

VUE 270 V5B EC A21

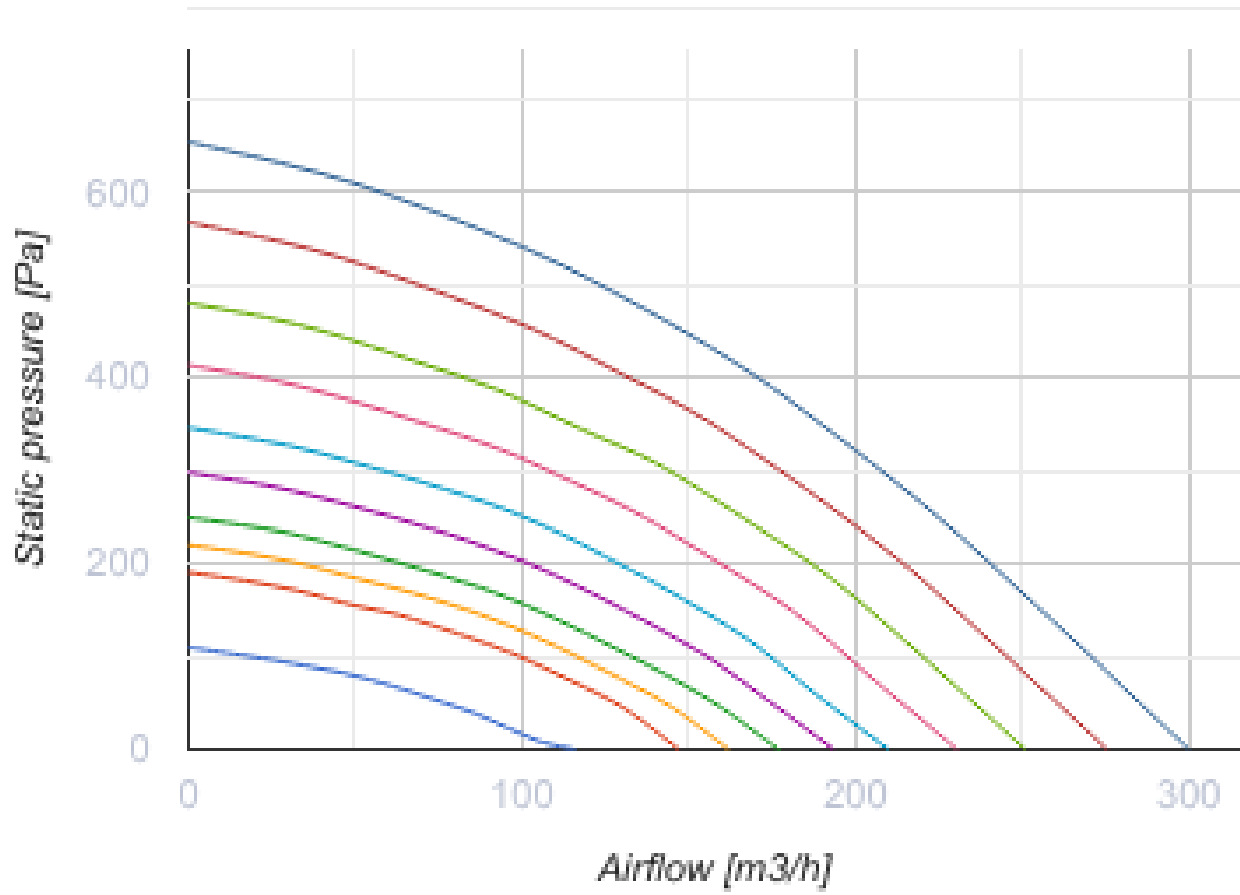


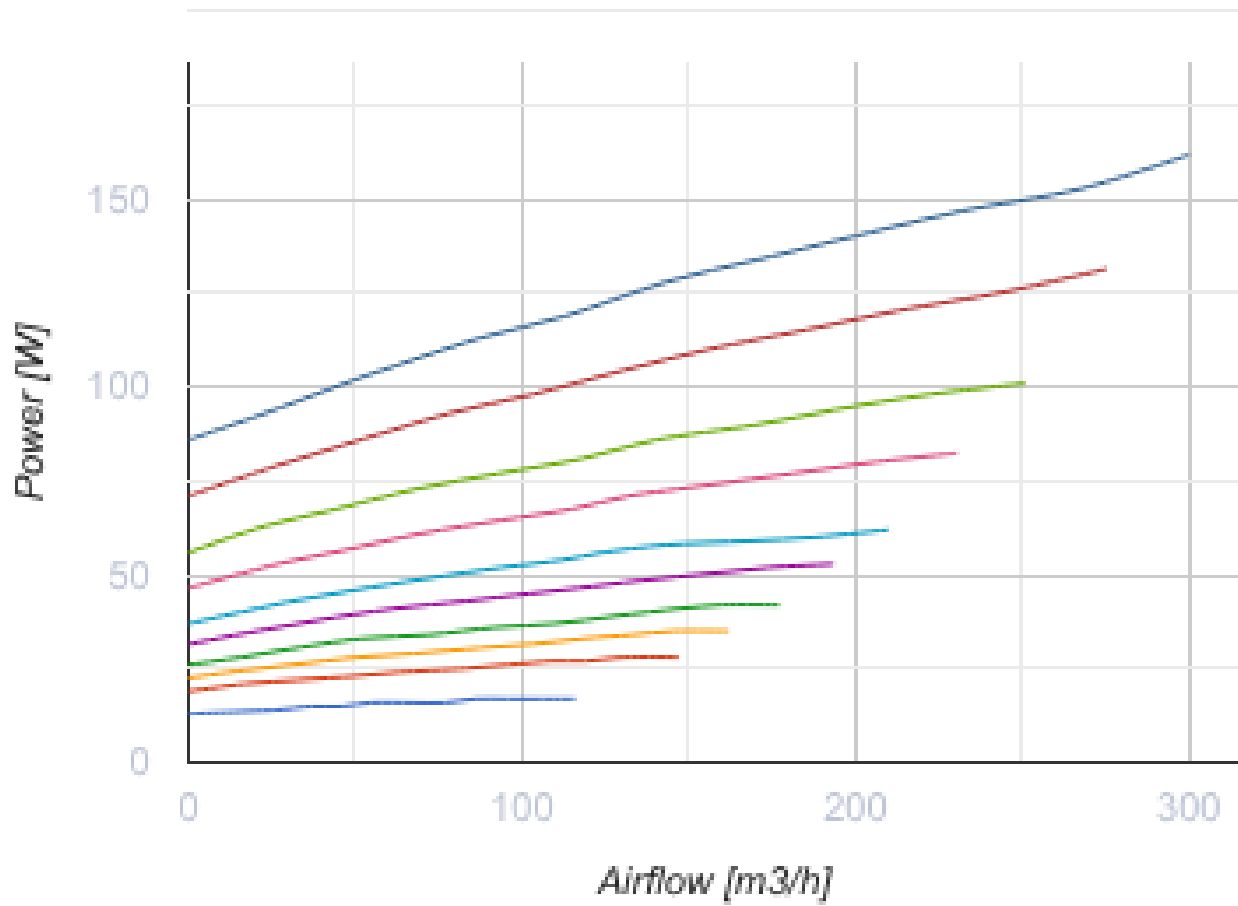
Vertical air handling units with a counterflow polystyrene or enthalpy heat exchanger

- Sound pressure level LpA at 3 m: 34
- Heat exchanger type: Counter flow
- Heat exchanger material: Enthalpy
- Extract filter: G4
- Supply filter: G4 (option F8)
- Sound-insulated casing
- Enthalpy heat exchanger
- Bypass: Auto
- Preheater: Optional
- Reheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- CO2 sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	VUE 270 V5B EC A21
Connected air duct size	mm	125
Phases	-	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
Rotation speed at 50hz	-	3200
Sound pressure level LpA at 3 m	dB(A)	34
Heat recovery efficiency, max	%	94
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	13.5
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

