

Series
VENTS VKP mini



Compact centrifugal fans in steel casing with the air flow up to **783 m³/h** with permanent air flow maintaining at alternating pressure in the system

■ **Applications**

Supply and exhaust ventilation systems for commercial, office and other public or industrial premises with limited installation space. For connection with round ducts from 80 to 200 mm in diameter. Various casing modifications with the number of inlets from 1 to 6 enable using one fan for air exhaust from several premises simultaneously. This makes ventilation system mounting much easier.

■ **Design**

The fan casing is made of steel with polymeric coating. The minimum casing height enables fan mounting in a limited space. The removable cover provides free access to the motor, ensures easy mounting and enables the fan and air ducts maintenance without dismounting.

■ **Motor**

Single-phase one-, two- or three-speed motor with external rotor and centrifugal impeller with forward curved blades of galvanized steel. Motor is equipped with incorporated overheating protection with automatic restart and ball bearings for long service life designed for at least 40 000 hours. For precise features, safe operation and low noise, each turbine is dynamically balanced while assembly. Motor protection rating IP44.

■ **Speed control**

For single-speed models, smooth or stepped speed control is provided by means of an external thyristor or autotransformer controller (available upon separate order).

The Duo two-speed models are controlled by an external switch for two-speed fans (available upon separate order).

The three-speed models X3 are controlled by an external switch for multi-speed fans (available upon separate order).

■ **Mounting**

Mounting at any angle to the wall is performed with the fastening bracket supplied with the unit. The fan is powered through the external terminal box. Electric connection and mounting shall be performed in compliance with the manual and wiring diagram on the terminal box.



Easy access to motor without fan dismounting



External terminal box for power supply

Designation key

Series	Exhaust spigot diameter	Intake spigot diameter	Number of intake spigots	Type	Motor options
VENTS VKP	80; 100; 125; 150; 200	80; 100; 125; 150; 200	_ 1 (by default); 2; 4; 5; 6	mini	_: single-speed Duo : double-speed X3 : three-speed S : high-powered motor

