

VUE 100 P3B EC R A14



Heat recovery air handling units in heat- and sound-insulated casing

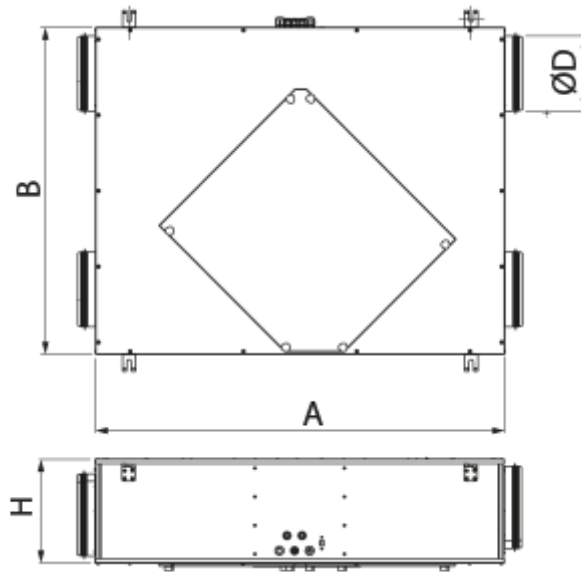
- Maximum airflow: 170
- Sound pressure level LpA at 3 m: 30
- Heat exchanger type: Cross flow
- Extract filter: G4
- Supply filter: G4 and F8 (PM2.5 93%)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Manual
- Control: Remote Control
- Casing material: Coated steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUE 100 P3B EC R A14
Connected air duct size	mm	100
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	66
Unit current	A	0.5
Maximum airflow	m ³ /h	170
Sound pressure level LpA at 3 m	dB(A)	30
Heat recovery efficiency, max	%	82
Heat exchanger type	-	Cross flow
Heat exchanger material	-	Enthalpy
Weight	kg	17
Extract filter	-	G4
Supply filter	-	G4 and F8 (PM2.5 93%)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-15
Ambient air temperature min	°C	1

Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44



Dimensions

ØD	A	B	H
99	600	481	207




Accessories

Other accessories

Name	Photo	Description
SF 200x191x20 G4		Panel filter G4
SF 200x191x20 F8		F8 panel filter

Sensors


Name	Photo	Description
HV2		Humidity sensor

CO2-1		CO2 sensors
CO2-2		CO2 sensors
HR-S		Electro-mechanical humidistats

Condensation drainage

Name	Photo	Description
SH-32		The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems

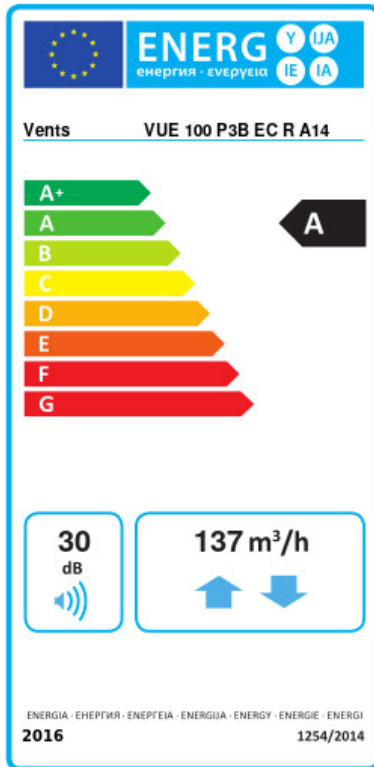
For round ducts

Name	Photo	Description
KRV 100		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

Ecodesign



Trademark	Vents					
Model	VUE 100 P3B EC R A14					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	76.7	A+	40	A	16.3	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	76					
Maximum flow rate (m ³ /h)	137					
Electric power input (W)	55					
Reference flow rate (m ³ /s)	0.028					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.273					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	30					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	726		189		144	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8614		4403		1991	