

VUTR 650 PE EC L A21

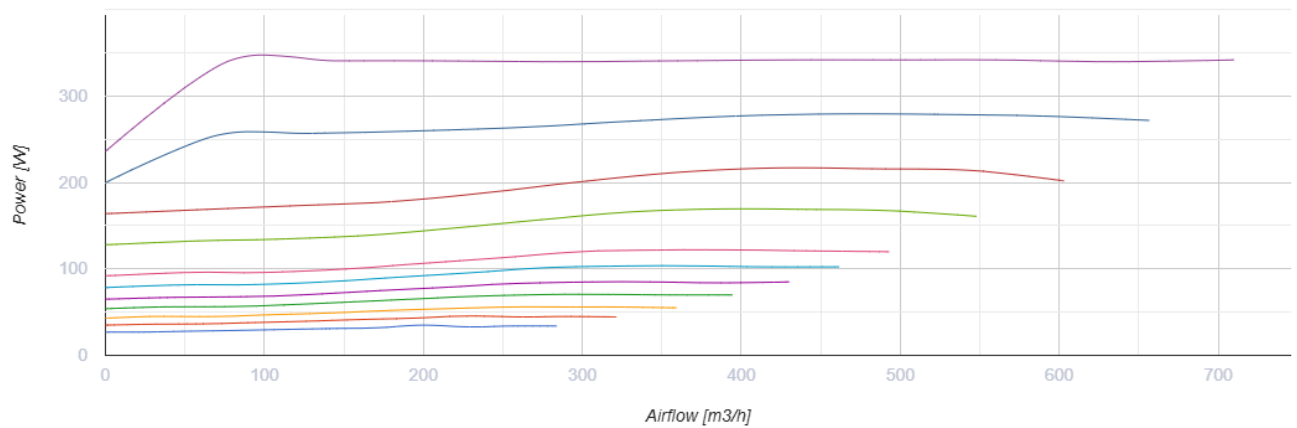
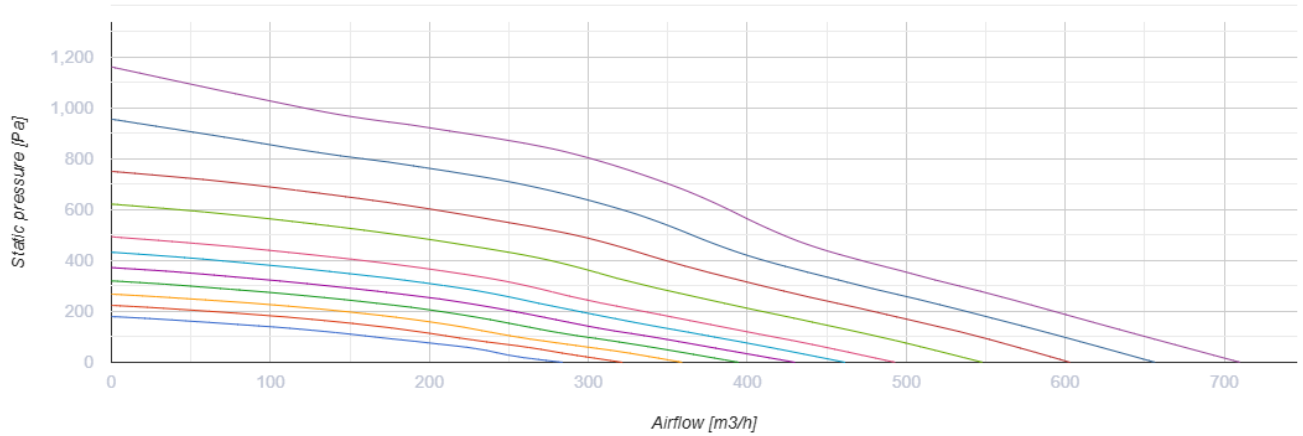


Air handling units in heat- and sound-insulated casing

- Power of electrical reheater: 2800
- Maximum airflow: 710
- Sound pressure level LpA at 3 m: 36
- 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

