

# VUE 300 PBE EC R A21 DTV

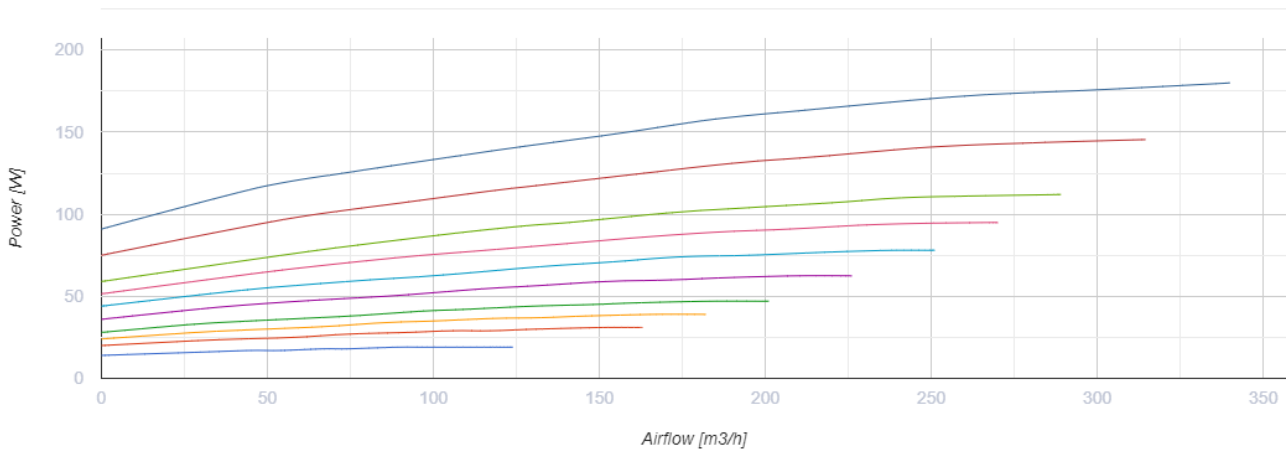
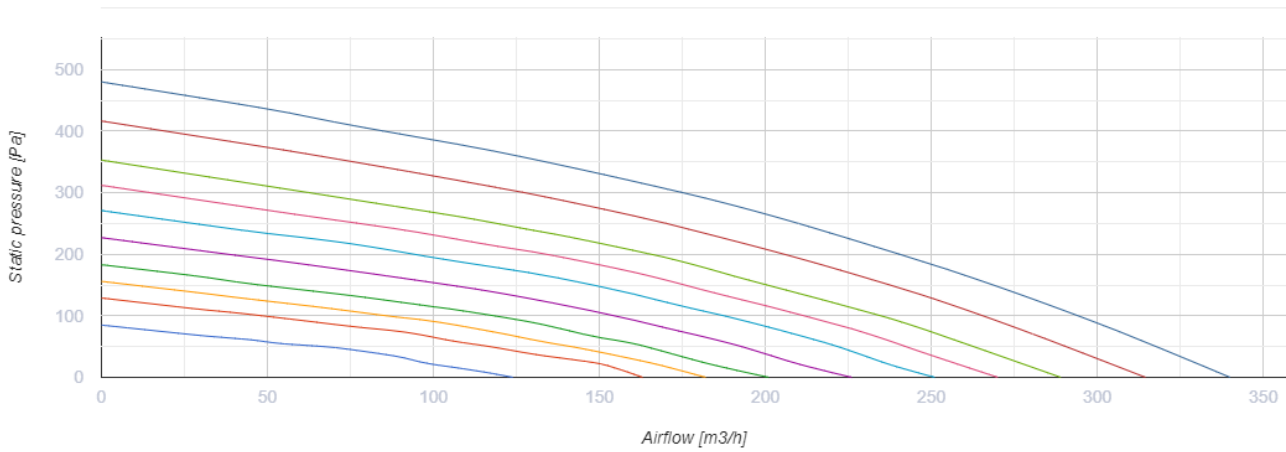


Ceiling mounted air handling units in compact heat- and sound-insulated casing with an electric heater equipped with an enthalpy counter-flow heat exchanger

