Series

VENTS VUTR 202 V EC



Air handling units in heat- and sound-insulated casing.
Air flow up to **270 m³/h**.
Heat recovery efficiency up to **92%**

Description

The VUTR VE EC air handling units are the fully-featured ventilation units that ensure air filtration, fresh air supply and stale air extraction.
Used in ventilation that requires an economical solution and a controlled ventilation system.

Casing

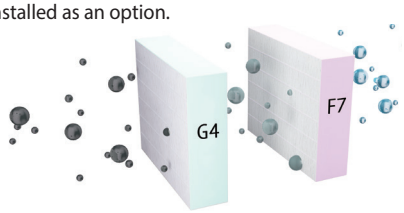
Made of polymer-coated steel, internally filled with a mineral wool heat- and sound-insulating layer.
VUTR 202 V EC L – left-handed version.
VUTR 202 V EC R – right-handed version.

Kitchen hood

VUTR 202 VK EC is equipped with a white kitchen hood to extract contaminated air from the cooking surface. **VUTR 202 VKS EC** is equipped with a stainless steel kitchen hood.

Filter

Two built-in **Coarse > 60%** (**G4**) filters provide efficient air filtration. **ePM1 65% (F7)** supply filter can be installed as an option.

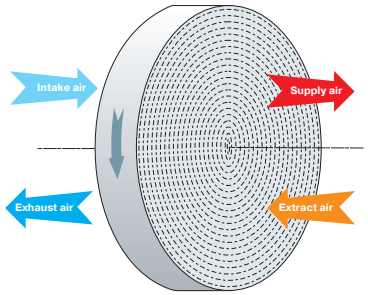


Fans

The units are equipped with high-efficiency EC motors with an external rotor and a centrifugal impeller.

Rotary heat exchanger

The units are equipped with a rotary heat exchanger. As compared to plate heat exchangers, the rotary heat exchangers are distinguished with no condensate forming, ability to maintain comfortable air humidity and extremely low freezing danger.
VUER V units are equipped with enthalpy rotary heat exchanger.



Rotary heat exchanger operation principle

Heater

The units **VUTR 202 VE, VUTR 202 VEK** are equipped with an electric heater.

Automation

The units are equipped with an integrated control system. The **A21** controller allows to integrate the unit into the **Smart Home system** or **BMS (Building Management System)**. To control the unit via Wi-Fi, download the **Vents Home** smartphone app.

Google play

Download on the App Store

Modbus

Decorative panel

PD-VUTR 202 VEK N - stainless steel decorative panels for improving appearance of the products.



