

VUTR 350 PE EC R A21

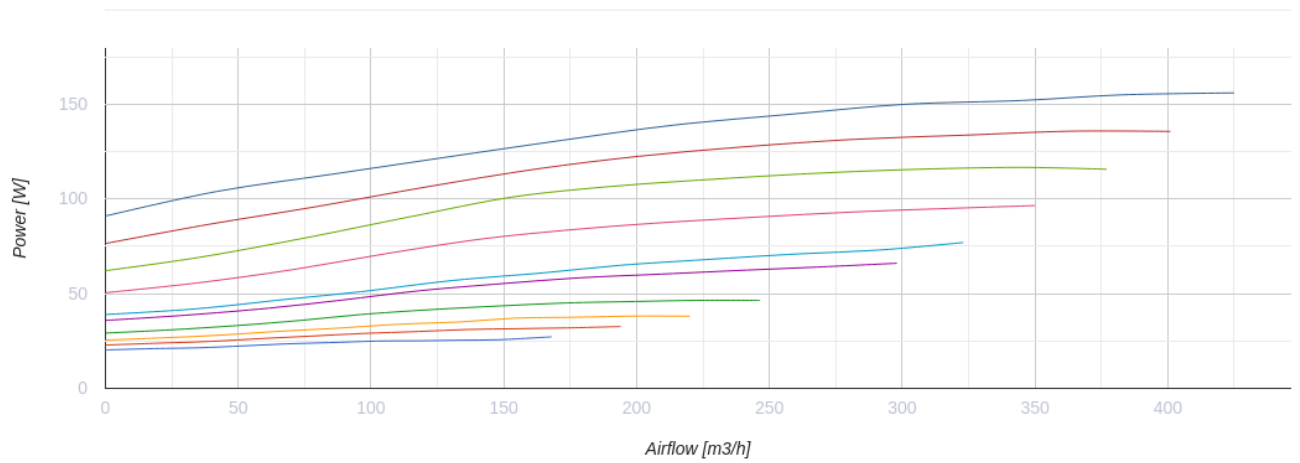
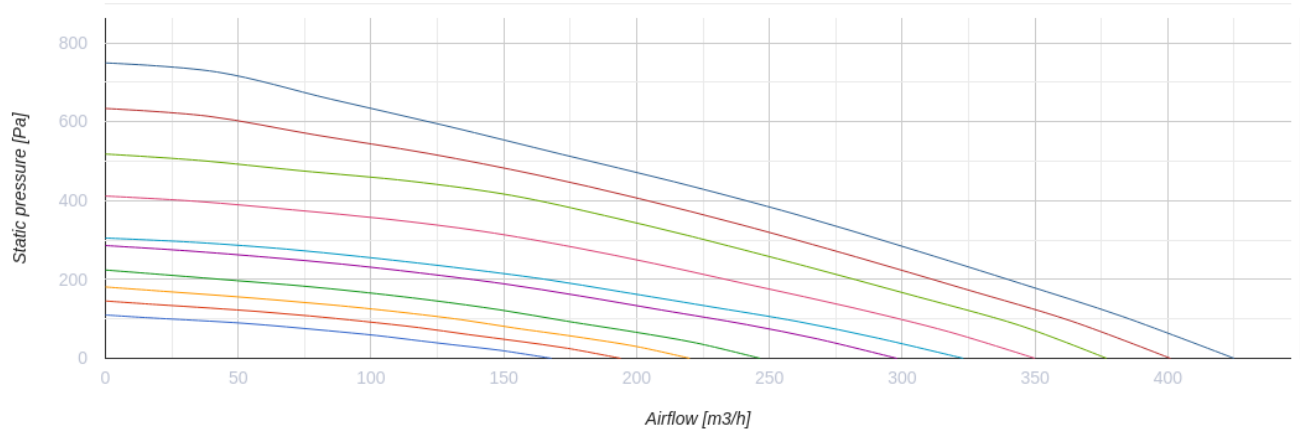


Suspended air handling units with a sorption rotary heat exchanger

- Power of electrical reheater: 1400
- Maximum airflow: 430
- Sound pressure level LpA at 3 m: 31
- 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

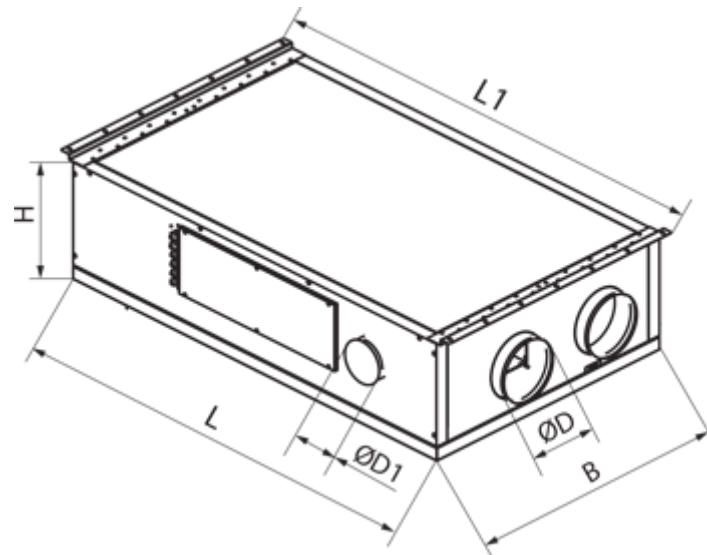
	Unit of measurement	VUTR 350 PE EC R A21
Connected air duct size	mm	160
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	185
Power of electrical reheater	W	1400
Unit current	A	6.9
Maximum airflow	m ³ /h	430
Sound pressure level LpA at 3 m	dB(A)	31
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	82
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		Touch screen control panel for controlling industrial and residential air handling units
A22		Control panels for controlling industrial and residential air handling units
A22 WiFi		Control panels for controlling industrial and residential air handling units

Sensors


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

For round ducts



Name	Photo	Description
KOM 160		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts

KRV 160		Air dampers for automatic air flow control in round ducts
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
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

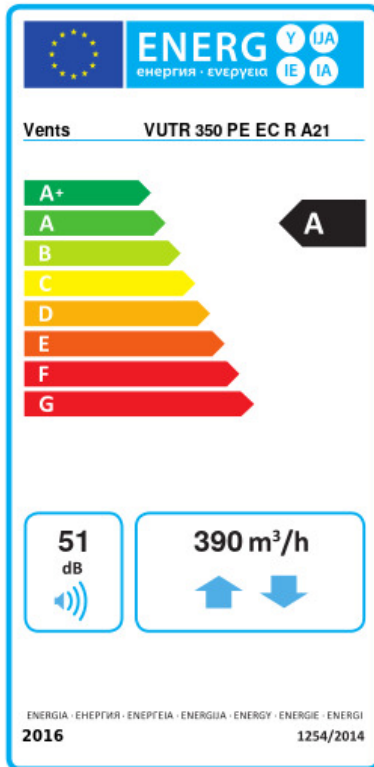
Other accessories

Name	Photo	Description
SF 320x235x48 G4		Panel filter G4
SF 320x235x48 F7		F7 panel filter

Flanges

Name	Photo	Description
KH-1		Kitchen hood for removing combustion products, vapors and odors from the air

Ecodesign



Trademark	Vents					
Model	VUTR 350 PE EC R A21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	83.219	A+	40.9116	A	16.6751	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	77					
Maximum flow rate (m³/h)	390					
Electric power input (W)	155					
Reference flow rate (m³/s)	0.081					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.252					
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))	51					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	133		133		133	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8654.7489		4424.1213		2000.5293	