Accessories



Backdraft damper

Air shutter

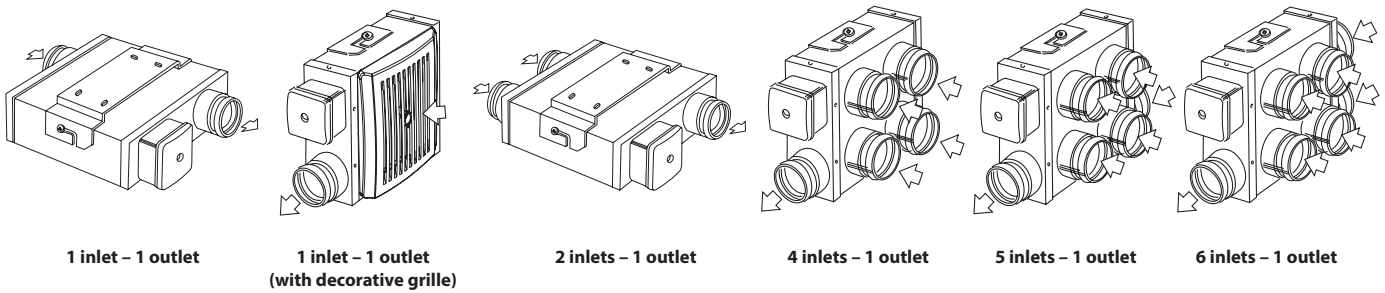
Clamps

Temperature regler

Speed switch

Sensor

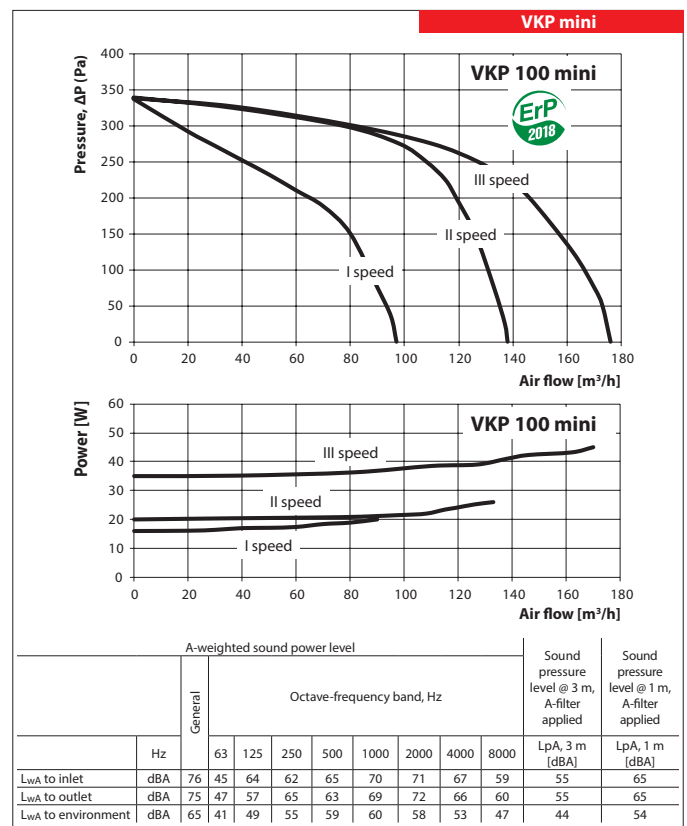
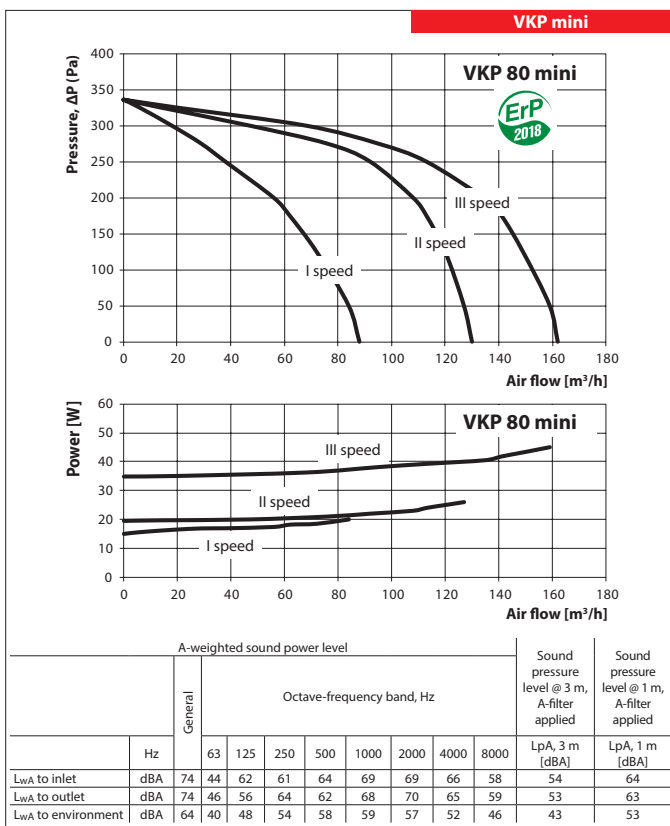
VKP mini fan modifications