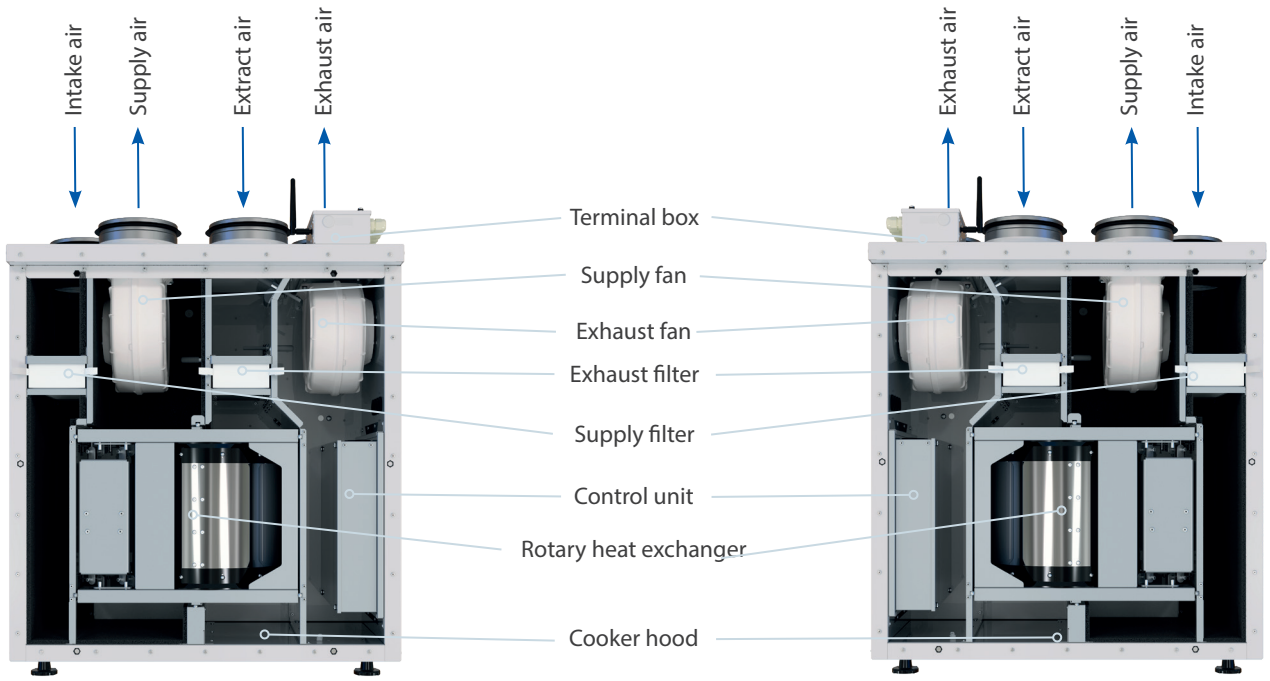
Control and automation

Functions	A21
Wired remote control panel	A22 (option) 
Control via a wired remote LCD control panel	A25 (option) 
Wireless remote control panel	A22 Wi-Fi (option) 
BMS	ModBus RTU (RS-485) ModBus TCP/IP (Wi-Fi, Ethernet)
Vents Cloud Server service	+
Control via Wi-Fi using a smartphone app	+
Frost protection	+
Bypass	Auto, manual
Week-scheduled operation	+
Filter replacement indication	Filter timer
Alarm indication	+
Speed selection	+
Timer	+
RH% sensor	Option
CO_2 sensor	Option
VOC sensor	Option
PM2.5 sensor	Option
Boost mode	+
Fireplace mode	+
Fire alarm sensor connection	+
Minimum supply air temperature control	+

Designation key

Series	Size [m³/h/10]	Modification	Mounting	Heater	Motor	Service Side	Control panel
VUTR: unit with condensation rotary heat exchanger **VUER**: unit with sorption rotary heat exchanger	20	0, 1, 2…	**V**: vertical	_: w/o heater **E**: electric re-heater	**EC**: EC-motor	**R**: right **L**: left	A21

