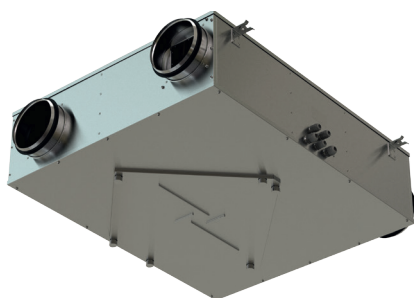


HEAT RECOVERY AIR HANDLING UNITS

Series VENTS VUE P3



Heat recovery air handling units in heat- and sound-insulated casing with max. air capacity **400 m³/h** and heat recovery efficiency **87 %**

■ Application

The VUE P3 air handling units are the fully featured ventilation units with heat recovery for air filtration, fresh air supply and removal of used air. The heat contained in the extract air is recuperated in the high-efficient plate heat exchanger to warm up supply air. Designed for application in various ventilation systems that require cost-saving and controllable ventilation. All the models are compatible with round Ø 100 or 150 mm round air ducts.

■ Design

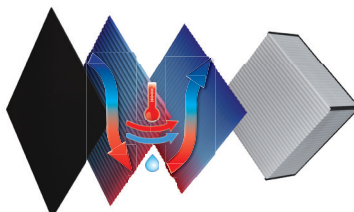
The casing is made of polymer coated steel panels, internally lined with 5 or 10 mm heat- and sound-insulating layer of cellular polyurethane, depending on modification.

■ Fans

Single-phase external rotor motors with radial impellers and forward curved blades. The motors have overheating protection with automatic re-start.

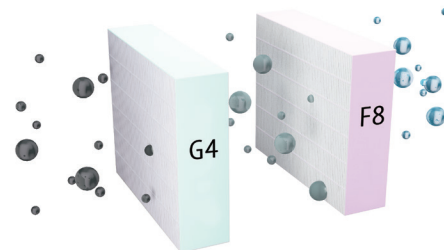
■ Heat recovery

Plate enthalpy cross-flow heat exchanger made of polymerized cellulose with recovery efficiency to 87 %. The enthalpy heat exchanger enables not only heat, but also humidity recovery, thus maintaining stable indoor humidity. In the summer period the intake air is cooled down in the heat exchanger and dehumidified and in the winter period it is warmed up and humidified. Water vapour from the humid extract air is condensed and absorbed by the heat exchanger plates. The recovered humidity and heat are transferred to the supply air flow. The air streams are fully separated within the heat exchanger and the microbes and smells are isolated.



■ Air filtration

Efficient supply air filtration with two built-in G4 and F8 panel filters. Extract air filtration with a panel G4 filter.





■ Control and automation

The unit is equipped with a built-in control system, the speed controller A1, the power cable with the safety plug Euro Plug XP and the control panel A12. The service side of the unit has a removable inspection door with hand screws for cleaning or replacement of the filters and the heat exchanger. The control unit is located inside of the unit casing. The power cable and the ground cable are connected to the control unit via the cable glands on the unit side wall.

■ Mounting

Due to low height of the casing the unit offers the optimum solution for the suspended ceiling installation in limited installation space. The installation place must provide sufficient service access to the unit.

Accessories

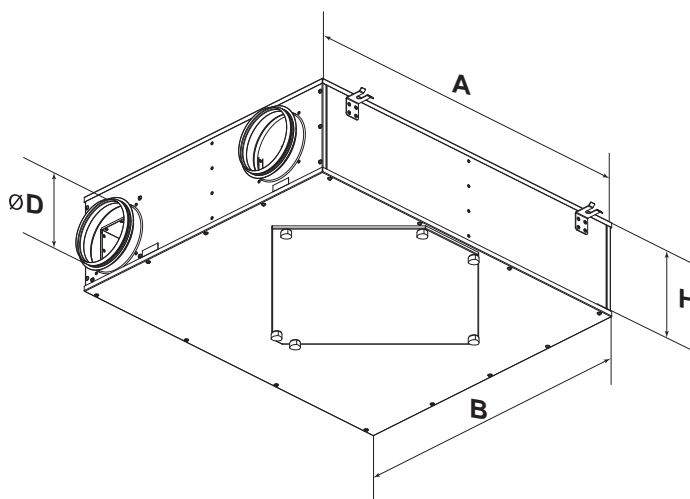
Model	G4 panel filter	F8 panel filter
		
VUE 150 P3	SF 300 x 220 x 48 G4	SF 300 x 220 x 48 F8
VUE 250 P3	SF 300 x 270 x 48 G4	SF 300 x 270 x 48 F8
VUE 350 P3		