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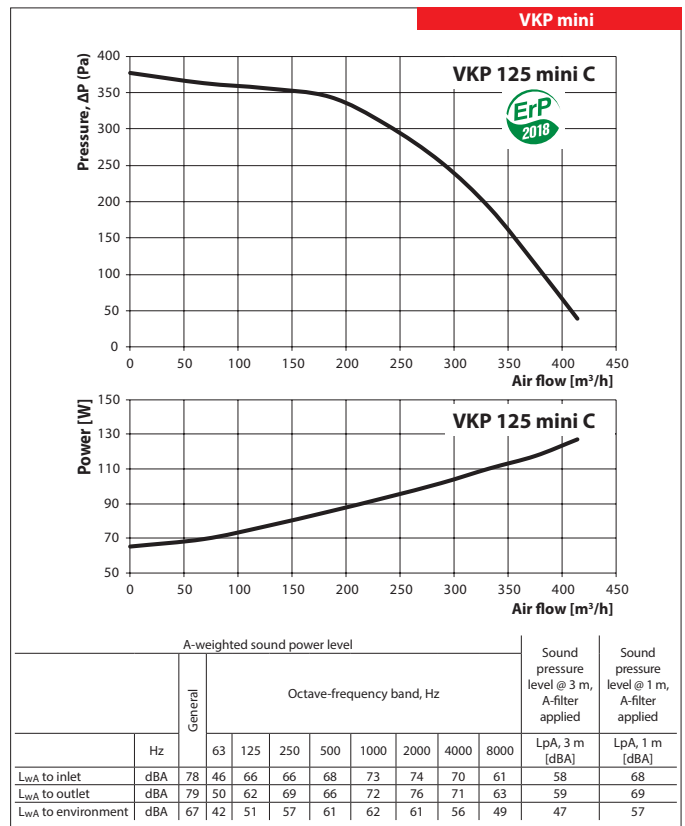
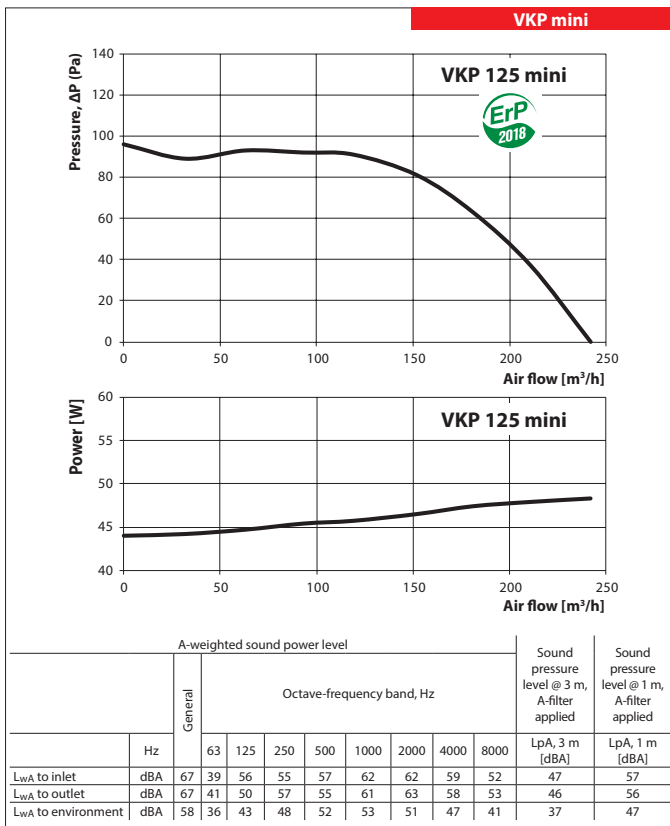
Technical data

	VKP 80 mini X3			VKP 100 mini X3		
	1	2	3	1	2	3
Speed	1	2	3	1	2	3
Voltage [V/50 Hz]	1~230					
Power [W]	20	26	45	20	26	45
Current [A]	0.32	0.34	0.4	0.32	0.34	0.4
Max. air flow [m³/h]	88	130	162	97	138	176
RPM [min ⁻¹]	1400	1800	2600	1400	1800	2600
Sound pressure level at 3 m distance [dBA]	32	35	43	33	36	44
Transported air temperature [°C]	+50					
SEC class	C					
Protection rating	IPX4					



