

# VUTR 600 VE EC A21



Vertical air handling units with a sorption rotary heat exchanger

- Power of electrical reheater: 2800
- Maximum airflow: 670
- Sound pressure level LpA at 3 m: 35
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4, F7
- Sound insulation
- Motor type: EC
- Reheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Polypropylene/Thermoplastic elastomer
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

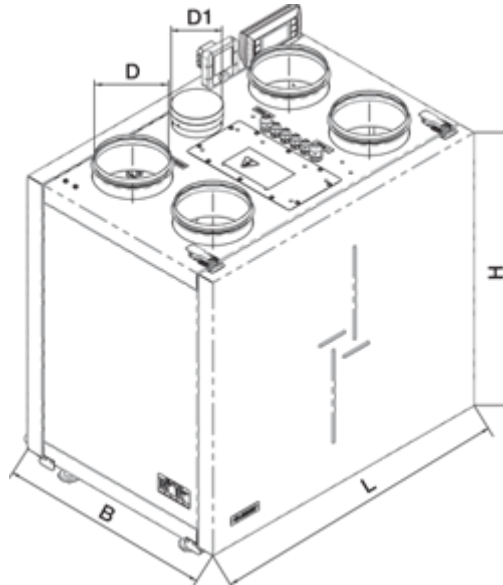
	Unit of measurement	VUTR 600 VE EC A21
Connected air duct size	mm	200
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	405
Power of electrical reheater	W	2800
Unit current	A	14.8
Maximum airflow	m <sup>3</sup> /h	670
Sound pressure level LpA at 3 m	dB(A)	35
Heat recovery efficiency, max	%	89
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	92
Extract filter	-	G4
Supply filter	-	G4, F7
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	%	80

Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44






## Dimensions

ØD	ØD1	B	H	H1	L
199	124	628	772	852	819





## 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="#">HV2</a>		Humidity sensor


### For round ducts

Name	Photo	Description
<a href="#">SR 200/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 200/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 200/1200</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 200/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 200/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SRF 200/2000</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 200</a>		Spring-loaded backdraft damper for round ducts
<a href="#">KRV 200</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

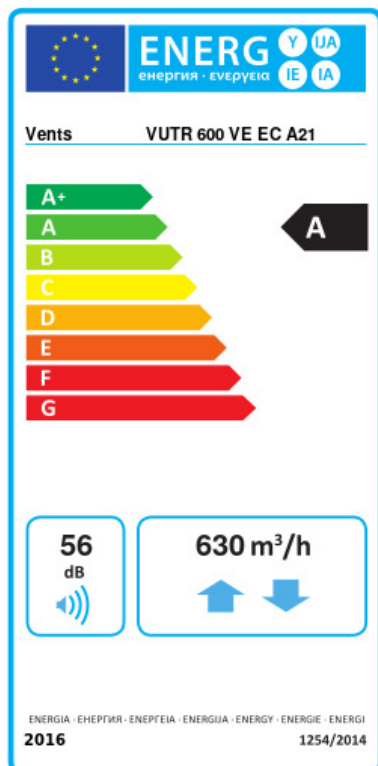
#### Other accessories

Name	Photo	Description
SF 536x220x40 G4		Panel filter G4
SF 536x220x40 F7		F7 panel filter

#### Flanges

Name	Photo	Description
<a href="#">KH-1</a>		The kitchen exhaust hood is designed to clean air from combustion products, fumes, odors that form during cooking in the kitchen

## Ecodesign



Trademark	Vents					
Model	VUTR 600 VE EC A21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	85.3	A+	41.8	A	16.9	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	83					
Maximum flow rate (m³/h)	630					
Electric power input (W)	375					
Reference flow rate (m³/s)	0.122					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.277					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Declared typology	RVU BVU					
Sound power level (dB(A))	56					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	147		587		147	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8898		4548		2057	