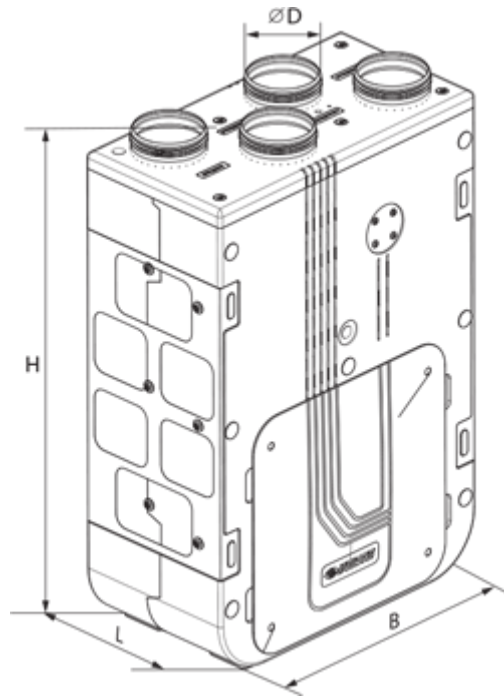
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44








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
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Electrical heaters

Name	Photo	Description
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
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

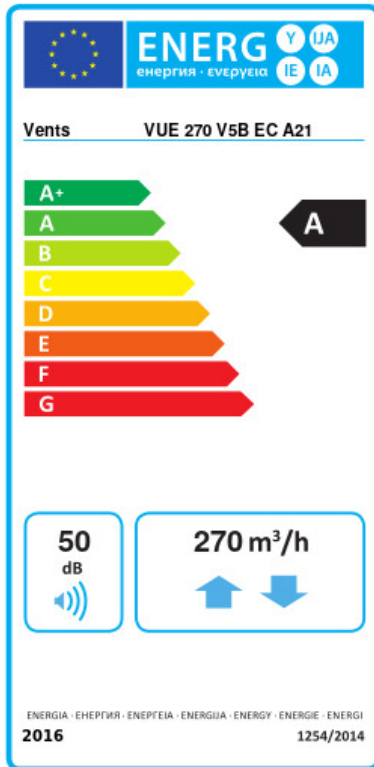
For round ducts

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	VUE 270 V5B EC A21					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	77.8	A+	40.2	A	16.1	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	80					
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					
Declared typology	RVU BVU					
Sound power level (dB(A))	50					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	749		212		167	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8776		4486		2029	