Technical data

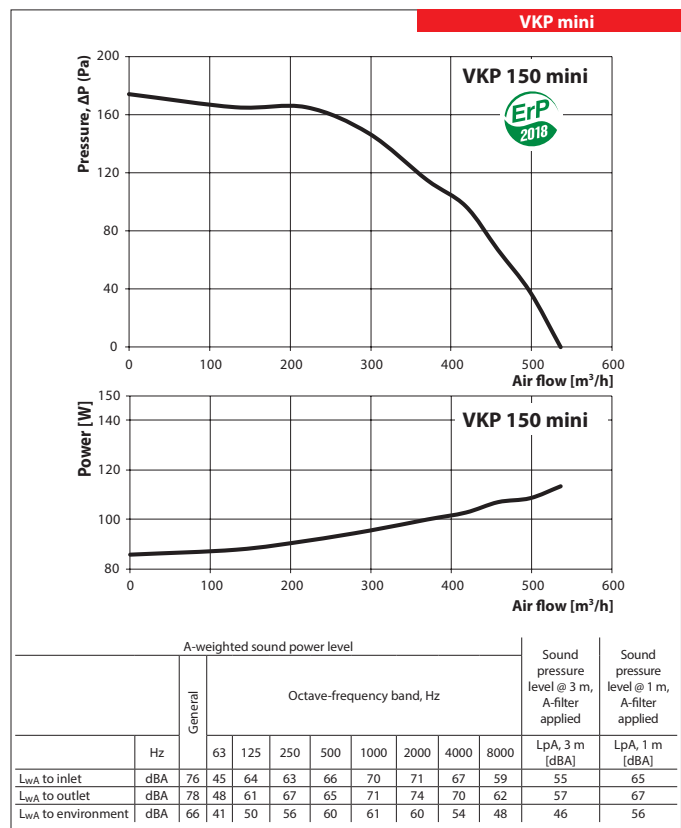
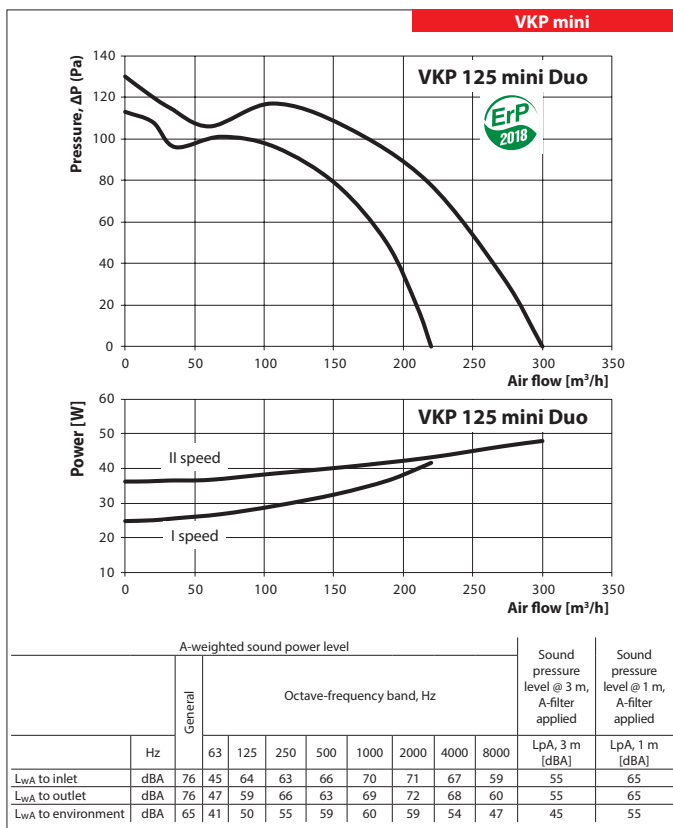
	VKP 125 mini	VKP 125 mini C
Speed	1	1
Voltage [V/50 Hz]	1~230	
Power [W]	48	127
Current [A]	0.22	0.55
Max. air flow [m³/h]	242	414
RPM [min ⁻¹]	1430	2800
Sound pressure level at 3 m distance [dBA]	37	47
Transported air temperature [°C]	+50	
SEC class	C	
Protection rating	IPX4	



