

# VUTR 250 PE EC R A21

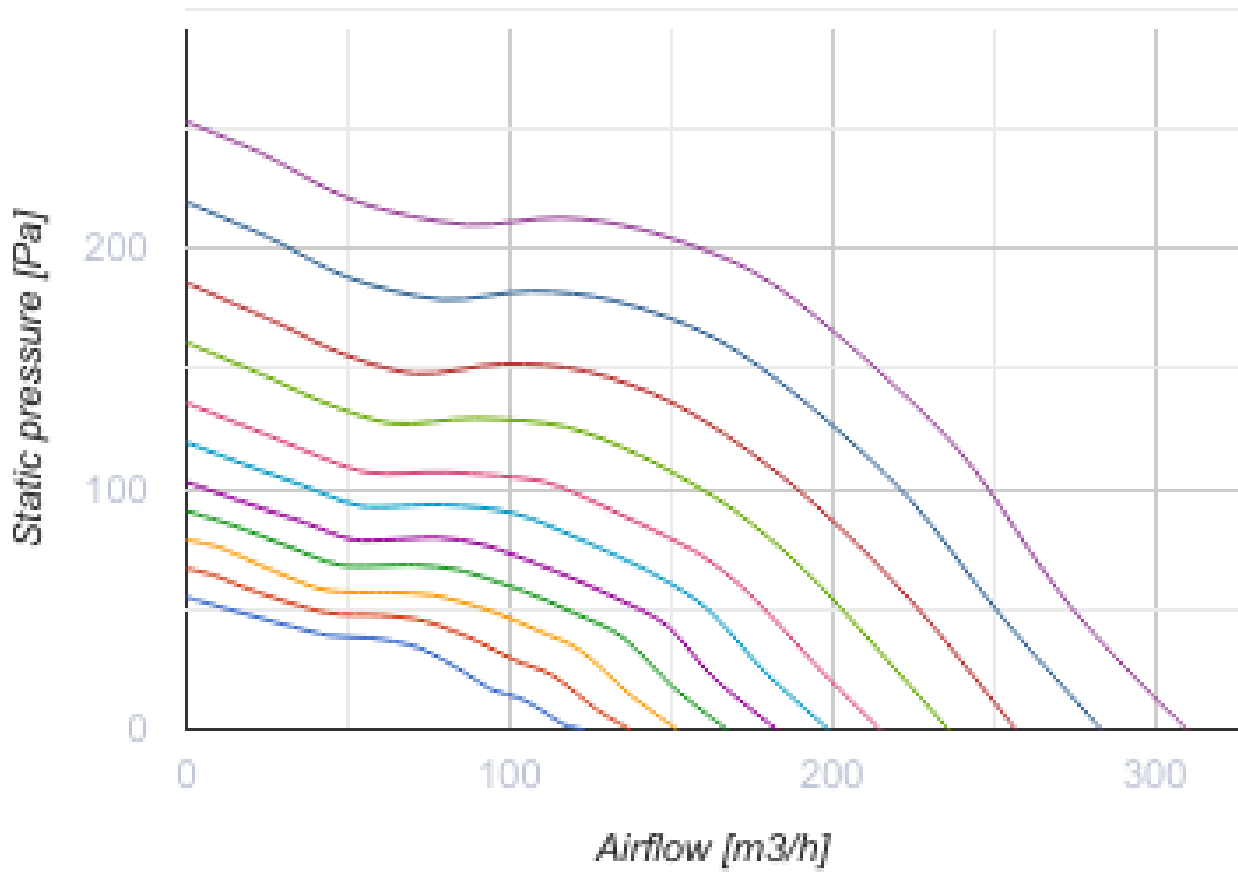


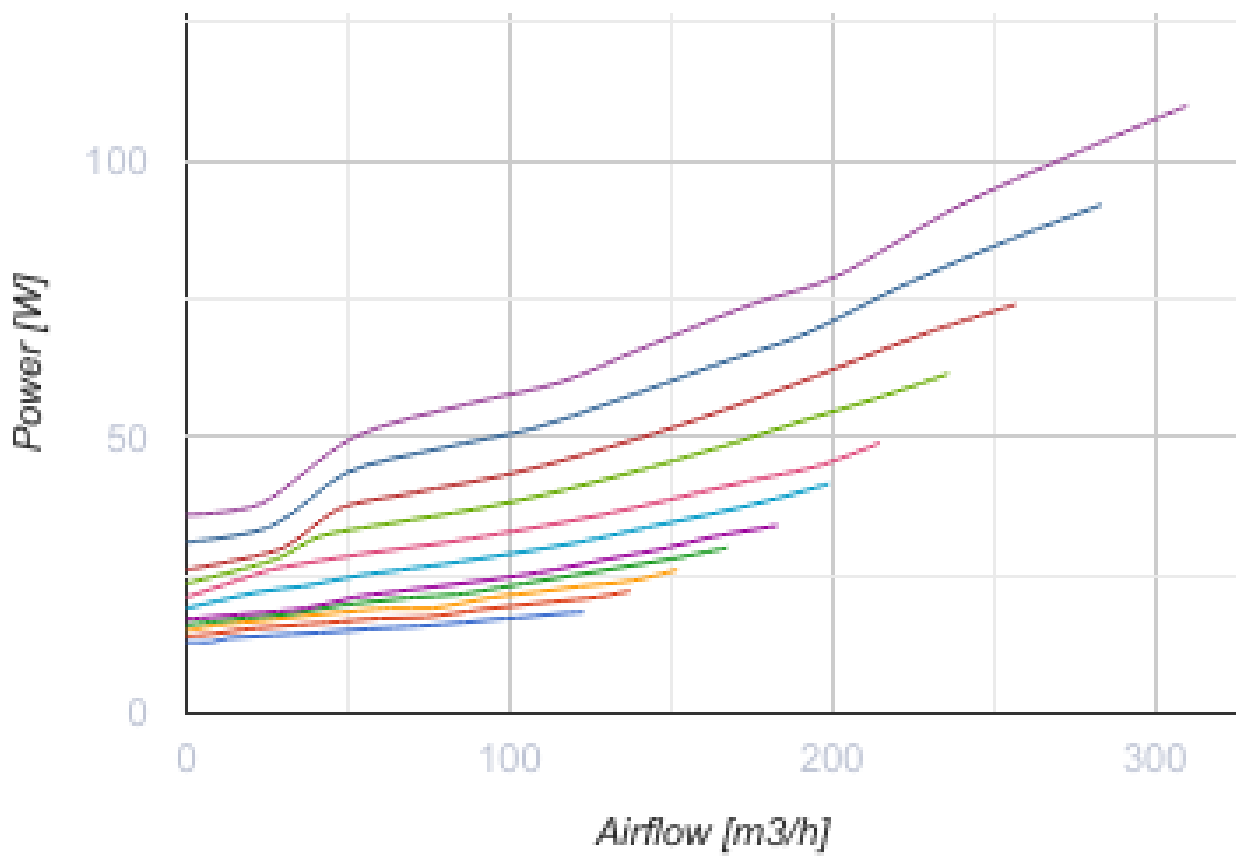
Suspended air handling units with a sorption rotary heat exchanger