Designation key

Series	Rated air capacity [m ³ /h]	Design features	Casing modification	Control panel
VENTS VUE: energy recovery ventilation	150, 250, 350	P: suspended mounting	3: low-profile unit	A1: speed switch RS-1-400 A12: sensor speed control panel SRS-1

Overall dimensions, mm

Model	A	B	H	ØD
VUE 150 P3	854	704	227	100
VUE 250 P3	854	704	227	150
VUE 350 P3	1024	754	227	150



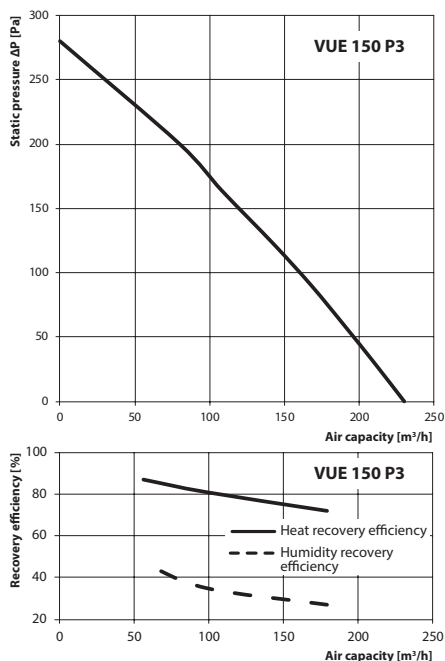
Technical data

	VUE 150 P3	VUE 250 P3	VUE 350 P3
Unit supply [V / 50 (60) Hz]		1 ~ 230	
Power [W]	125	250	310
Current [A]	0.6	1.1	1.4
Max. air capacity [m ³ /h]	230	370	400
RPM [min ⁻¹]	2235	2400	2150
Noise level at 3m [dBA]	49	52	57
Transported air temperature [°C]		-25 to +40	
Casing material	polymer coated steel		
Insulation	5 mm, 10 mm polyurethane foam		
Extract filter	G4		
Supply filters	G4 and F8 (PM 2,5 93 %)	G4 and F8 (PM 2,5 83 %)	G4 and F8 (PM 2,5 87 %)
Connected air duct diameter [mm]	100	150	150
Heat recovery efficiency [%]*	72 up to 87	66 up to 76	71 up to 87
Humidity recovery efficiency [%]	27 up to 47	22 up to 32	23 up to 40
Heat exchanger type	cross-flow		
Heat exchanger material	polymerized cellulose		
Weight [kg]	26	29	42
SEC class	D	E	E

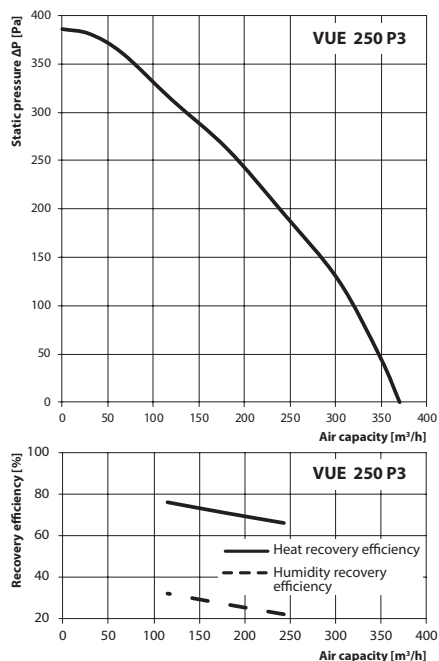
* Heat recovery efficiency is calculated in compliance with EN 13141-7