Technical data

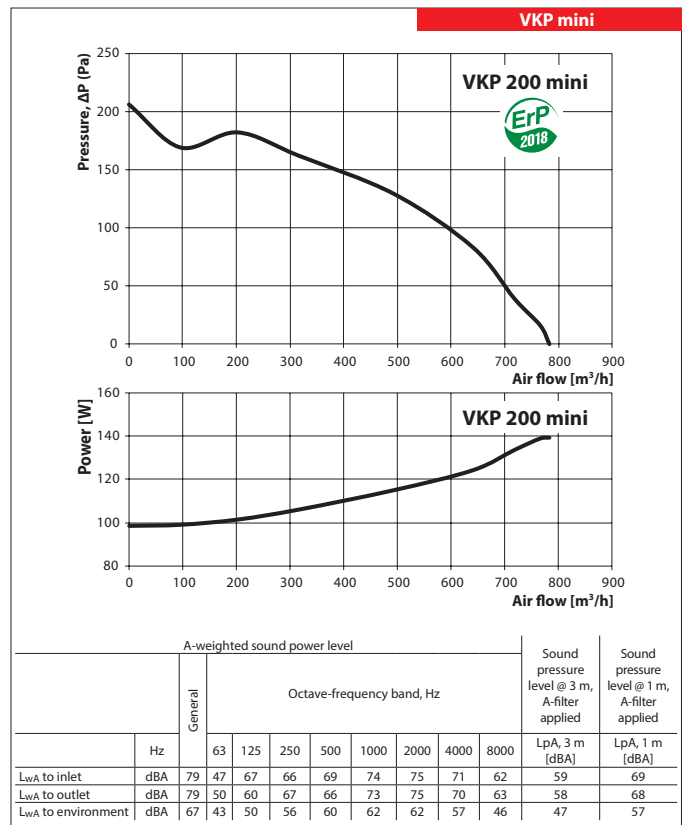
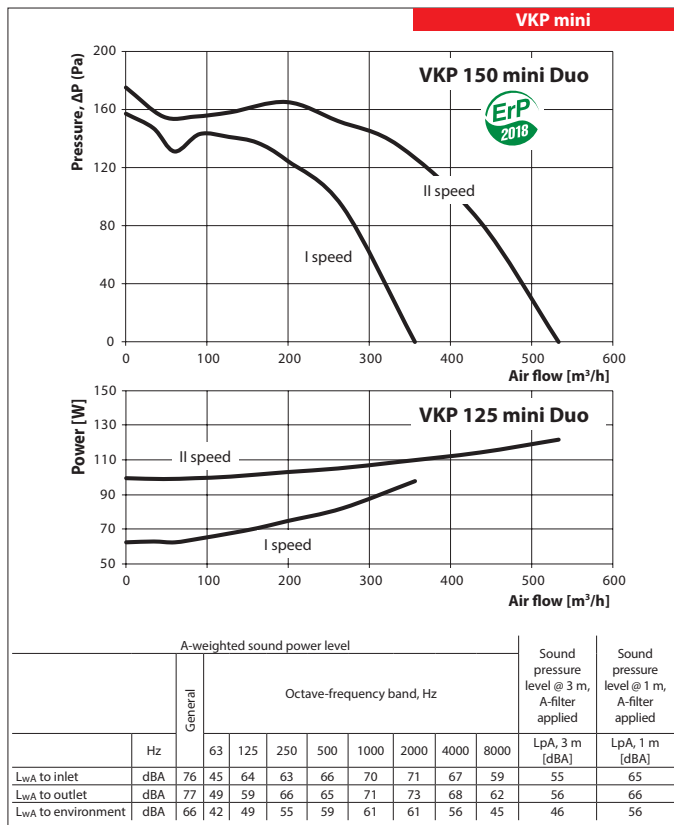
	VKP 125 mini Duo		VKP 150 mini
Speed	1	2	1
Voltage [V/50 Hz]	1~230		1~230
Power [W]	42	48	113
Current [A]	0.18	0.22	0.52
Max. air flow [m³/h]	220	300	536
RPM [min ⁻¹]	1960	2610	1050
Sound pressure level at 3 m distance [dBA]	39	45	46
Transported air temperature [°C]	+50		
SEC class	C		
Protection rating	IPX4		

