

Series  
**VENTS VUT(E) 100 P mini**



A3 speed switch

Air handling units with heat recovery in the compact sound- and heat-insulated casing. Air flow up to **100 m<sup>3</sup>/h**. Heat recovery efficiency from 64 up to 76 %.

**Description**

Compact air supply and exhaust ventilation unit VUE 100 P mini is a simple and effective energy-saving solution ventilation of apartments, cottages, single-family houses, workshops and trade premises. The unit is a fully-featured ventilation unit that provides air cleaning, fresh air supply to the premise and removal of extract air from the premise. Extract air thermal energy is transferred to the cross-flow heat exchanger and is used to warm up the supply air flow. Built-in heat exchanger prevents heat losses and saves operating costs for heating in winter and air conditioning in summer.

**Casing**

The casing is made of corrosion-resistant aluzink and sound-insulated with 15 mm cellular polyethylene layer. For easy mounting the casing is fitted with mounting brackets. The detachable panel is swivel connected to the unit to provide fast and easy access to the casing internal components for servicing and maintenance. The unit is equipped with two backdraft dampers, one in the supply and the other in the exhaust air duct.

**Filter**

Supply and extract air flows are purified through two filters with filtering class G4. The filters prevent dirt and dust ingress into the room and protect the unit components against contaminations.

**Fans**

The unit is equipped with reliable supply and exhaust fans with forward curved blades that are powered by motors with low energy demand. The motor has maintenance-free ball bearings that ensure long service life about 40 000 hrs and are greased for the operation period.

**Heat exchanger VENTS VUE 100 P mini**

Cross-flow enthalpy heat exchanger with heat recovery efficiency from 64 % up to 72 % enables not only heat but humidity recovery and provides indoor humidity balance. In summer season the heat exchanger serves for intake air cooling down and drying and in

winter season for warming up and moisturizing. Water vapour is extracted from wet extract air and is absorbed by the heat exchanging plates.

**Heat exchanger VENTS VUT 100 P mini**

The unit is equipped with a high-efficient cross-flow plastic heat exchanger and a drain pan for condensate drainage.

**Control**

Air flow (speed) is regulated with A3 (P3-1-300) speed switch.

Low speed – 55 m<sup>3</sup>/h, 24 dBA

Medium speed – 74 m<sup>3</sup>/h, 32 dBA

Maximum speed – 100 m<sup>3</sup>/h, 41 dBA

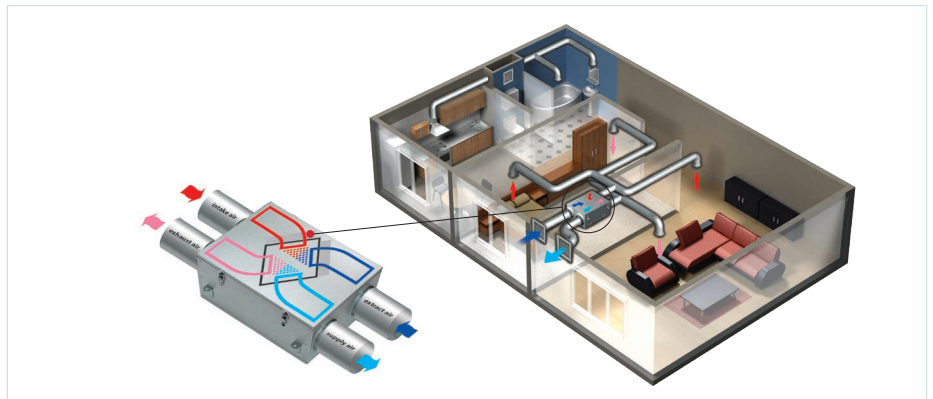
The external speed switch is comfortable to use at any place.

**Heat exchanger protection**

For freeze protection at low temperatures the unit is equipped with a thermostat inside the casing that switches the supply fan off in case of freezing danger to let extract air warm up the heat exchanger.

**Mounting**

Due to the compact casing height the unit is designed for horizontal indoor installation behind suspended ceilings and connection to Ø 125 mm round air ducts.



**Designation key**

Series	Rated air flow [m <sup>3</sup> /h]	Mounting type	Type
<b>VUT:</b> ventilation with heat recovery <b>VUE:</b> ventilation with energy recovery	100	<b>P:</b> suspended	<b>mini</b>

**Accessories for air handling units**

Model	G4 panel filter	Summer blocks	Silencers		Back valves	Air dampers	Clamps
VUT 100 P mini	SF 200x190x18 G4	SB C4 200/190	SR 125	SRF 125	KOM 125	KR 125	C 125
VUE 100 P mini			600/900/1200	600/900/1200			

**Technical data**

	VUT 100 P mini			VUE 100 P mini		
Speed	min.	med.	max.	min.	med.	max.
Voltage [V/Hz]	1~230/50			1~230/50		
Unit power [W]	30	38	56	30	38	56
Unit current [A]	0.18	0.23	0.34	0.18	0.23	0.34
Air flow [m³/h]	55	74	100	55	74	100
RPM	1300	1950	2500	1300	1950	2500
Noise level at 3m [dBA]	24	32	41	24	32	41
Transported air temperature [°C]	-25...+40					
Casing material	aluzinc					
Insulation	15 mm cellular polyethylene					
Filter: extract /supply	G4/G4					
Connected air duct diameter [mm]	Ø 125					
Weight [kg]	13			10		
Heat recovery efficiency	from 65 up to 76 %			from 64 up to 72 %		
Heat exchanger type				cross-flow		
Heat exchanger material	plastic			enthalpy		
SEC Class				D		