HEAT RECOVERY AIR HANDLING UNITS

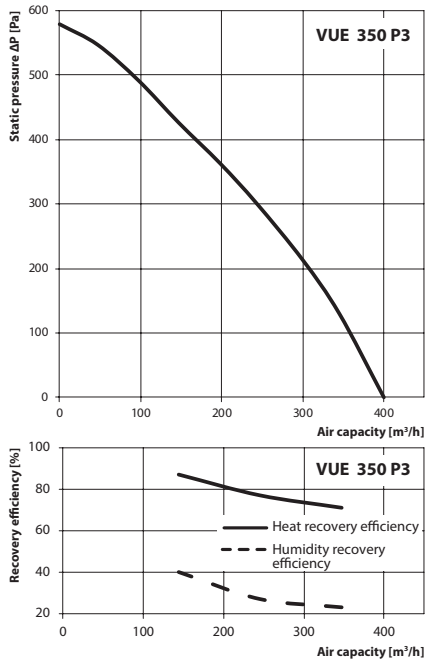
VENTS VUE P3



VENTS VUE P3



VENTS VUE P3



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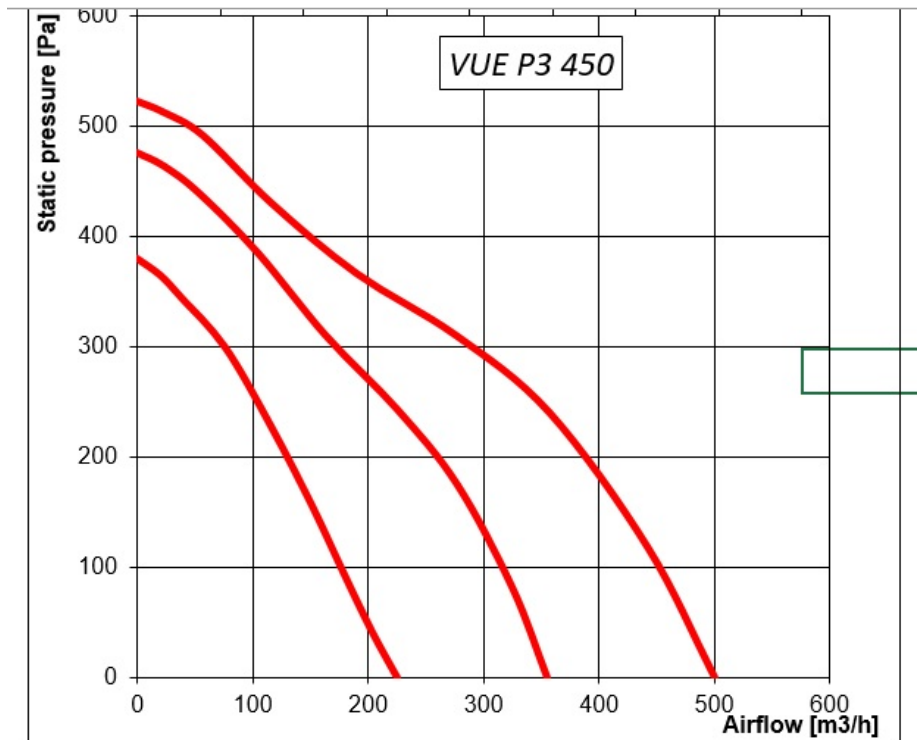


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This unit is the same as VUE P3 with smooth speed control. Attached is graph and tech data here

Parameters	VUE P3 450
Voltage [V / 50-60 Hz]	
Power [W]	310
Current [A]	1,4
Max air flow [m3/h]	450
RPM [min-1]	2150
Sound pressure level at 3 m distance [dBA]	57
Max. operating temperature [OC]	from -25 up to +40
Extract filter	
Supply filter	G4 and F8 (PM2.5 87%)
Connected air duct diameter [mm]	150
Heat recovery efficiency [%]	71 up to 87
Humidity recovery efficiency [%]	23 up to 40
Weight, kg	42
Heat exchanger type	cross-flow
Heat exchanger material	polymerized cellulose
SEC class	E



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