

VUE 300 PBE EC L A21 DTV

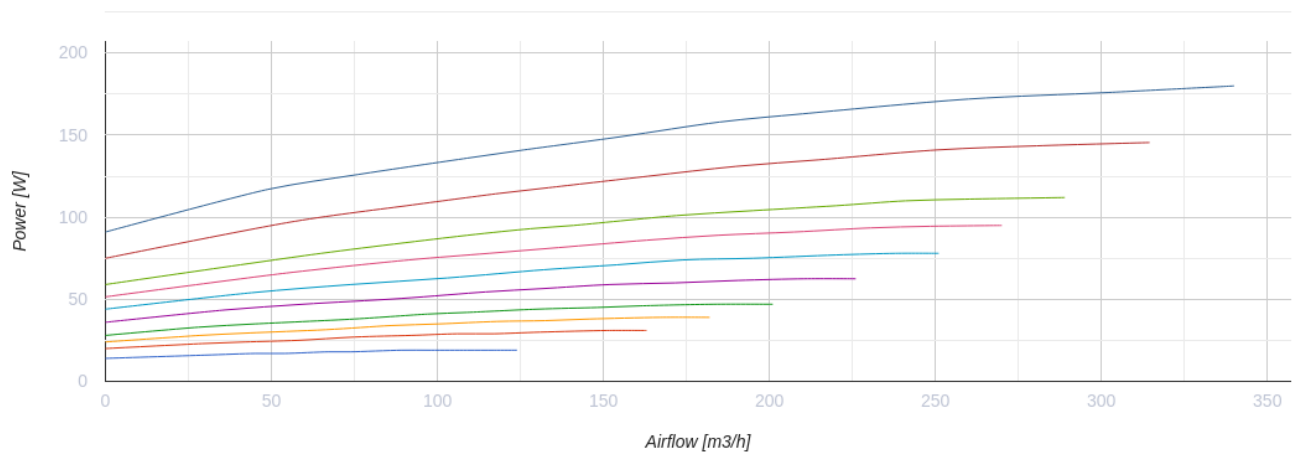
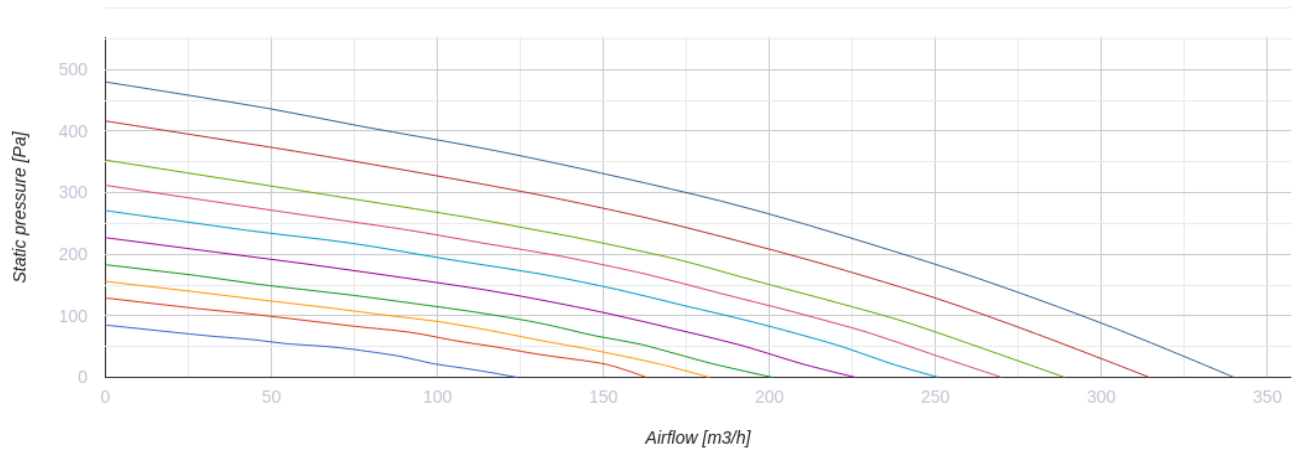


Suspended commercial air handling units with a counterflow polystyrene heat exchanger

- Power of electrical reheater: 1500
- Maximum airflow: 340
- Sound pressure level LpA at 3 m: 27
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (F7 option)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Electric
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: Galvanized steel
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

