

# VUTR 200 VK EC R A21

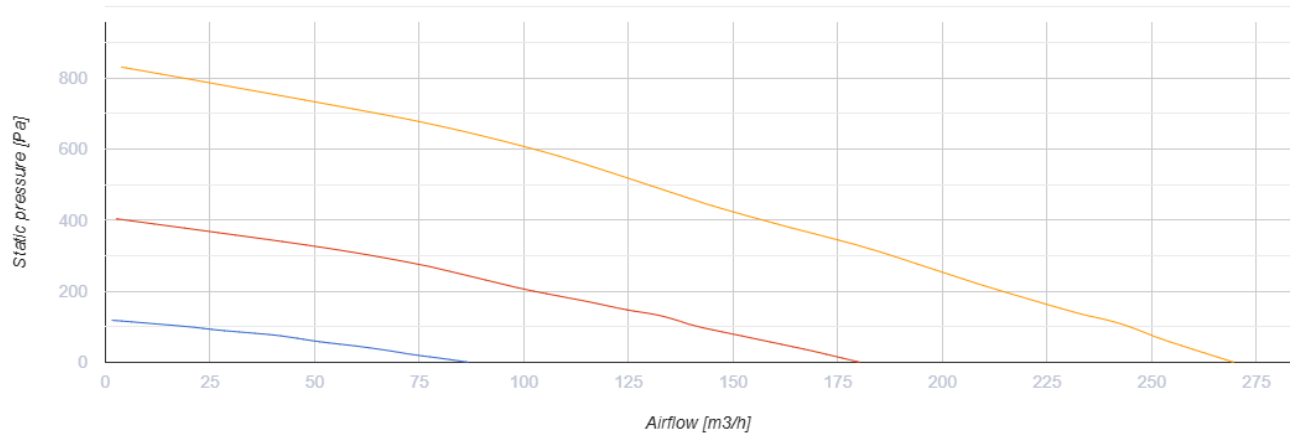


Air handling units in a heat- and sound-insulated casing

- Maximum airflow: 270
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4 (F7 optional)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

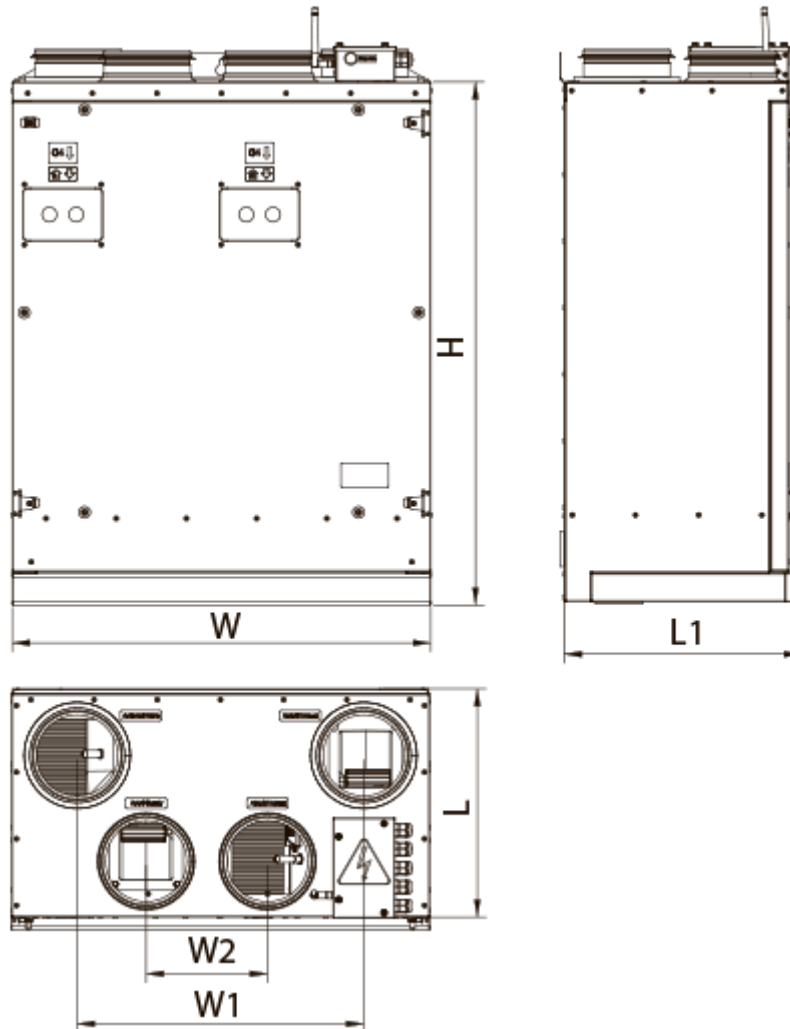
	Unit of measurement	VUTR 200 VK EC R A21
Connected air duct size	mm	125
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50
Rated power	W	171
Unit current	A	1.31
Maximum airflow	m <sup>3</sup> /h	270
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	93
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	52
Extract filter	-	G4
Supply filter	-	G4 (F7 optional)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1

Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44






## Dimensions

H	W	W1	W2	L	L1
746	596	408	173	326	338





## Accessories

### Control Panels for AHU




Name	Photo	Description
<a href="#">A25</a>		The control panel with a sensor display
<a href="#">A22</a>		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
<a href="#">A22 WiFi</a>		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.

### Sensors



Name	Photo	Description
<a href="#">HR-S</a>		Electro-mechanical humidistats

<a href="#">CO2-1</a>		CO2 sensors
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### For round ducts

Name	Photo	Description
<a href="#">SR 125/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 125/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 125/1200</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems

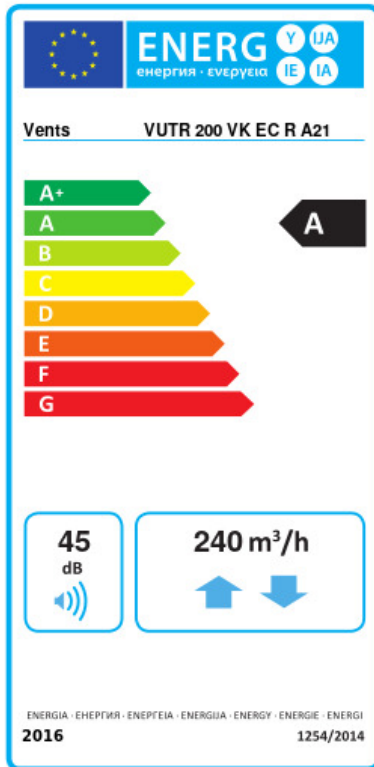
### For round ducts

Name	Photo	Description
<a href="#">KOM 125</a>		Spring-loaded backdraft damper for round ducts
<a href="#">KRV 125</a>		Air damper for air flow cut-off in round air ducts

### Electric actuators

Name	Photo	Description
<a href="#">Belimo TF230</a>		The actuators are designed for controlling air dampers with cross section up to 0.4 m <sup>2</sup> performing protection functions

## Ecodesign



Trademark	Vents					
Model	VUTR 200 VK EC R A21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	85.6	A+	41.1	A	15.6	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	88					
Maximum flow rate (m <sup>3</sup> /h)	240					
Electric power input (W)	170					
Reference flow rate (m <sup>3</sup> /s)	0.047					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.411					
Control typology	Local demand control					
Maximum internal leakage rates (%)	3.3					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	45					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	217		869		217	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9100		4652		2104	