

VUTR 250 PE EC R A21

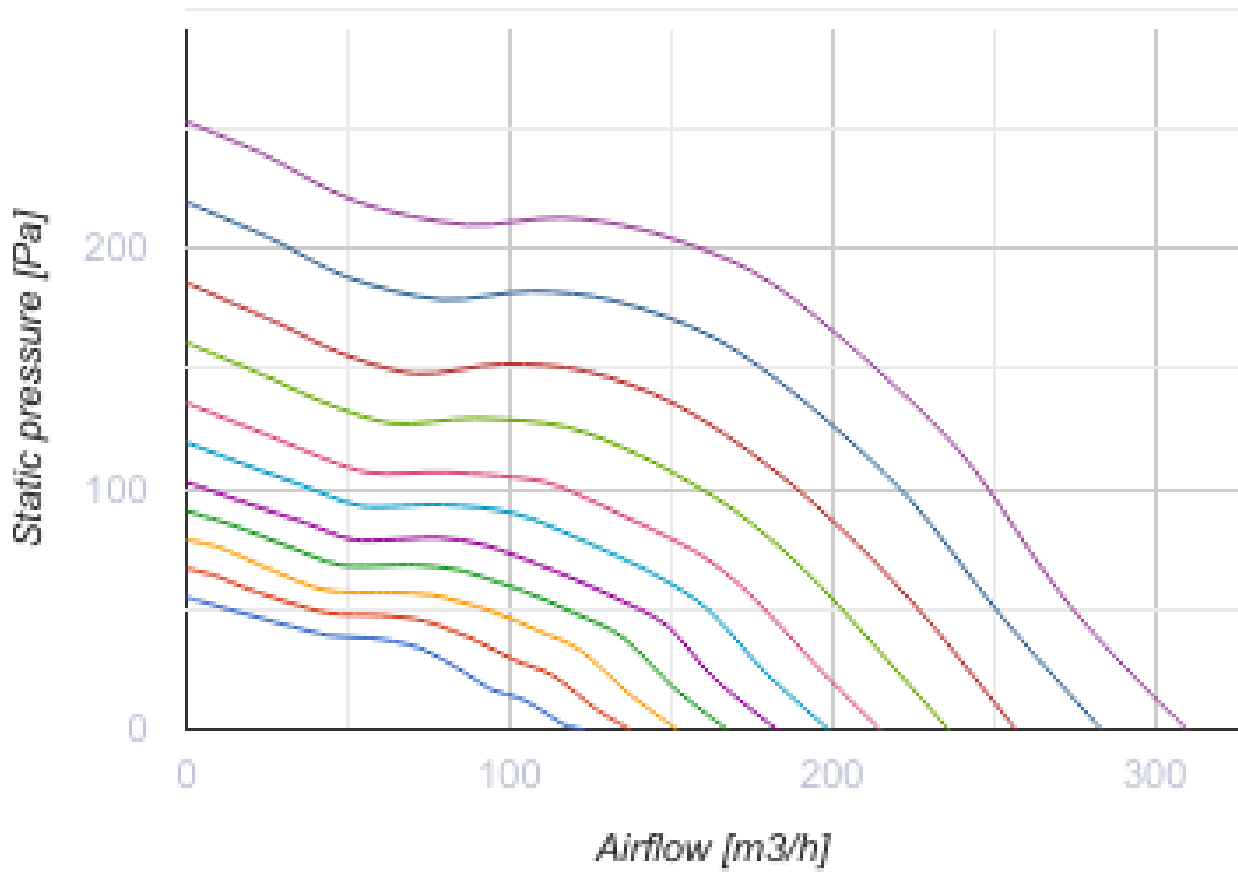


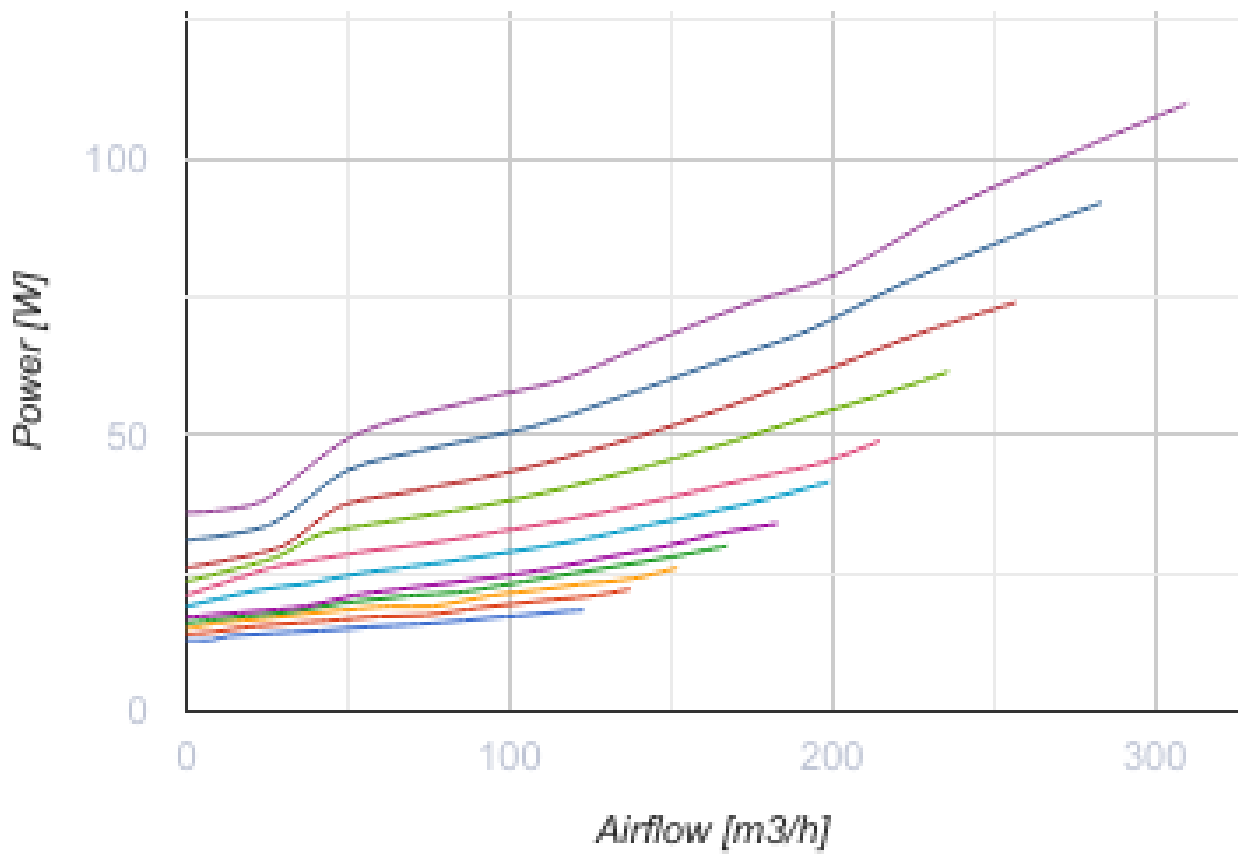
Air handling units in heat- and sound-insulated casing