- 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

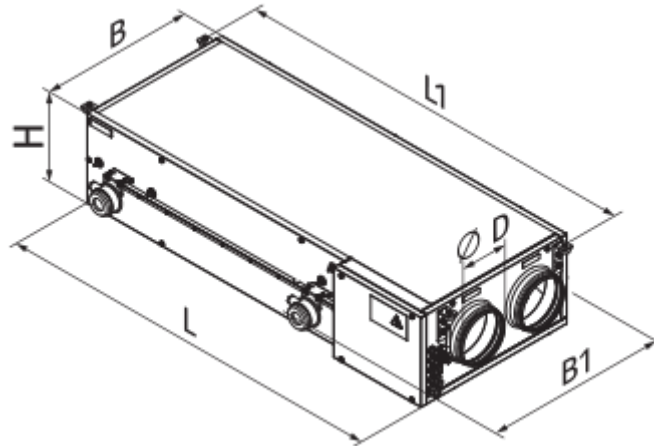
	Unit of measurement	VUE 300 PBE EC R A21 DTV
Connected air duct size	mm	160
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	180
Power of electrical reheater	W	1500
Unit current	A	7.9
Maximum airflow	m <sup>3</sup> /h	340
Sound pressure level LpA at 3 m	dB(A)	27
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
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
<a href="#">A22</a>		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
<a href="#">A22 WiFi</a>		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
<a href="#">A25</a>		The control panel with a sensor display

### 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
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<a href="#">SR 160/600</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 160/900</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
<a href="#">SR 160/1200</a>		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems




### For round ducts

Name	Photo	Description
<a href="#">KOM 160</a>		Spring-loaded backdraft damper for round ducts
<a href="#">KRV 160</a>		Air damper for air flow cut-off in round air ducts



### Electric actuators



Name	Photo	Description
<a href="#">Belimo TF230</a>		The actuators are designed for controlling air dampers with cross section up to 0.4 m <sup>2</sup> performing protection functions

### Other accessories

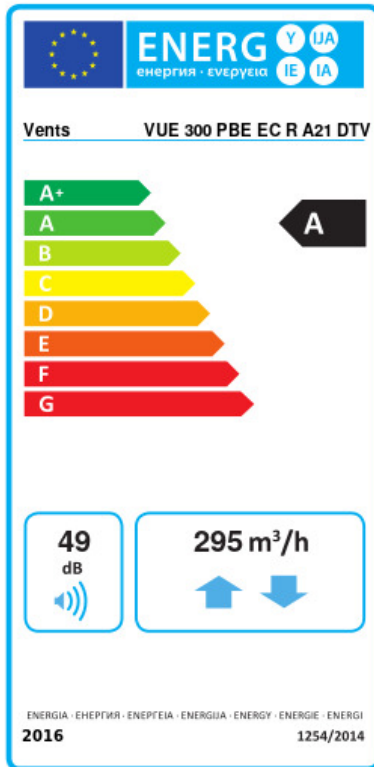
Name	Photo	Description
SFK 208x236x27 G4		G4 pocket filter
SFK 208x236x27 F7		F7 pocket filter
SF 440x128x20 G4		Panel filter G4

### Electrical heaters

Name	Photo	Description
<a href="#">NKP 160-2,0-1 A21 V.2</a>		Heater for heat exchanger freeze protection
<a href="#">NKP 160-1,7-1 A21 V.2</a>		Heater for heat exchanger freeze protection

<a href="#">NKP 160-1,2-1 A21 V.2</a>		Heater for heat exchanger freeze protection
<a href="#">NKP 160-0,8-1 A21 V.2</a>		Heater for heat exchanger freeze protection

## Ecodesign



Trademark	Vents		
Model	VUE 300 PBE EC R A21 DTV		
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold	Average	Warm
	74.5	38.3	15
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 <sup>3</sup> /h)	295		
Electric power input (W)	174		
Reference flow rate (m <sup>3</sup> /s)	0.061		
Reference pressure difference (Pa)	50		
Specific power input (SPI) (W/(m <sup>3</sup> /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	Warm
	767	230	185
The annual heating saved (AHS) (kWh/a)	Cold	Average	Warm
	8493	4341	1963