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Technical data

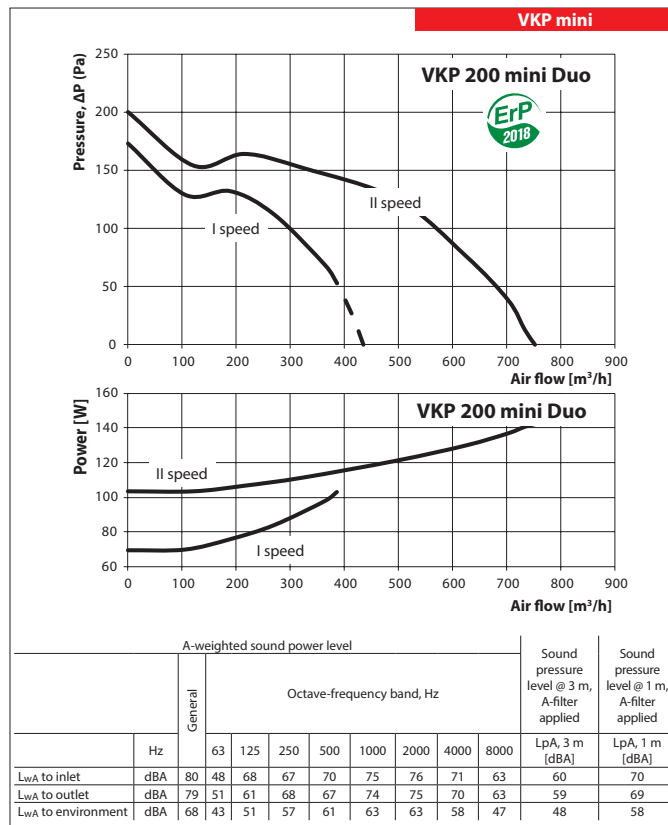
	VKP 150 mini Duo		VKP 200 mini
Speed	1	2	1
Voltage [V/50 Hz]			
Power [W]	98	122	139
Current [A]	0.43	0.56	0.61
Max. air flow [m³/h]	356	533	783
RPM [min ⁻¹]	750	870	950
Sound pressure level at 3 m distance [dBA]	45	46	47
Transported air temperature [°C]	+50		
SEC class	C		
Protection rating	IPX4		



Technical data

	VKP 200 mini Duo	
	1	2
Speed	1	2
Voltage [V/50 Hz]		
Power [W]	103	142
Current [A]	0.45	0.63
Max. air flow [m³/h]	460	752
RPM [min ⁻¹]	770	1200
Sound pressure level at 3 m distance [dBA]	46	48
Transported air temperature [°C]	+50	
SEC class	C	
Protection rating	IPX4	

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Fan overall dimensions

Type	Dimensions [mm]								Mass [kg]	Fig.no.
	∅D	∅D1	B	H	H1	L	L1	L2		
VKP 80 mini X3	79	79	252	90	–	351	–	253	2.0	3
VKP 100 mini X3	99	99	252	110	–	351	–	253	3.37	3
VKP 80 P mini X3	79	–	252	90	126	–	297	253	2.0	1
VKP 100 P mini X3	99	–	252	90	144	–	297	253	3.37	1
VKP 80/80*2 mini X3	79	79	252	90	–	351	–	253	3.28	5
VKP 100/100*2 mini X3	99	99	252	110	–	351	–	253	3.48	5
VKP 80/80*4 mini X3	79	79	252	90	136	–	297	253	3.28	2
VKP 100/100*4 mini X3	99	99	252	110	166	–	297	253	3.48	2
VKP 100/80*2 mini X3	99	79	252	110	–	351	–	253	3.48	5
VKP 100/80*4 mini X3	99	79	252	110	166	–	297	253	3.48	2
VKP 80/80*5 mini X3	79	79	252	90	136	351	–	253	3.28	4
VKP 80/80*6 mini X3	79	79	252	90	136	351	–	253	3.30	6
VKP 100/80*6 mini X3	99	79	252	110	166	351	–	253	3.73	6
VKP 100/80*5 mini X3	99	79	252	110	166	351	–	253	3.73	4
VKP 100/100*5 mini X3	99	99	252	110	166	351	–	253	3.73	4
VKP 100/100*6 mini X3	99	99	252	110	166	351	–	253	3.73	6
VKP 125 mini	124	124	270	141	–	397	–	299	5.20	7
VKP 125 mini C	124	124	270	141	–	397	–	299	5.80	7
VKP 125 mini Duo	124	124	303	152	–	430	–	330	6.00	7
VKP 150 mini	149	149	340	207	–	447	–	350	7.10	7
VKP 150 mini Duo	149	149	340	207	–	447	–	350	7.70	7
VKP 200 mini	198	198	362	222	–	494	–	397	8.80	7
VKP 200 mini Duo	198	198	362	222	–	494	–	397	8.80	7