Unit design



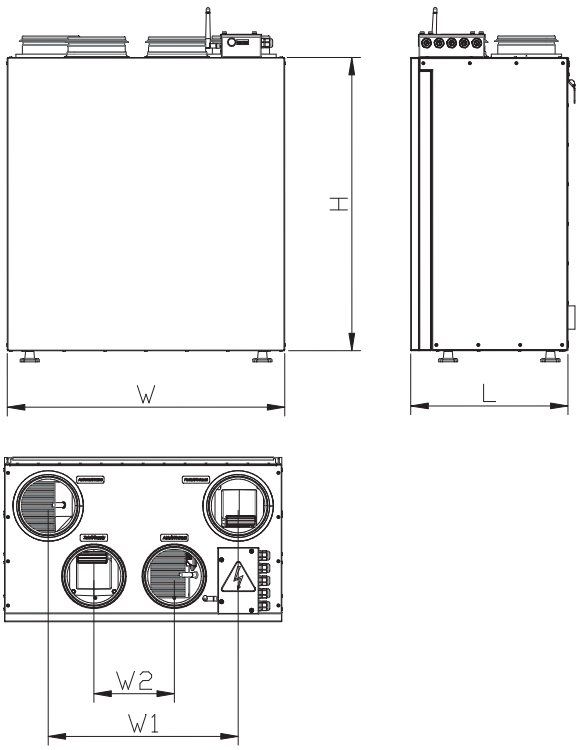
VUTR 202 V EC L

VUTR 202 V EC R

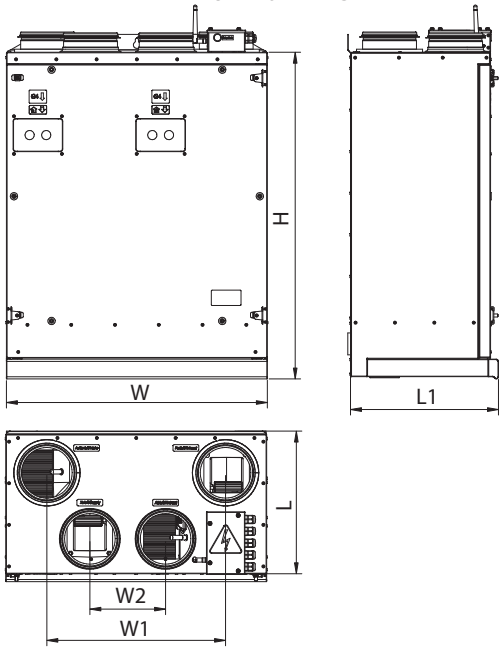
Overall dimensions

Model	Dimensions [mm]					
	H	W	W1	W2	L	L1
VUTR 202 V EC	630	596	408	173	338	-
VUTR 202 VK EC	746	596	408	173	326	338

VUTR 202 V EC



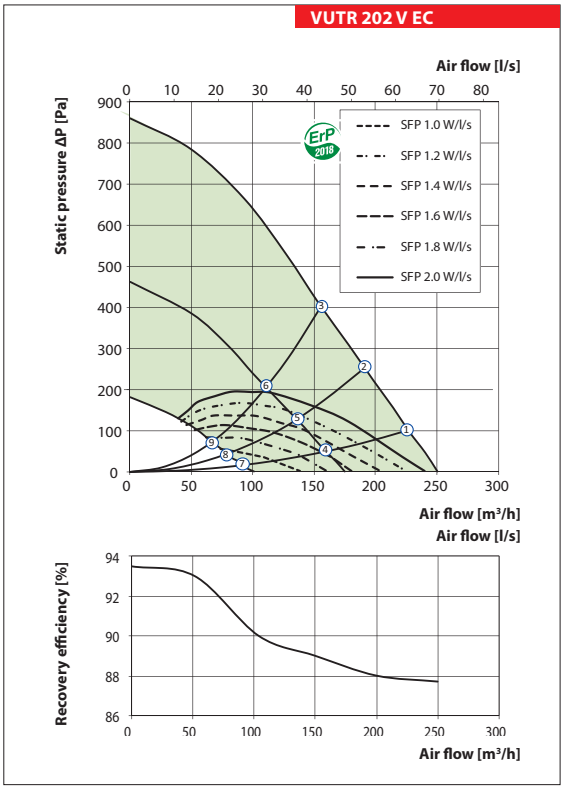
VUTR 202 VK EC



Technical data

	VUTR 202 V EC L / R A21	VUER 202 V EC L / R A21	VUTR 202 VE EC L /R A21	VUER 202 VE EC L / R A21
Voltage [V / 50-60 Hz]	1~ 230			
Max. unit power without electric heater [W]	187			
Integrated electric heater power [W]	-		700	
Max. unit power [W]	187		887	
Max. unit current without electric heater [A]	1.1			
Integrated electric heater current [A]	-	-	3.1	3.1
Max. unit current [A]	1.1	1.1	4.2	4.2
Max air flow [m³/h]	250			
Sound pressure level at 3 m distance* [dBA]	24			
Transported air temperature [°C]	from -25 up to +40			
Case material	painted steel			
Insulation	25 mm, mineral wool			
Extract filter	G4 / Coarse > 60%			
Supply filter	G4 / Coarse > 60% (option F7 / ePM1 60%)			
Connected air duct diameter [mm]	125			
Weight [kg]	46			
Heat recovery efficiency [%]	93	86	93	86
Heat exchanger type	condensing	enthalpy	condensing	enthalpy
SEC class	A			

