

Series
VENTS VUTR 200 VK 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

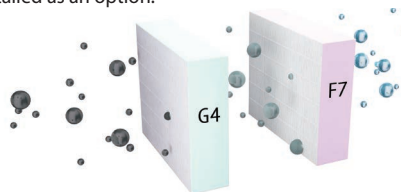
Made of polymer-coated steel, internally filled with a mineral wool heat- and sound-insulating layer.
VUTR 200 VK EC L – left-handed version.
VUTR 200 VK EC R – right-handed version.

Kitchen hood

VUTR 200 VK EC is equipped with a white kitchen hood to extract contaminated air from the cooking surface. **VUTR 200 VKS EC** is equipped with a stainless steel kitchen hood.

Filter

Two built-in **Coarse 90% (G4)** filters provide efficient air filtration. **ePM1 65% (F7)** supply filter can be installed as an option.

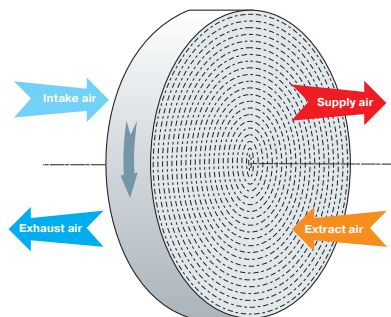


Fans

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.



Rotary heat exchanger operation principle

Heater

The units **VUTR 200 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.



Decorative panel

PD-VUTR 200 VEK N - stainless steel decorative panels for improving appearance of the products.



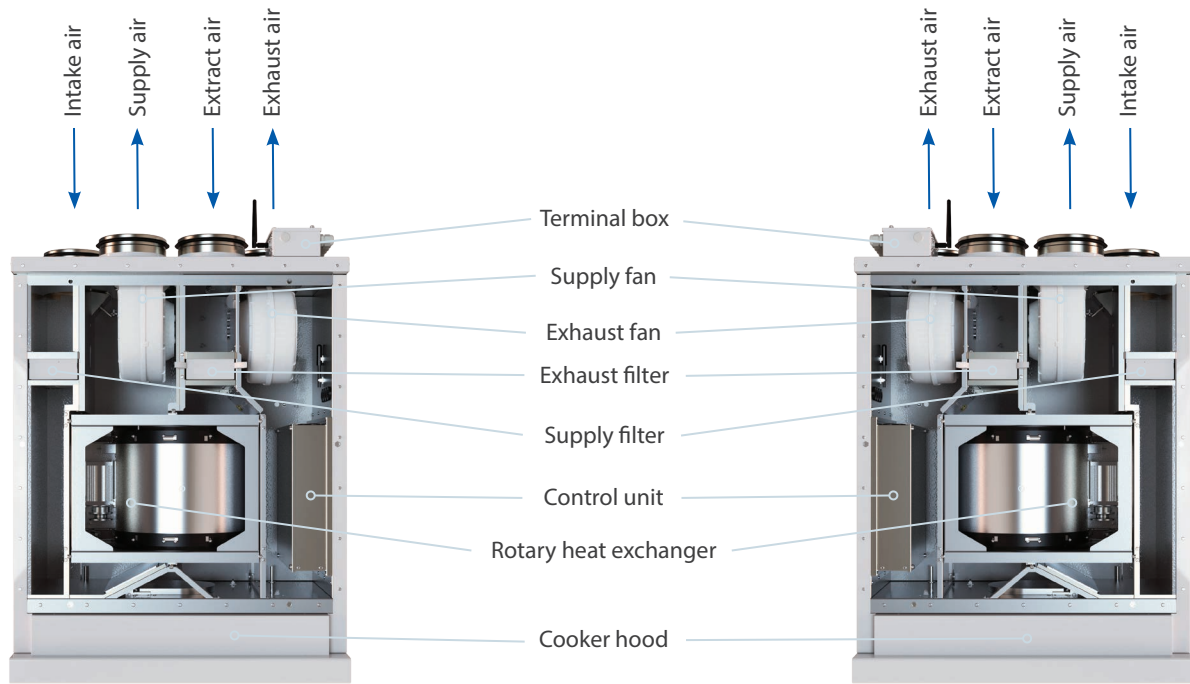
Control and automation

Functions	A21
	A22 (option)
Wired remote control panel	
	A25 (option)
Control via a wired remote LCD control panel	
	A22 Wi-Fi (option)
Wireless remote control panel	
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	+
Cooler connection	+
Fire alarm sensor connection	+
Minimum supply air temperature control	+