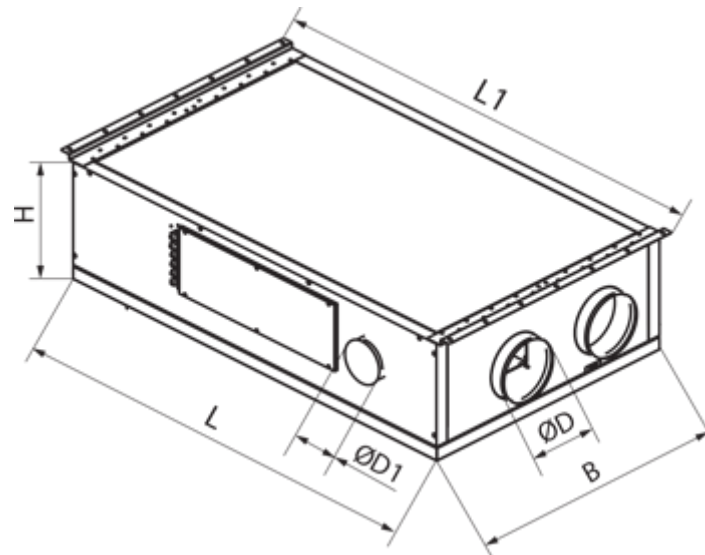
	Unit of measurement	VUTR 650 PE EC L A21
Connected air duct size	mm	200
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	367
Power of electrical reheater	W	2800
Unit current	A	13.7
Maximum airflow	m ³ /h	710
Sound pressure level LpA at 3 m	dB(A)	36
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	104
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	818	361	1270	1365





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.

Sensors


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

For round ducts



Name	Photo	Description
KOM 200		Spring-loaded backdraft damper for round ducts

KRV 200		Air damper for air flow cut-off in round air ducts
-------------------------	---	--


Electric actuators

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

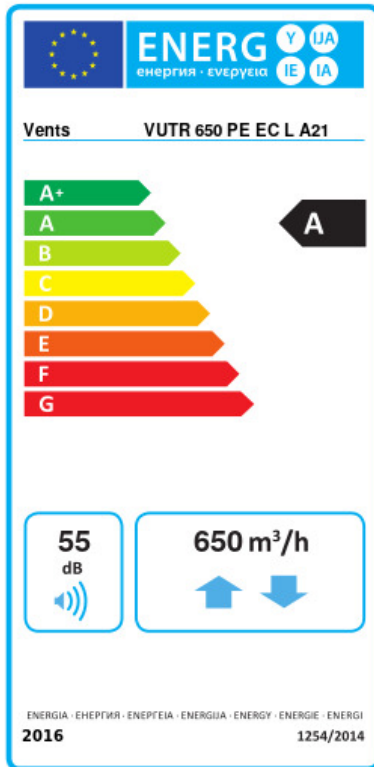
Other accessories

Name	Photo	Description
SF 378x295x48 G4		Panel filter G4
SF 378x295x48 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 650 PE EC L A21			
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average	
	85.4	A+	41.9	A
Type of ventilation unit	Average		Warm	
	17	E		
Type of drive installed	Bidirectional			
Type of heat recovery system	Variable speed			
Thermal efficiency of heat recovery (%)	Regenerative			
Maximum flow rate (m ³ /h)	83			
Electric power input (W)	650			
Reference flow rate (m ³ /s)	340			
Reference pressure difference (Pa)	0.125			
Specific power input (SPI) (W/(m ³ /h))	50			
Control typology	0.269			
Maximum internal leakage rates (%)	Local demand control			
Maximum external leakage rates (%)	2.7			
Declared typology	RVU BVU			
Sound power level (dB(A))	55			
The annual electricity consumption (AEC) (kWh/a)	Cold		Average	
	142	142	Warm	
The annual heating saved (AHS) (kWh/a)	Cold		Average	
	8898	4548	2057	