

# VUE 180 P5B EC A14

Heat recovery air handling units in sound- and heat-insulated casings equipped with an enthalpy counter-flow heat exchanger



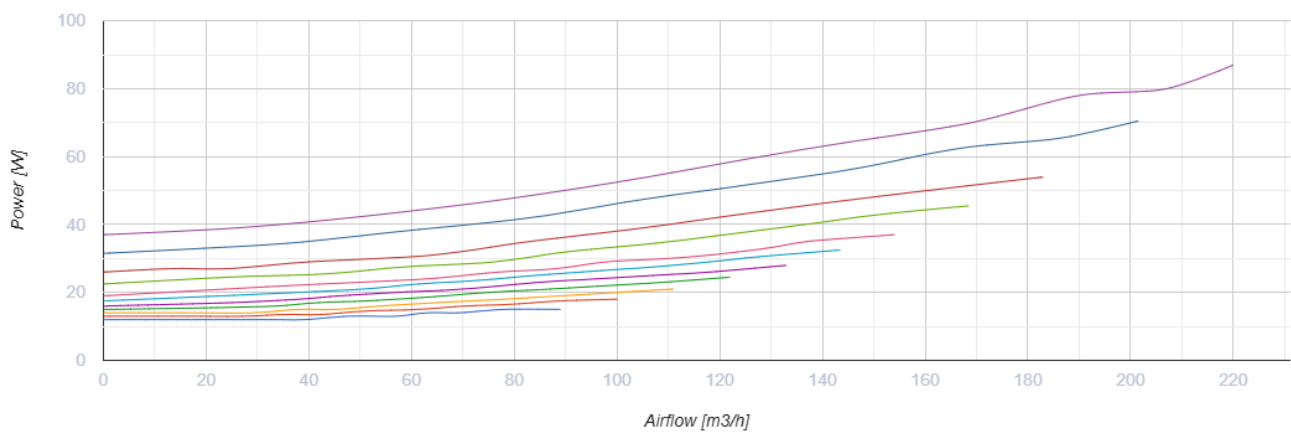
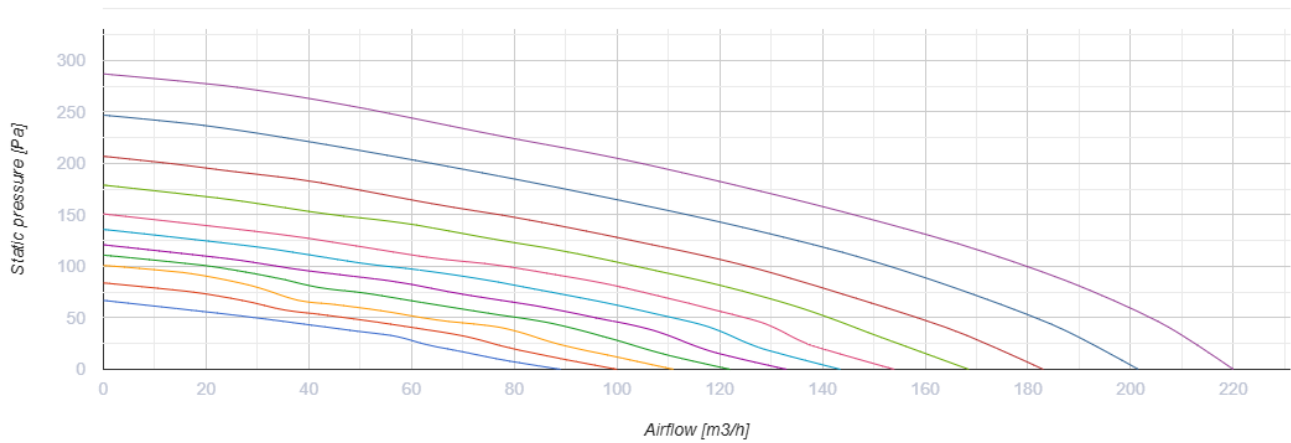
- Maximum airflow: 220
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4, F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Manual
- Control: Remote Control
- Casing material: Polypropylene/Thermoplastic elastomer
- Installation in any position
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUE 180 P5B EC A14
Connected air duct size	mm	150
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	87
Unit current	A	0.71
Maximum airflow	m <sup>3</sup> /h	220
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	14
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	-	IP22