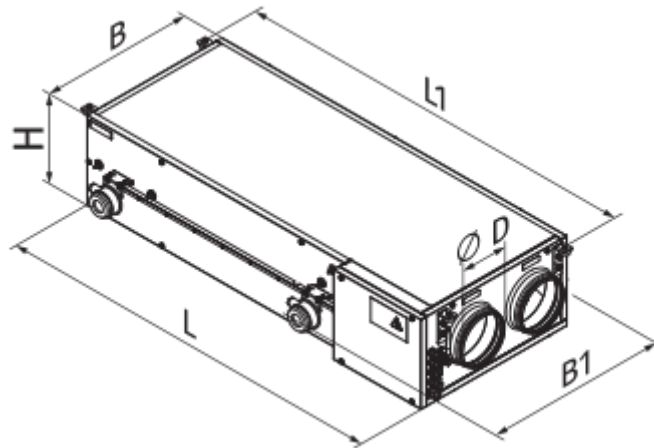
	Unit of measurement	VUE 300 PBE EC L A21 DTV
Connected air duct size	mm	160
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	180
Power of electrical reheater	W	1500
Unit current	A	7.9
Maximum airflow	m ³ /h	340
Sound pressure level LpA at 3 m	dB(A)	27
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	44
Extract filter	-	G4
Supply filter	-	G4 (F7 option)
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	B1	H	L	L1
160	485	577	280	1238	1291







Accessories

Control Panels for AHU




Name	Photo	Description
A22		Control panels for controlling industrial and residential air handling units
A22 WiFi		Control panels for controlling industrial and residential air handling units
A25		Touch screen control panel 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

For round ducts


Name	Photo	Description
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SR 160/600		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 160/900		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
SR 160/1200		Silencers made of galvanized steel filled with non-combustible sound-absorbing material




For round ducts

Name	Photo	Description
KOM 160		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
KRV 160		Air dampers for automatic air flow control in round ducts



Electric actuators



Name	Photo	Description
Belimo TF230		The actuators are designed for controlling air dampers with cross section up to 0.4 m ² performing protection functions

Other accessories

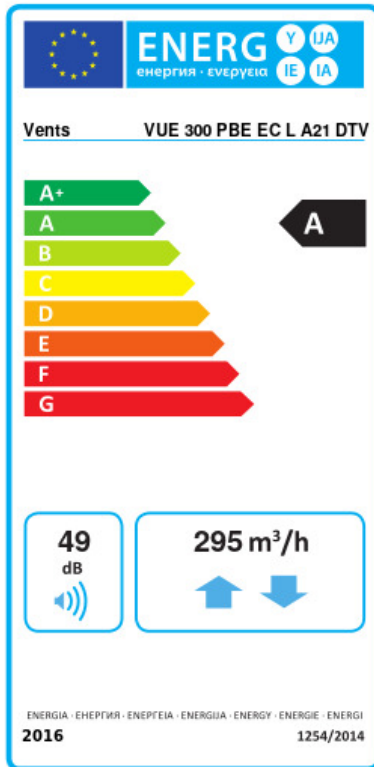
Name	Photo	Description
SFK 208x236x27 G4		G4 pocket filter
SFK 208x236x27 F7		F7 pocket filter
SF 440x128x20 G4		Panel filter G4

Electrical heaters

Name	Photo	Description
NKP 160-0,8-1 A21 V.2		Inline heaters for heat exchanger frost protection
NKP 160-2,0-1 A21 V.2		Inline heaters for heat exchanger frost protection

NKP 160-1,7-1 A21 V.2		Inline heaters for heat exchanger frost protection
NKP 160-1,2-1 A21 V.2		Inline heaters for heat exchanger frost protection

Ecodesign



Trademark	Vents			
Model	VUE 300 PBE EC L A21 DTV			
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average	
	74.5	A+	38.3	A
Specific energy consumption (SEC) (kWh/(m ² /a))	Warm		Average	
	15	E	38.3	A
Type of ventilation unit	Bidirectional			
Type of drive installed	Variable speed			
Type of heat recovery system	Recuperative			
Thermal efficiency of heat recovery (%)	73			
Maximum flow rate (m ³ /h)	295			
Electric power input (W)	174			
Reference flow rate (m ³ /s)	0.061			
Reference pressure difference (Pa)	50			
Specific power input (SPI) (W/(m ³ /h))	0.35			
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	
	767	230	185	185
The annual heating saved (AHS) (kWh/a)	Cold		Average	
	8493	4341	1963	1963