Designation key

TM	Model	Rated air flow [m ³ /h]	Casing type	Heater	Kitchen hood	Hood colour	Motor type	Control
VENTS	VUTR: unit with rotary heat exchanger	200	V: vertical	E: integrated reheater	K: integrated kitchen hood	_: white S: stainless steel	EC: synchronous electronically commutated motor	A21

Unit design

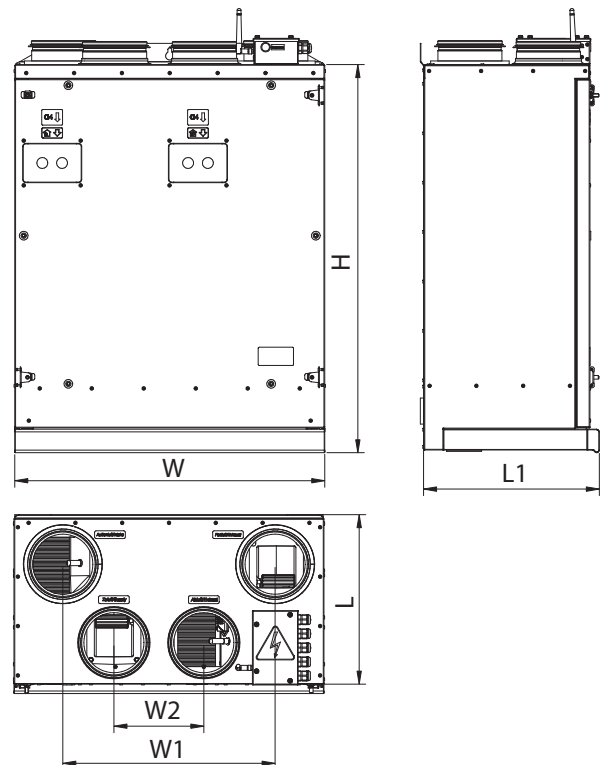


VUTR 200 VK EC L

VUTR 200 VK EC R

Overall dimensions

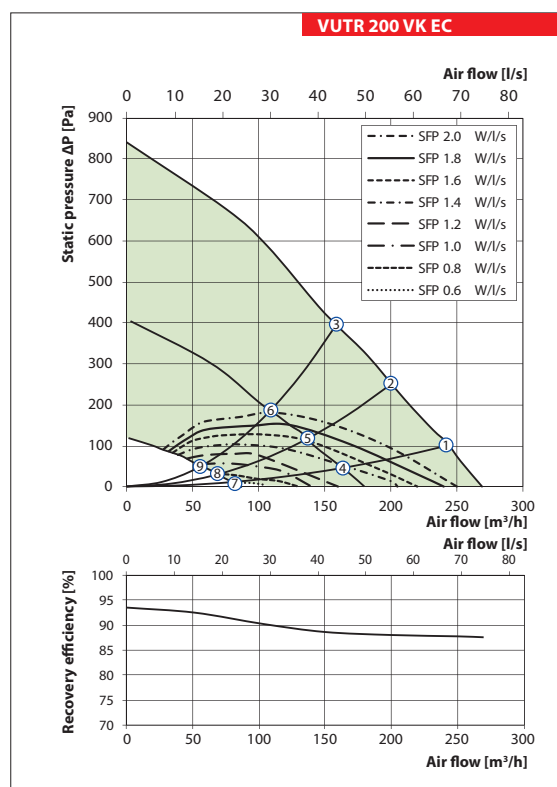
Model	Dimensions [mm]					
	H	W	W1	W2	L	L1
VENTS VUTR 200 VK EC	746	596	408	173	326	338









AIR HANDLING UNITS WITH HEAT RECOVERY

Technical data

	VUTR 200 VK EC A21	VUTR 200 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
Max. operating 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



Accessories for air handling units

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

Model	External CO ₂ sensor	Silencer	Backdraught damper	Air dampers	Electric actuator
					
VUTR 200 VK(S) EC L/R A21	CO2-1	SR 125	KOM 125	KRV 125	TF230
VUTR 200 VEK(S) EC L/R A21					