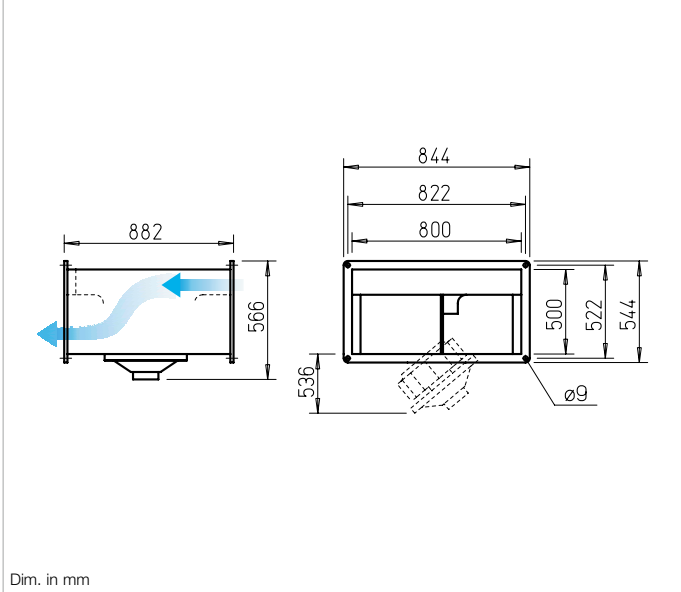


**KV 400**



**Dimensions KV 400**



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) 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.

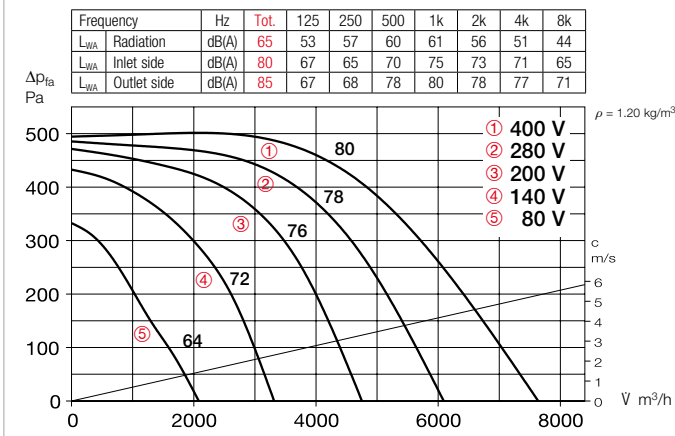
■ **Installation**

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

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Selection table	439
Techn. description	438
Planning information	14 ff.
Modular system	436

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	
		∇ m³/h	min <sup>-1</sup>	dB(A) in 4 m	kW	A		No.	Rat. vol. + °C		Control + °C	kg	Type	Ref. no.	Type	Ref. no.
<b>Three-phase current motor, 230/400 V, 50 Hz, protection category IP44</b>																
<b>KVD 400/6/80/50</b>	05691	7600	860	45	2.81	9.1/5.3	0860	60	60	70	<b>TSD 7.0</b>	01504	<b>RDS 7.0</b>	01578	<b>MD</b>	05849

Performance curves KVD 400/6/80/50



■ Accessories

**External wall shutter**

**VK 80/50** Ref. no. 00880  
 Automatic overpressure shutter made of light grey plastic.



**Weather protection grille**

**WSG 80/50** No. 00115  
 Stable construction made of extruded aluminium profiles, natural colour anodised.



**Multi-leaf damper for rectangular duct installation**

**JVK 80/50** Ref. no. 06916  
 Frame casing with double-sided flanges, positioning mechanism outside of air flow. Electrical drive see STM, Accessories.



**Fitting**

**FSK 80/50** Ref. no. 00842  
 For cost-effective integration of rectangular duct fans in round duct systems with Ø 500 mm.



**Flexible connector**

**VS 80/50** Ref. no. 05700  
 Flexible rectangular duct connector with double-sided flange frame.



**Counter flange**

**GF 80/50** Ref. no. 06925  
 Flange frame made of galvanised steel sheet for connection to the rectangular duct.



**Rectangular duct silencer**

**KSD 80/50** Ref. no. 08732  
 For outlet and inlet side insertion in the rectangular duct system.



**Rectangular duct air filter**

**KLF 80/50 Coarse 70%\*** 08670  
**KLF 80/50 ePM1 50%\*** 08654  
 With large bag filter. Galvanised steel sheet casing with double-sided flanges.



**Warm water heating element**

**WHR 2/80/50** No. 08795  
**WHR 4/80/50** No. 08796  
 For installation in rectangular duct system.



■ **Accessory details** Page

Shutters and weather prot. grille	482, 563 ff.
Filters, heating elements and silencers	483 ff.
Speed controllers and motor protection circuit breakers	601 ff.

\* See product page 477 for detailed description.