

# VUT 550 VB EC A21

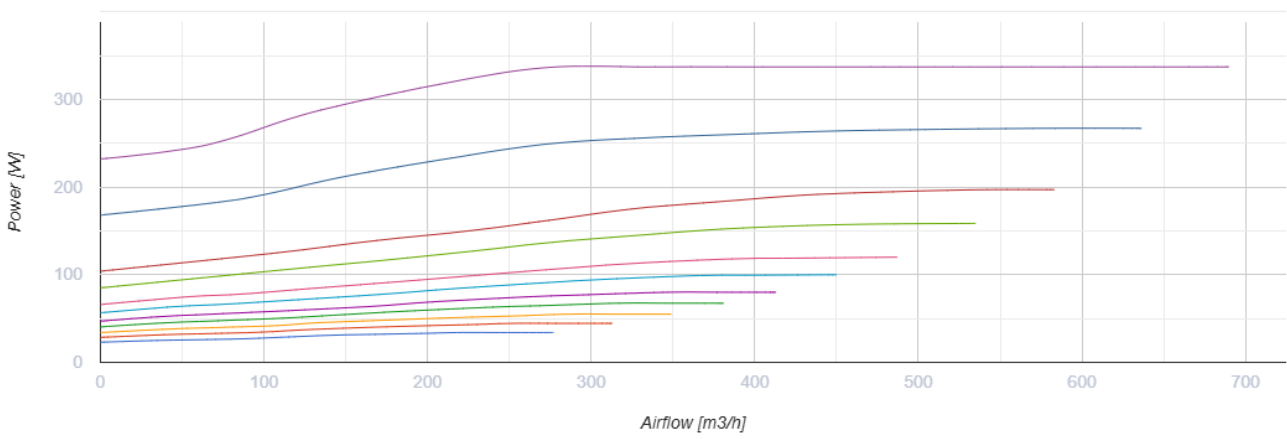
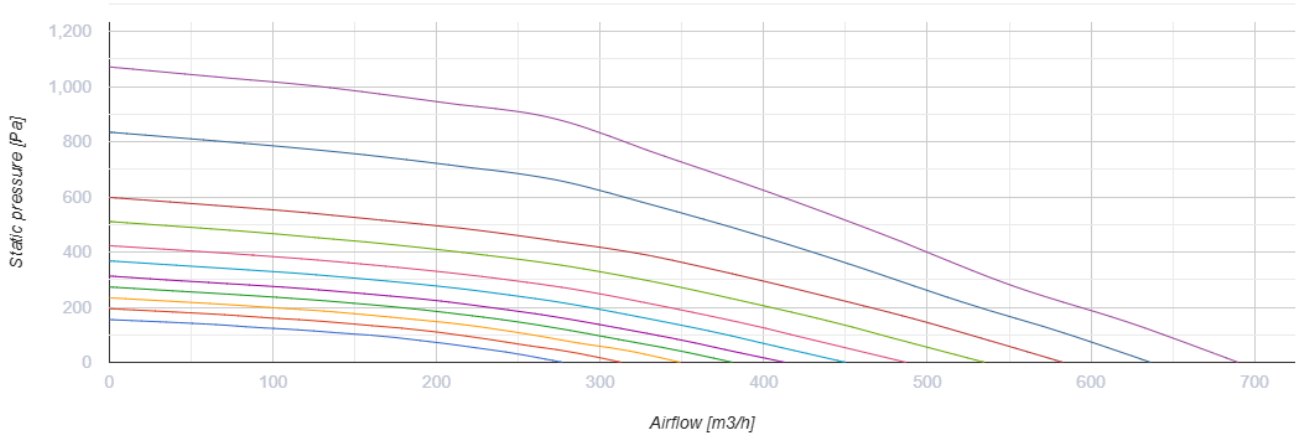


Vertical air handling units with a counterflow polystyrene or enthalpy heat exchanger

- Maximum airflow: 692
- Sound pressure level LpA at 3 m: 38
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: F7 (G4 optional)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- 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	VUT 550 VB 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	350
Unit current	A	2.4
Maximum airflow	m <sup>3</sup> /h	692
Sound pressure level LpA at 3 m	dB(A)	38
Heat recovery efficiency, max	%	92
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	82
Extract filter	-	G4
Supply filter	-	F7 (G4 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	-	IP20

Ingress protection rating of the drive	-	IP44
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## Dimensions

ØD	B	H	L
200	720	675	823







## Accessories




### Control Panels for AHU

Name	Photo	Description
<a href="#">A25</a>		Touch screen control panel for controlling industrial and residential air handling units
<a href="#">A22</a>		Control panels for controlling industrial and residential air handling units
<a href="#">A22 WiFi</a>		Control panels for controlling industrial and residential air handling units


### Sensors

Name	Photo	Description
<a href="#">HV2</a>		Humidity sensor
<a href="#">CO2-1</a>		CO2 sensors
<a href="#">CO2-2</a>		CO2 sensors
<a href="#">HR-S</a>		Electro-mechanical humidistat

### Electrical heaters

Name	Photo	Description
<a href="#">NKP 200-1,2-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKP 200-1,7-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKP 200-2,0-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKD 200-1,2-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 200-1,7-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 200-2,0-1 A21 V.2</a>		Inline supply air reheaters with external control


### Condensation drainage

Name	Photo	Description
<a href="#">SH-32</a>		Hydraulic U-trap to drain condensate from heat exchangers and coolers


### For round ducts

Name	Photo	Description
<a href="#">KRV 200</a>		Air dampers for automatic air flow control in round ducts

### Electric actuators

Name	Photo	Description
<a href="#">Belimo LF230</a>		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m <sup>2</sup> performing protection functions

### Other accessories

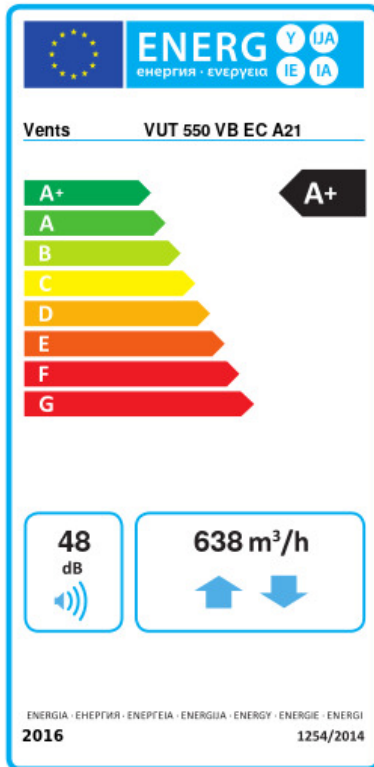
Name	Photo	Description
SF 630x198x40 G4		Panel filter G4

SF 630x198x40 F7		F7 panel filter
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**Flanges**

Name	Photo	Description
<a href="#">KH-1</a>		Kitchen hood for removing combustion products, vapors and odors from the air

## Ecodesign



Trademark	Vents					
Model	VUT 550 VB EC A21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	-81.3	A+	-42.2	A+	-17.1	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	88					
Maximum flow rate (m <sup>3</sup> /h)	638					
Electric power input (W)	350					
Reference flow rate (m <sup>3</sup> /s)	0.123					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.295					
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))	48					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	738		201		156	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9100		4652		2104	