

VUT 180 P5B EC A14

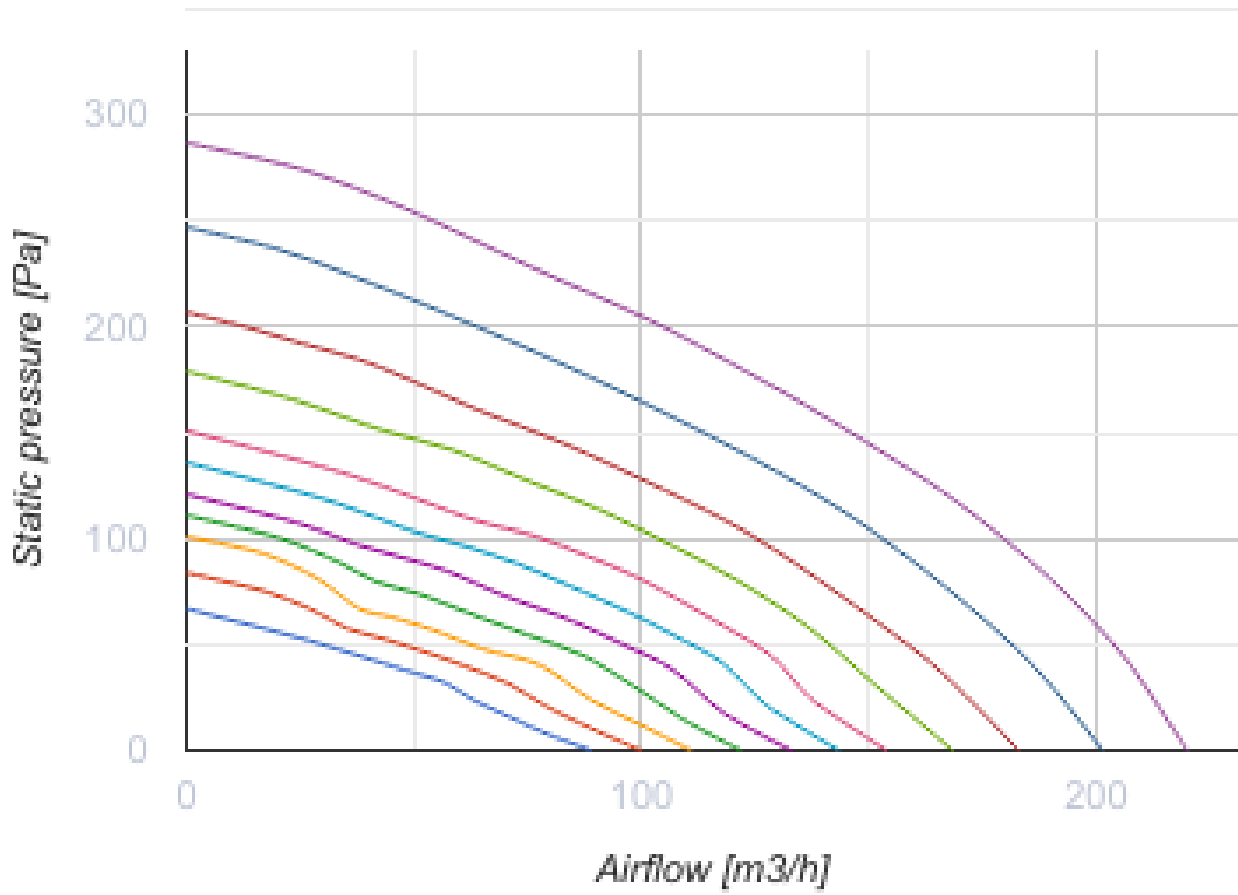
Heat recovery air handling units in sound- and heat-insulated casings equipped with a counter-flow polystyrene heat exchanger

