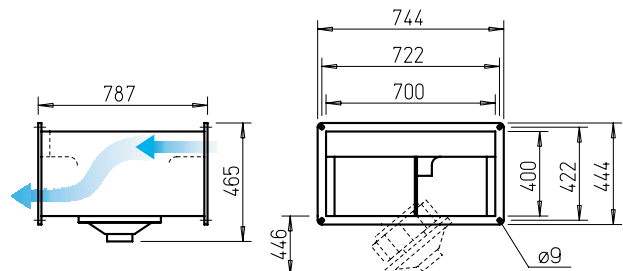
KV 355



Also available in version:



Dimensions KV 355



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, radio interference-free. Dynamic balancing and flexible motor mount for low-vibration and low-noise operation.
- **Electrical connection**
Terminal box (IP55 for 3~ or IP65 for explosion-proof types) 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 or electronic (continuously variable) controller. 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.

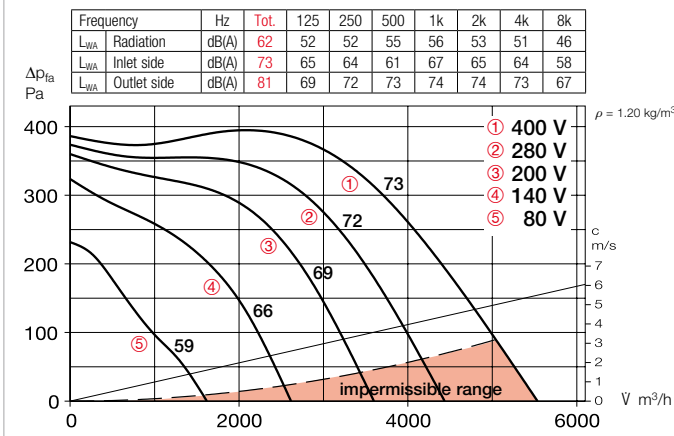
- **Installation**
Installation possible in any position. Note accessibility/swivelling range.

- **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.

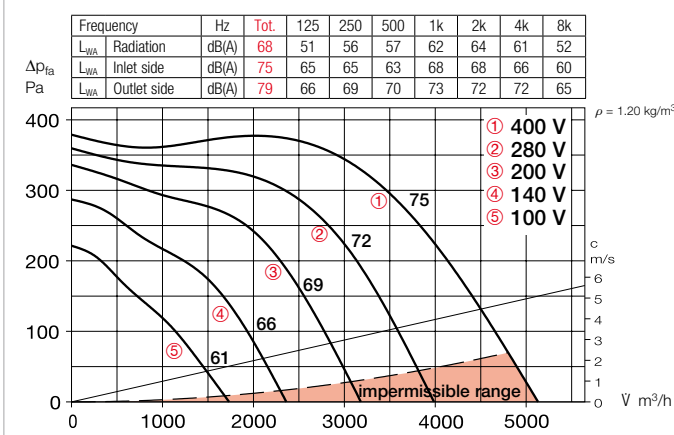
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Type	Ref. no.	Flow rate max.	Rated speed	Sound press. case-radiation	Power consumption		Wiring diagram	Max. air flow temperature at		Wgt net aprx.	Speed controller 5-step				Motor protection circuit breaker for connection of built-in thermal contacts	
					Rat. vol.	Control		without motor prot. circ. brea.	with motor prot. circ. brea.		Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
		V m ³ /h	min ⁻¹	dB(A) in 4 m	kW	A	No.	+ °C	+ °C	kg	Type	Ref. no.	Type	Ref. no.	Type	Ref. no.
Three-phase current motor, 230/400 V, 50 Hz, protection category IP44																
KVD 355/6/70/40	05688	5000	830	42	1.53	5.5/3.2	0860	60	60	54	TSD 5.5	01503	RDS 4	01316	MD	05849
Explosion-proof, II 2G Ex h IIB T3 Gb, Motor Ex e, three-phase current 230/400 V, 50 Hz, protection category IP44																
KVD 355/6/70/40 Ex	06814	4800	800	48	1.80	3.7	0899	40	40	49	TSD 5.5	01503	—	—	MSA	01289

Performance curves KVD 355/6/70/40



Performance curves KVD 355/6/70/40 Ex



Accessories

External wall shutter

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



Weather protection grille

WSG 70/40 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.
– for explosion-proof fans
VS 70/40 Ex No. 00269



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 No. 08788
WHR 4/70/40 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.



* See product page 477 for detailed description.

Accessory details Page

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Filters, heating elements and silencers	475 ff.
Temperature control systems for heating elements	481, 486 f.
Speed controllers and motor protection circuit breakers	593 ff.