- 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 ³ /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

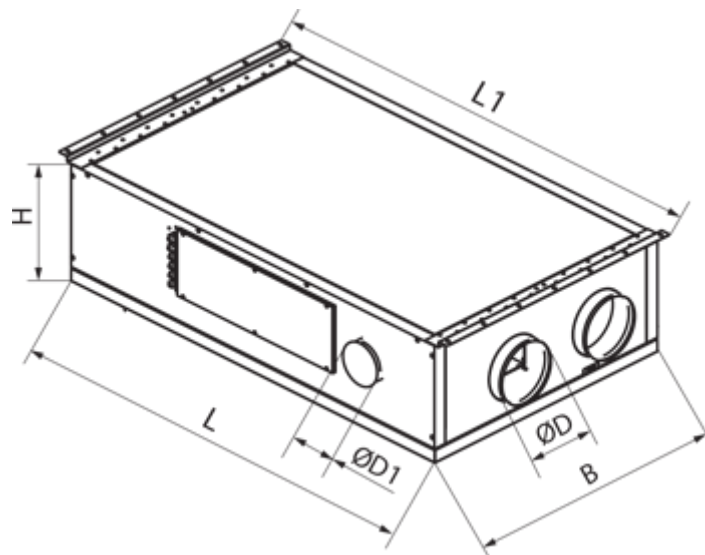
Ambient air temperature max	°C	40
Ambient air humidity max	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44








Dimensions

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




Accessories




Control Panels for AHU

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



VOC sensors

Name	Photo	Description
DPWQ30600		VOC sensors
DPWQ40200		CO2 sensor



Sensors

Name	Photo	Description
DPWC11200		Humidity sensor
HR-S		Electro-mechanical humidistats
HV2		Humidity sensor



For round ducts

Name	Photo	Description
KOM 160		Spring-loaded backdraft damper for round ducts
KRV 160		Air damper for air flow cut-off in round air ducts


Electric actuators

Name	Photo	Description
Belimo LF230		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m ² performing protection functions
Belimo TF230		The actuators are designed for controlling air dampers with cross section up to 0.4 m ² performing protection functions

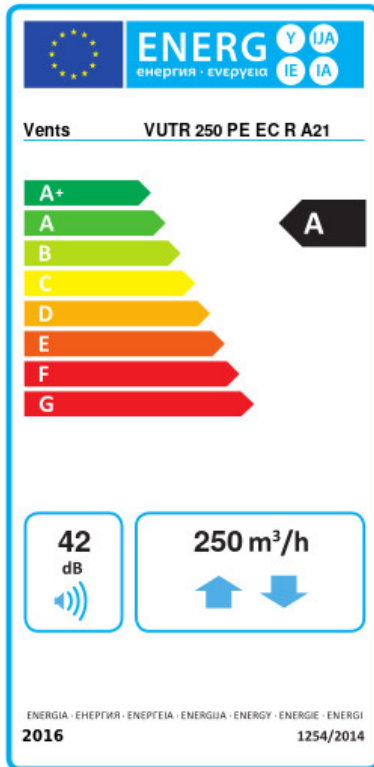
Other accessories

Name	Photo	Description
SF 260x220x48 G4		Panel filter G4
SF 260x220x48 F7		F7 panel filter

Flanges

Name	Photo	Description
KH-1		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 ² /a))	Cold		Average	
	84.2	A+	41.5	A
Specific energy consumption (SEC) (kWh/(m ² /a))	Warm		Average	
	17	E	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 ³ /h)	250			
Electric power input (W)	95			
Reference flow rate (m ³ /s)	0.049			
Reference pressure difference (Pa)	50			
Specific power input (SPI) (W/(m ³ /h))	0.24			
Control typology	Local demand control			
Maximum internal leakage rates (%)	2.7			
Maximum external leakage rates (%)	2.7			
Sound power level (dB(A))	42			
Declared typology	RVU BVU			
The annual electricity consumption (AEC) (kWh/a)	Cold		Average	
	127	127	127	127
The annual heating saved (AHS) (kWh/a)	Cold		Average	
	8736	4466	2019	2019