VUER 202 V EC R A21



Vertical air handling units with a sorption rotary heat exchanger

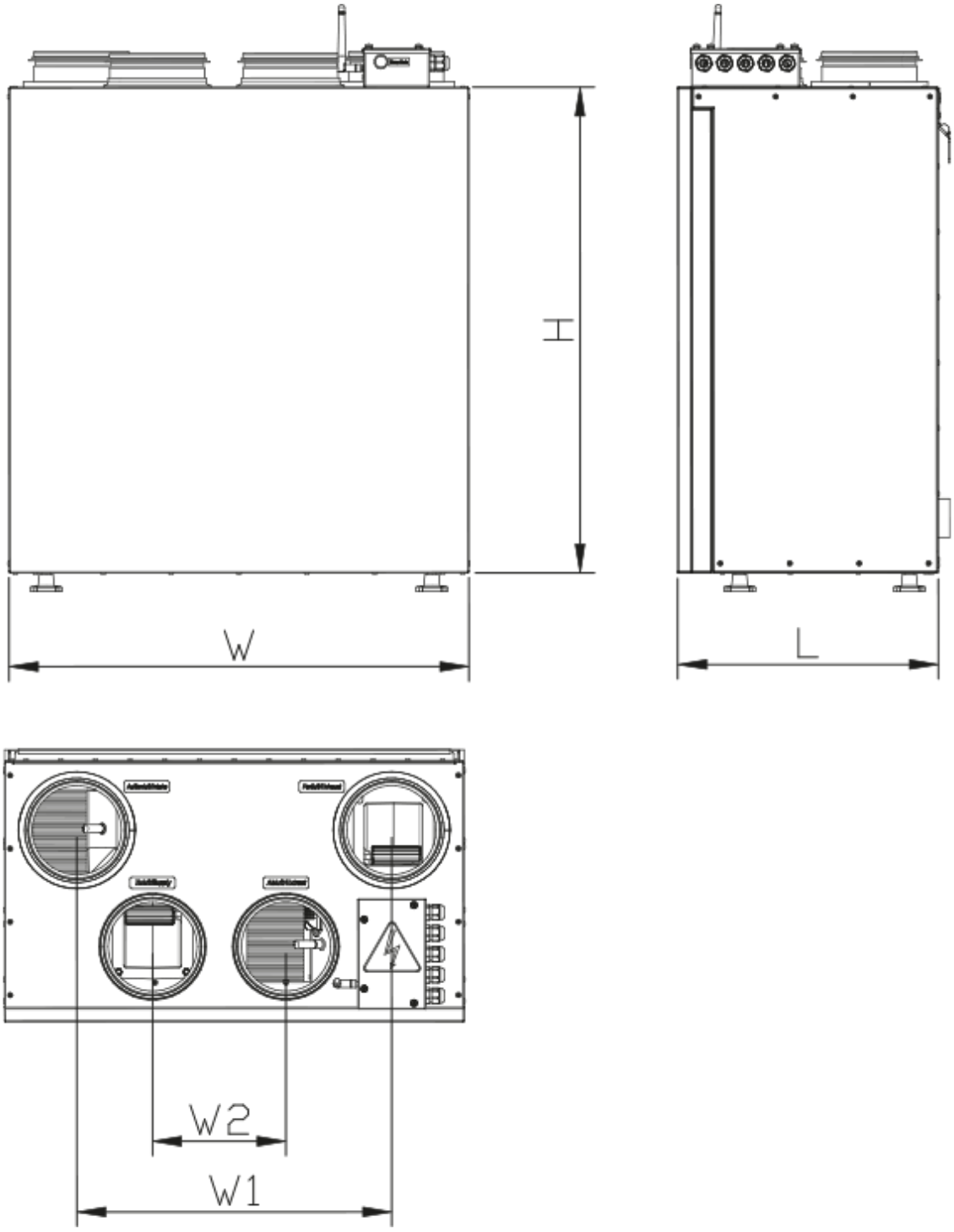
- Sound pressure level LpA at 3 m: 24
- Heat exchanger type: Sorption rotary
- Heat exchanger material: Aluminum
- Supply filter: G4 / Coarse > 60% (option F7 / ePM1 60%)
- Extract filter: G4 / Coarse > 60%
- Sound-insulated casing
- Bypass: Auto
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUER 202 V EC R A21
Connected air duct size	mm	125
Phases	-	1
Maximum supply voltage	V	230
Minimum supply voltage	V	230
Power supply frequency	Hz	50
Rated power	W	187
Unit current	A	1.1
Maximum airflow	m³/h	250
Sound pressure level LpA at 3 m	dB(A)	24
Heat recovery efficiency, max	%	86
Heat exchanger type	-	Sorption rotary
Heat exchanger material	-	Aluminum
Weight	kg	46
Supply filter	-	G4 / Coarse > 60% (option F7 / ePM1 60%)
Extract filter	-	G4 / Coarse > 60%
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40

Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44
Ambient air humidity max	%	60

Dimensions

H	W	W1	W2	L
630	596	408	173	338



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
CO2-1		CO2 sensors
HR-S		Electro-mechanical humidistat

For round ducts

Name	Photo	Description
SR 125/600		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 125/900		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 125/1200		Silencers made of galvanized steel filled with non-combustible sound-absorbing material

For round ducts

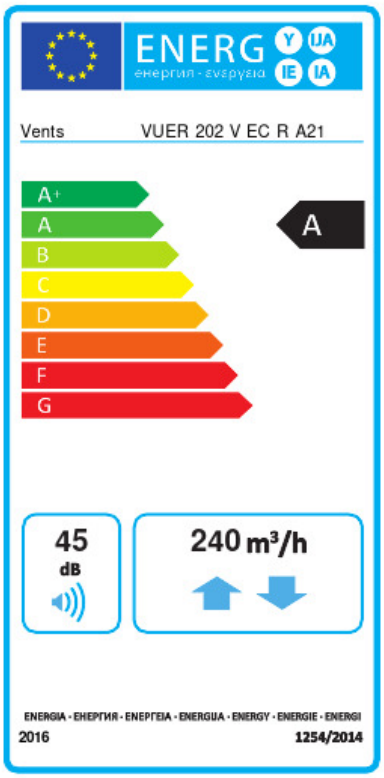
Name	Photo	Description
KOM 125		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
KRV 125		Air dampers for automatic air flow control in round ducts

Electric actuators

Name	Photo	Description

Belimo TF230		The actuators are designed for controlling air dampers with cross section up to 0.4 m² performing protection functions

Ecodesign



Trademark	Vents					
Model	VUER 202 V EC R A21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	-85.6	A+	-41.1	A	-15.6	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	88					
Maximum flow rate (m³/h)	240					
Electric power input (W)	170					
Reference flow rate (m³/s)	0.047					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.411					
Control typology	Local demand control					
Maximum internal leakage rates (%)	3.3					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	45					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	217		869		217	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9100		4652		2104	