Ingress protection rating of the drive

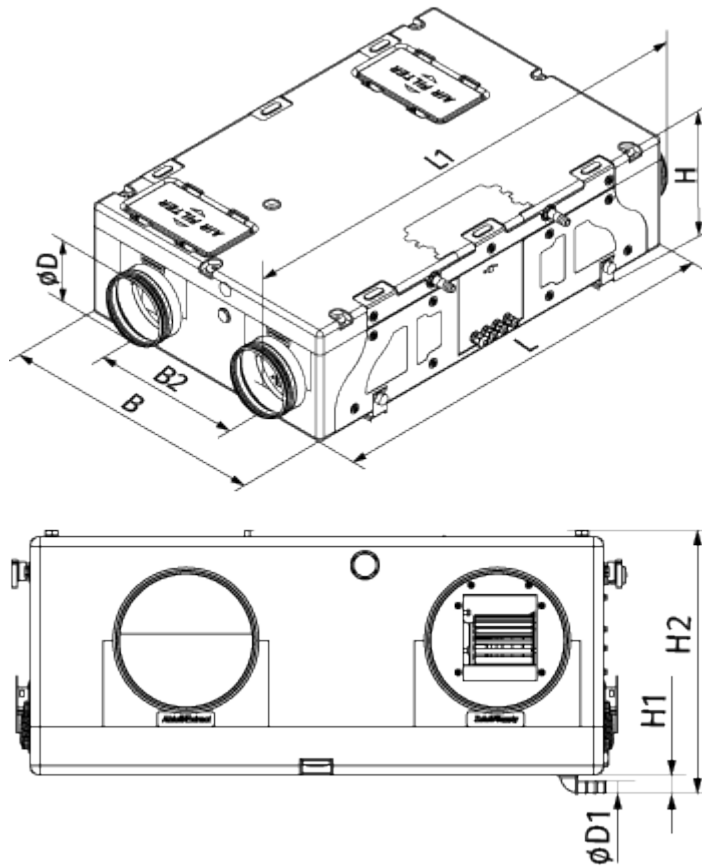
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IP44







## Dimensions

ØD	B	B2	H	L	L1
150	600	326	264	900	1009



## 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



### For round ducts

Name	Photo	Description
<a href="#">KRV 150</a>		Air damper for air flow cut-off in round air ducts

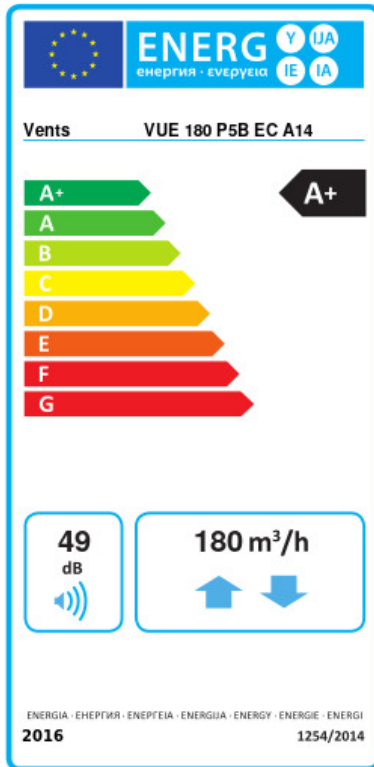
## Electric actuators

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 214x186x18 G4		Panel filter G4
SF 214x186x48 F7		F7 panel filter

## Ecodesign



Trademark	Vents					
Model	VUE 180 P5B EC A14					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	-80.7	A+	-42.2	A+	-17.5	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	85					
Maximum flow rate (m <sup>3</sup> /h)	180					
Electric power input (W)	77					
Reference flow rate (m <sup>3</sup> /s)	0.035					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.248					
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))	49					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	713		176		131	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8979		4590		2075	