

VUT 270 V5B EC A21



Vertical air handling units with a counterflow polystyrene or enthalpy heat exchanger

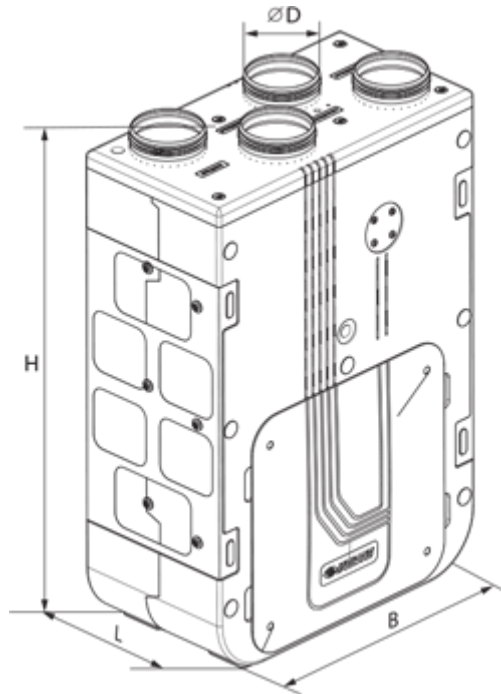
- Maximum airflow: 300
- Sound pressure level LpA at 3 m: 34
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (option F8)
- Sound insulation
- Motor type: EC
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Polypropylene/Thermoplastic elastomer
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUT 270 V5B EC A21
Connected air duct size	mm	125
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	162
Unit current	A	1.2
Maximum airflow	m ³ /h	300
Sound pressure level LpA at 3 m	dB(A)	34
Heat recovery efficiency, max	%	98
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	13
Extract filter	-	G4
Supply filter	-	G4 (option F8)
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	B	H	L
125	590	893	316






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
HV2		Humidity sensor
CO2-1		CO2 sensors

CO2-2		CO2 sensors
HR-S		Electro-mechanical humidistat


Electrical heaters

Name	Photo	Description
NKD 125-0,6-1 A21 V.2		Inline supply air reheaters with external control
NKD 125-0,8-1 A21 V.2		Inline supply air reheaters with external control
NKD 125-1,2-1 A21 V.2		Inline supply air reheaters with external control
NKP 125-0,6-1 A21 V.2		Inline heaters for heat exchanger frost protection
NKP 125-0,8-1 A21 V.2		Inline heaters for heat exchanger frost protection
NKP 125-1,2-1 A21 V.2		Inline heaters for heat exchanger frost protection

Condensation drainage

Name	Photo	Description
SH-32		Hydraulic U-trap to drain condensate from heat exchangers and coolers

For round ducts

Name	Photo	Description
KRV 125		Air dampers for automatic air flow control in round ducts

Other accessories

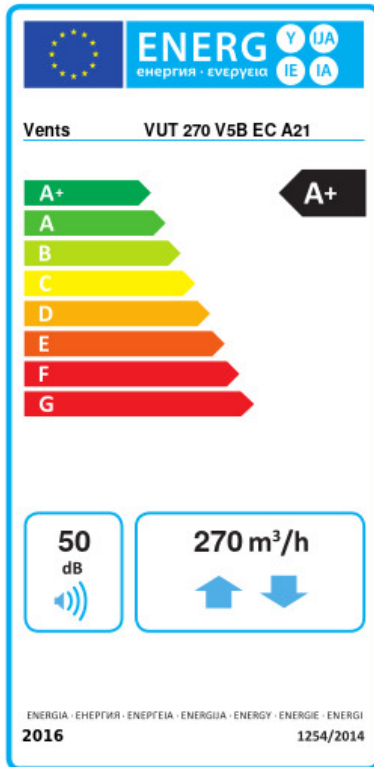
Name	Photo	Description
SF 264x182x18 G4		Panel filter G4

SF 264x182x18 F8



F8 panel filter

Ecodesign



Trademark	Vents					
Model	VUT 270 V5B EC A21					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	81.8	A+	42.3	A+	17	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	90					
Maximum flow rate (m ³ /h)	270					
Electric power input (W)	153					
Reference flow rate (m ³ /s)	0.053					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.316					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	50					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	749		212		167	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	9181		4693		2122	