

# VUT 250 VB EC A14



Air handling units in heat- and sound-insulated casing equipped with a counter-flow polystyrene heat exchanger

- Maximum airflow: 290
- Sound pressure level LpA at 3 m: 25
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4, F7
- Sound insulation
- Motor type: EC
- 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	VUT 250 VB EC A14
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	115
Unit current	A	0.9
Maximum airflow	m <sup>3</sup> /h	290
Sound pressure level LpA at 3 m	dB(A)	25
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	51
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	%	60
Ingress protection rating	-	IP20

Ingress protection rating of the drive	-	IP44
ErP compliance	-	2016, 2018
Cold - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	81.8
SEC Class Cold	-	A+
Average - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	42.7
SEC Class Average	-	A+
Warm - Specific energy consumption (SEC)	kWh/(m <sup>2</sup> /a)	17.6
SEC Class Warm	-	E
Unit category	-	RVU
Type of ventilation unit	-	Bidirectional
Type of drive installed	-	Variable speed
Type of heat recovery system	-	Recuperative
Thermal efficiency of heat recovery	%	88
Maximum flow rate	m <sup>3</sup> /h	247
Electric power input	W	106
Reference flow rate	m <sup>3</sup> /s	0.049
Reference pressure difference	Pa	50
Specific power input (SPI)	W/(m <sup>3</sup> /h)	0.257
Control typology	-	Local demand control
Maximum internal leakage rates	%	2.7
Maximum external leakage rates	%	2.7
Cold - The annual electricity consumption (AEC)	kWh/a	718
Average - The annual electricity consumption (AEC)	kWh/a	181
Warm - Jährlicher Stromverbrauch (JSV)	kWh/a	136
Cold - The annual heating saved (AHS)	kWh/a	9100
The annual heating saved (AHS) Average	kWh/a	4652
The annual heating saved (AHS) Warm	kWh/a	2104
Declared typology	-	RVU BVU
Sound power level	dB(A)	45





## Dimensions

ØD	B	H	L
160	560	970	560




## Accessories


### Sensors

Name	Photo	Description
<a href="#">HV2</a>		Humidity sensor
<a href="#">CO2-1</a>		CO2 sensors
<a href="#">CO2-2</a>		CO2 sensors
<a href="#">HR-S</a>		Electro-mechanical humidistats


### Condensation drainage

Name	Photo	Description
<a href="#">SH-32</a>		The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems



### For round ducts

Name	Photo	Description
<a href="#">KRV 160</a>		Air damper for air flow cut-off in round air ducts


### Electric actuators

Name	Photo	Description
<a href="#">Belimo LF230</a>		The Belimo LF series actuators are designed for controlling air dampers with cross section up to 0.8 m <sup>2</sup> performing protection functions

### Other accessories

Name	Photo	Description
SF 340x170x48 G4		Panel filter G4
SF 340x170x48 F7		F7 panel filter

### Cooker Hoods

Name	Photo	Description
<a href="#">KH-1</a>		The kitchen exhaust hood is designed to clean air from combustion products, fumes, odors that form during cooking in the kitchen