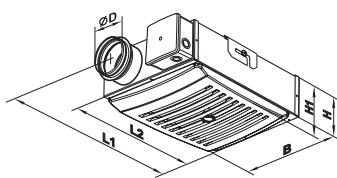


Fig. 1

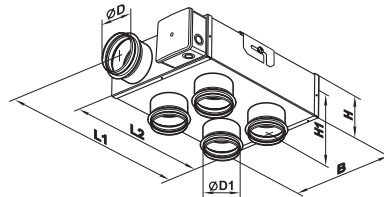


Fig. 2

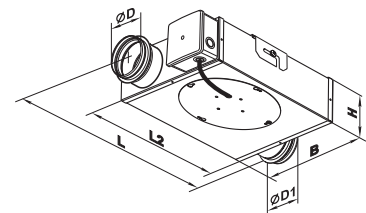


Fig. 3

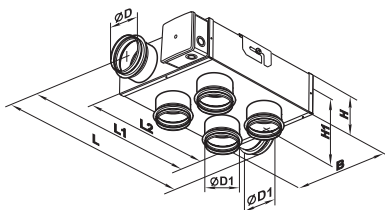


Fig. 4

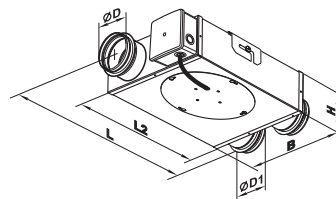


Fig. 5

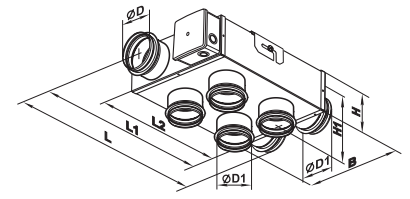


Fig. 6

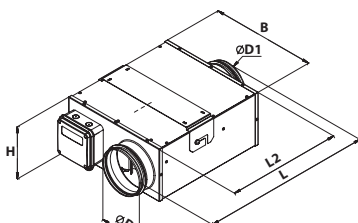


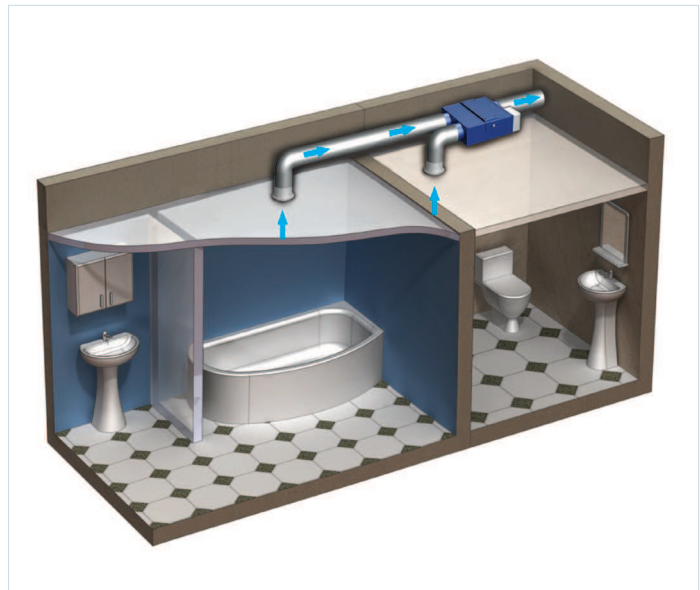
Fig. 7

■ VKP mini ventilation examples

▶ 1 inlet – 1 outlet



▶ 2 inlets – 1 outlet



▶ 4 inlets – 1 outlet

