

VUTR 400 VE EC A21

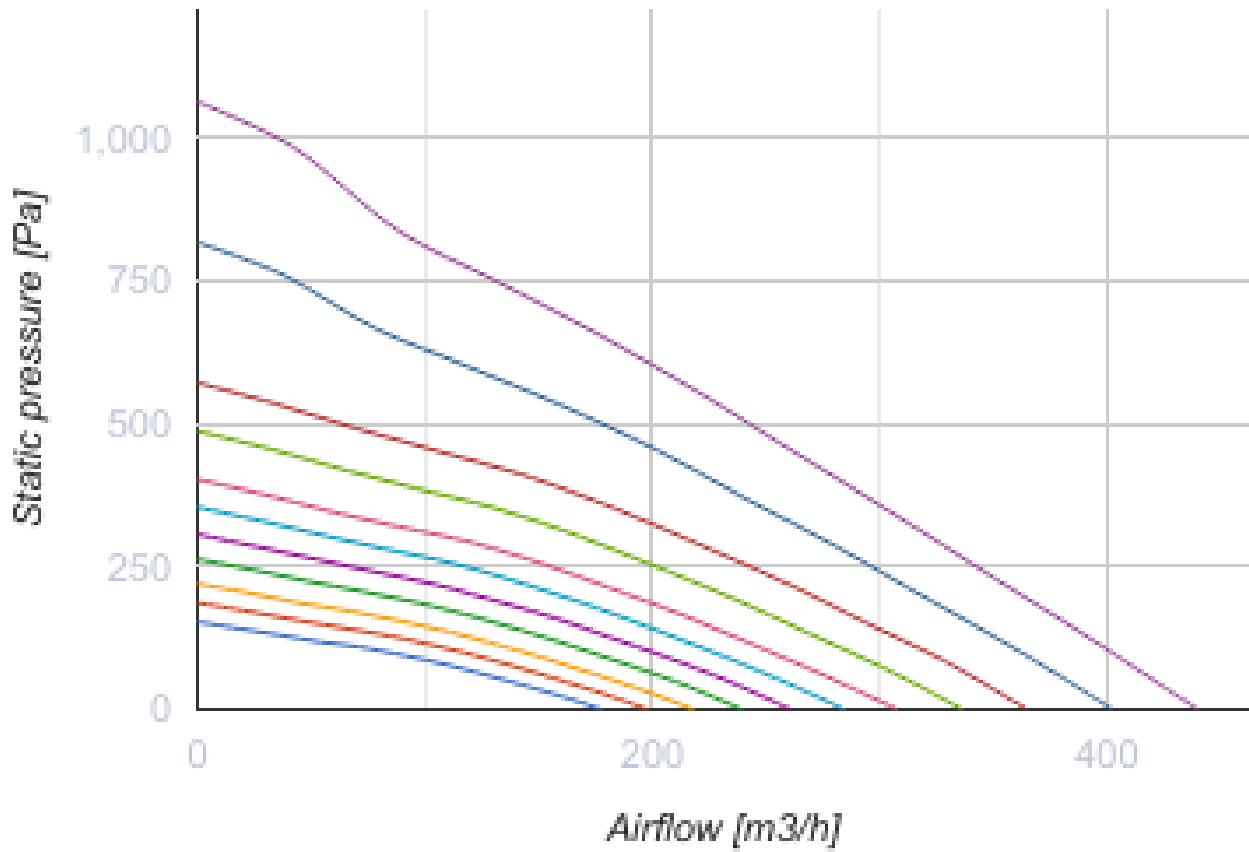


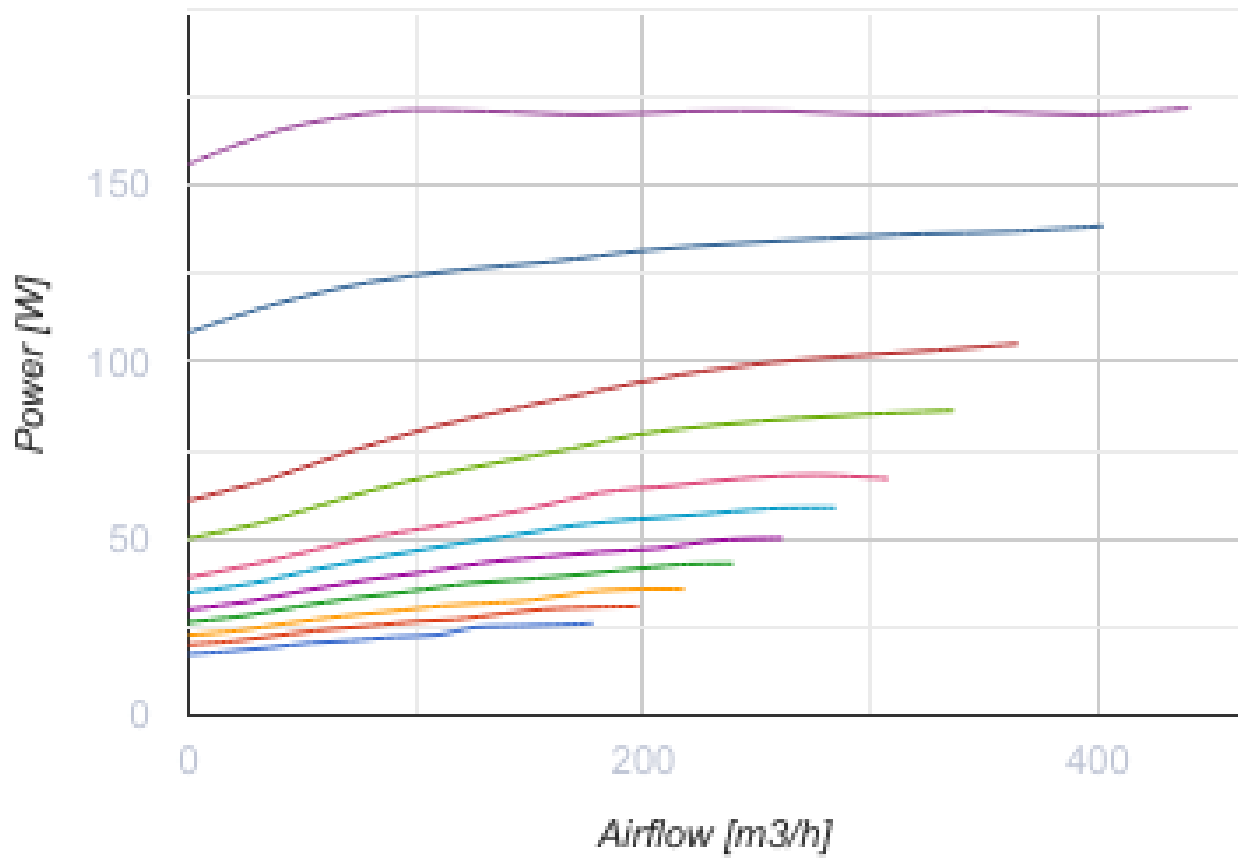
Vertical air handling units with a sorption rotary heat exchanger

- Power of electrical reheater: 1400
- Maximum airflow: 440
- Sound pressure level LpA at 3 m: 33
- 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 400 VE EC 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	200
Power of electrical reheater	W	1400
Unit current	A	7.5
Maximum airflow	m ³ /h	440
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	85
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	82
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

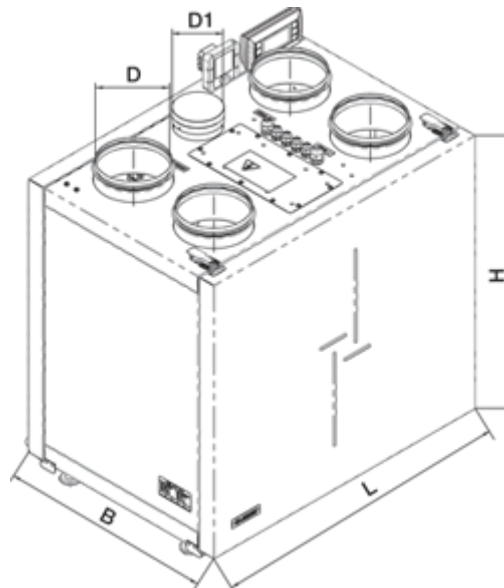
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44








Dimensions

ØD	ØD1	B	H	H1	L
159	99	528	675	755	745





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
SR 160/600		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems

SR 160/900		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SR 160/1200		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 160/600		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 160/900		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 160/2000		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems



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 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 436x196x40 G4		Panel filter G4
SF 436x196x40 F7		F7 panel filter

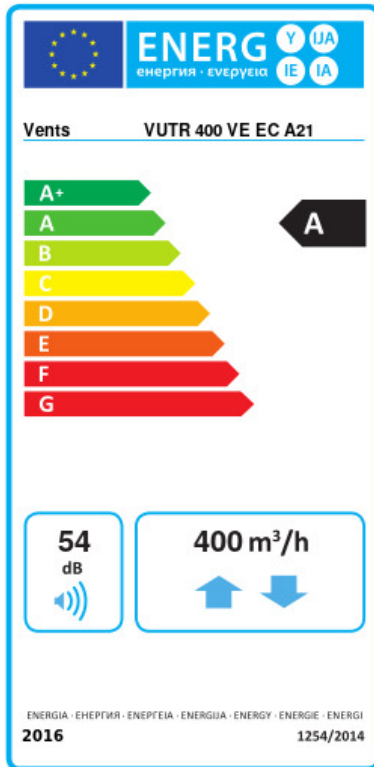
Flanges

Name	Photo	Description
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[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 400 VE EC A21					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	84.9	A+	41.8	A	17.1	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	81					
Maximum flow rate (m ³ /h)	400					
Electric power input (W)	170					
Reference flow rate (m ³ /s)	0.076					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.247					
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))	54					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	131		523		131	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8817		4507		2038	