- Power of electrical reheater: 700
- Maximum airflow: 310
- Sound pressure level LpA at 3 m: 21
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4, F7 (H13 option)
- Sound insulation
- Motor type: EC
- Reheater: Electric
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUTR 250 PE EC R A21
Connected air duct size	mm	160
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	135
Power of electrical reheater	W	700
Unit current	A	4.1
Maximum airflow	m <sup>3</sup> /h	310
Sound pressure level LpA at 3 m	dB(A)	21
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	56
Extract filter	-	G4
Supply filter	-	G4, F7 (H13 option)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1

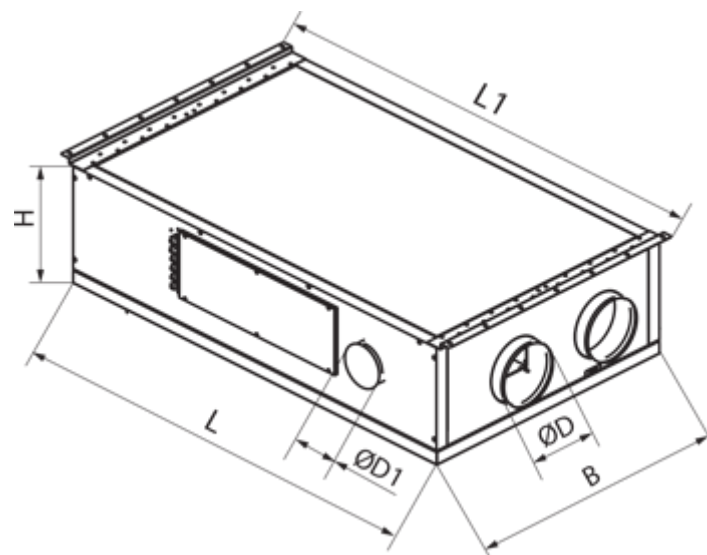
Ambient air temperature max	°C	40
Ambient air humidity max	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44








## Dimensions

ØD	ØD1	B	H	L	L1
160	125	688	345	1003	1100





## 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="#">KOM 160</a>		Spring-loaded backdraft damper for round ducts
<a href="#">KRV 160</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

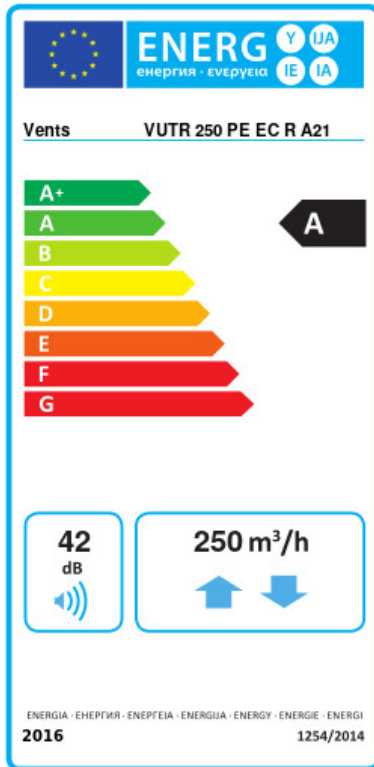
Name	Photo	Description
SF 260x220x48 G4		Panel filter G4

SF 260x220x48 F7		F7 panel filter
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### 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 250 PE EC R A21			
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold	Average	Warm	
	84.2	A+	41.5	A 17 E
Type of ventilation unit	Bidirectional			
Type of drive installed	Variable speed			
Type of heat recovery system	Regenerative			
Thermal efficiency of heat recovery (%)	79			
Maximum flow rate (m <sup>3</sup> /h)	250			
Electric power input (W)	95			
Reference flow rate (m <sup>3</sup> /s)	0.049			
Reference pressure difference (Pa)	50			
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.24			
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))	42			
The annual electricity consumption (AEC) (kWh/a)	Cold	Average	Warm	
	127	127	127	
The annual heating saved (AHS) (kWh/a)	Cold	Average	Warm	
	8736	4466	2019	