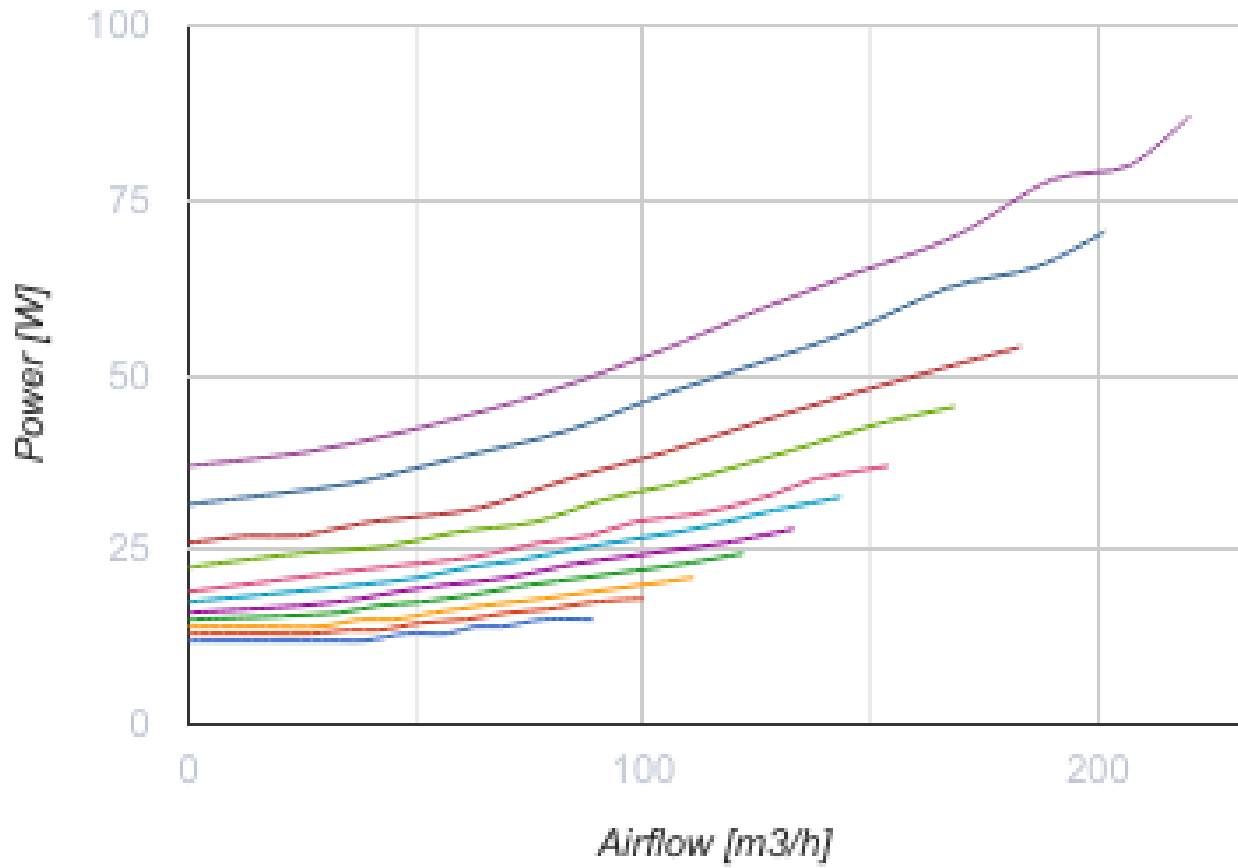


- Maximum airflow: 220
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4, F7
- Sound insulation
- Motor type: EC
- Bypass: Manual
- Control: Remote Control
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUT 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 ³ /h	220
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	98
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
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

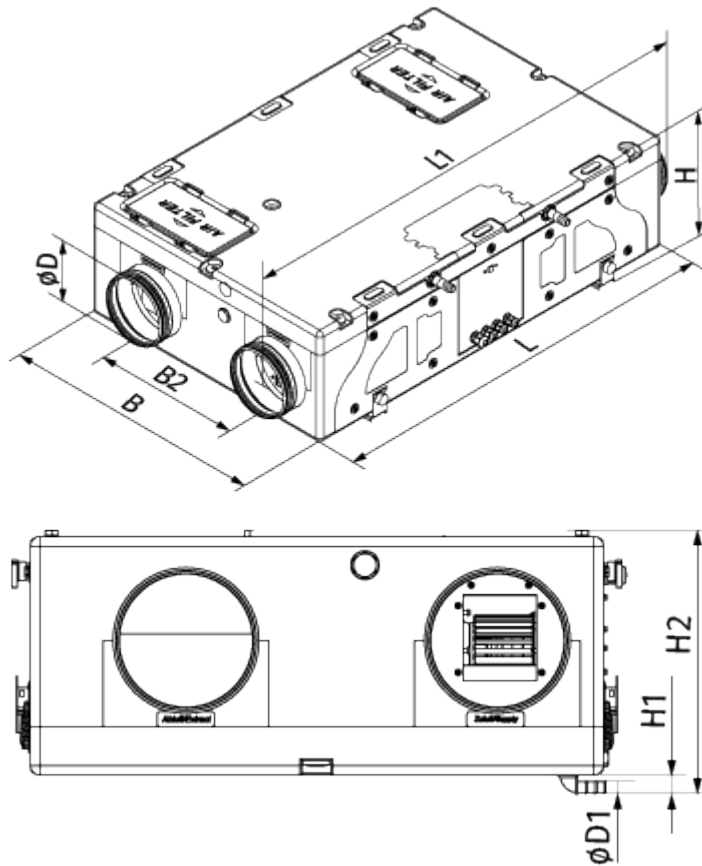
Ingress protection rating of the drive	-	IP44
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Dimensions

ØD	ØD1	B	B2	H	H1	H2	L	L1
150	19	600	326	264	38	302	900	1009




Accessories


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 150		Air damper for air flow cut-off in round air ducts

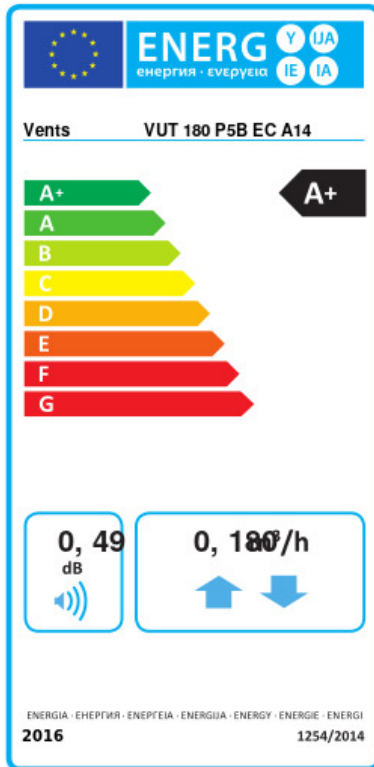
Electric actuators

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

Other accessories

Name	Photo	Description
SF 214x186x18 G4		Panel filter G4
SF 214x186x48 F7		F7 panel filter

Ecodesign



Trademark	Vents					
Model	VUT 180 P5B EC A14					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	-83.5	A+	-43.6	A+	-18.1	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	92					
Maximum flow rate (m ³ /h)	180					
Electric power input (W)	77					
Reference flow rate (m ³ /s)	0.035					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /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	
	9262		4735		2141	