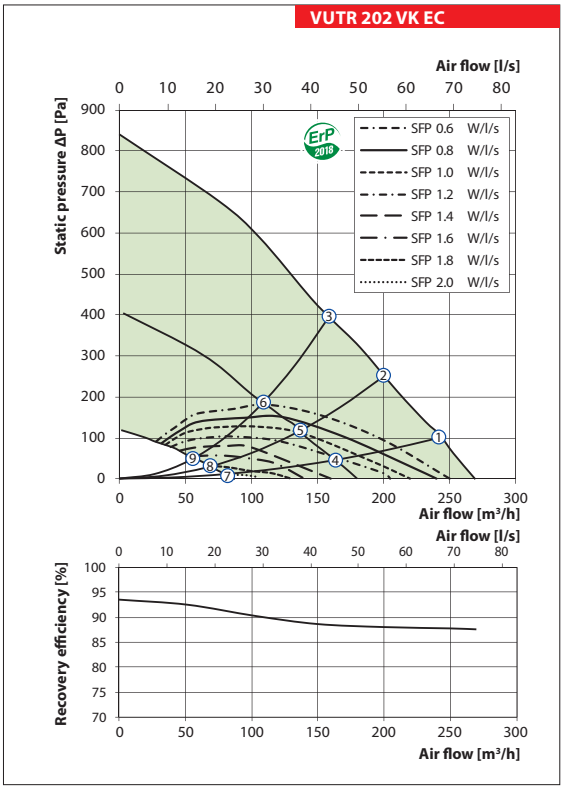
*Sound pressure level [dBA] at 3 m distance is specified at point 4 in average spherical free-field, for comparitive use only.



Technical data

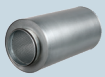
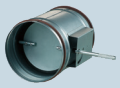
	VUTR 202 VK EC A21	VUTR 202 VEK EC A21
Voltage [V / 50-60 Hz]	1~230	
Max. unit power without electric heater [W]	171	
Integrated electric heater power [W]	-	700
Max. unit power [W]	171	871
Max. unit current without electric heater [A]	1.31	
Integrated electric heater current [A]	-	3
Max. unit current [A]	1.31	4.31
Max air flow [m^3/h]	270	
Sound pressure level at 3 m distance* [dBA]	33	
Transported air temperature [°C]	- 25...+40	
Case material	polymer coated steel	
Insulation [mm]	25 mm, mineral wool	
Extract filter	G4	
Supply filters	G4 (F7 optional)	
Connected air duct diameter [mm]	125	
Weight [kg]	52	53
Heat recovery efficiency [%]	87...93	
Heat exchanger type	rotary	
Heat exchanger material	aluminum	
SEC class	A	

*Sound pressure level [dBA] at 3 m distance is specified at point 4 in average spherical free-field, for comparitive use only.



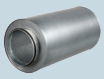
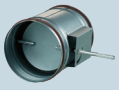
Accessories for air handling units

Model	Filter G4	Filter F7	Control panel	Control panel	Wi-Fi Control panel	Internal CO2 sensor	External humidity sensor
							
VUTR 202 V EC L/R A21 VUER 202 V EC L/R A21 VUTR 202 VE EC L/R A21 VUER 202 VE EC L/R A21	SF 261x86x48 G4	SF 261x86x48 F7	A25	A22	A22 Wi-Fi	CO2-3	HR-S

Model	External CO_2 sensor	Silencer	Internal humidity sensor	Air dampers	Electric actuator
					
VUTR 202 V EC L/R A21 VUER 202 V EC L/R A21 VUTR 202 VE EC L/R A21 VUER 202 VE EC L/R A21	CO2-1	SR 125	HV-2	KRV 125	TF230

Accessories for air handling units

Model	Decorative panel	Filter G4	Filter F7	Control panel	Control panel	Wi-Fi Control panel	External humidity sensor
							
VUTR 202 VK(S) EC L/R A21 VUTR 202 VEK(S) EC L/R A21	PD-VUTR 200 VEK N	SF 261x86x48 G4	SF 261x86x48 F7	A25	A22	A22 Wi-Fi	HR-S

Model	External CO_2 sensor	Silencer	Backdraught damper	Air dampers	Electric actuator
					
VUTR 202 VK(S) EC L/R A21 VUTR 202 VEK(S) EC L/R A21	CO2-1	SR 125	KOM 125	KRV 125	TF230