

VUE 900 PBE EC R A21 DTV

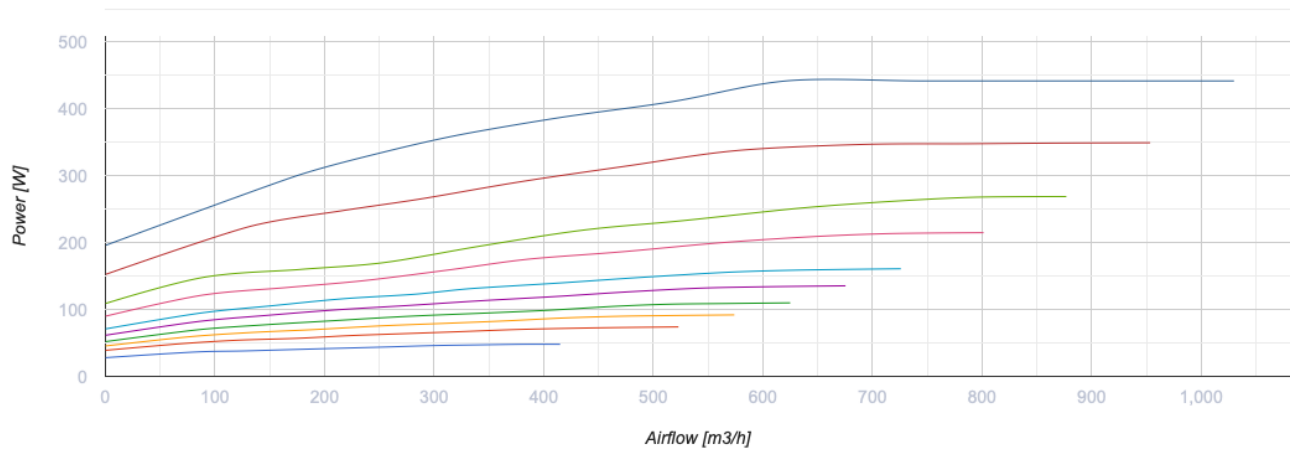
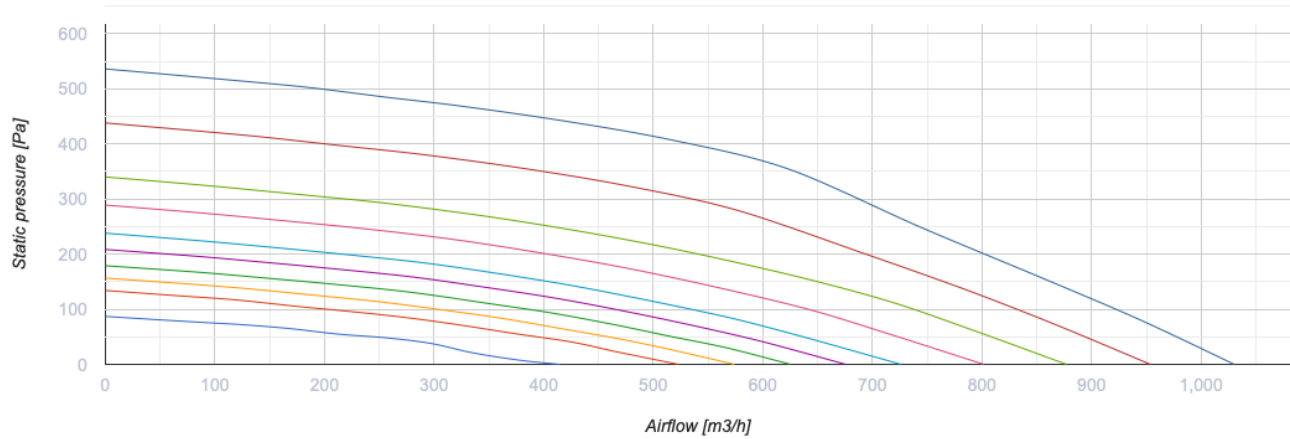


Ceiling mounted air handling units in compact heat- and sound-insulated casing with an electric heater equipped with an enthalpy counter-flow heat exchanger

- Power of electrical reheater: 3300
- Maximum airflow: 1030
- Sound pressure level LpA at 3 m: 33
- 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

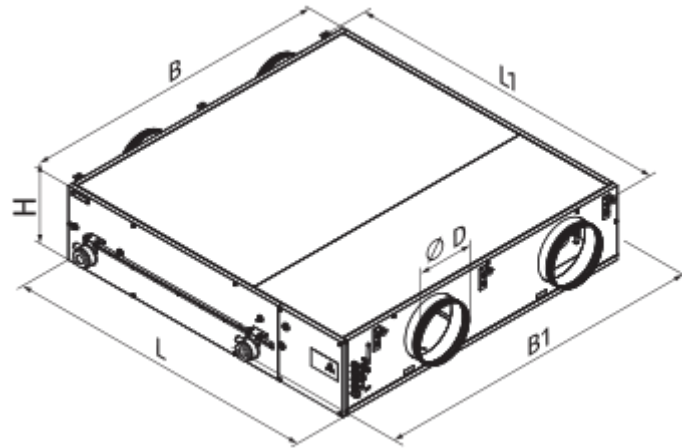
	Unit of measurement	VUE 900 PBE EC R A21 DTV
Connected air duct size	mm	250
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	442
Power of electrical reheater	W	3300
Unit current	A	17.4
Maximum airflow	m ³ /h	1030
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	85
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	111
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
250	1351	1485	318	1349	1402








Accessories



Control Panels for AHU

Name	Photo	Description
A22		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
A22 WiFi		The A22/A22 WiFi control panels are used for control of industrial and domestic air handling units with an A21 automation system.
A25		The control panel with a sensor display







Sensors

Name	Photo	Description
HV2		Humidity sensor
CO2-1		CO2 sensors
CO2-2		CO2 sensors
HR-S		Electro-mechanical humidistats
DPWC11200		Humidity sensor



VOC sensors

Name	Photo	Description
DPWQ30600		VOC sensors
DPWQ40200		CO2 sensor


For round ducts


Name	Photo	Description
SR 250/600		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SR 250/900		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SR 250/1200		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 250/600		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 250/900		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 250/2000		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems

For round ducts




Name	Photo	Description
KOM 250		Spring-loaded backdraft damper for round ducts
KRV 250		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

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

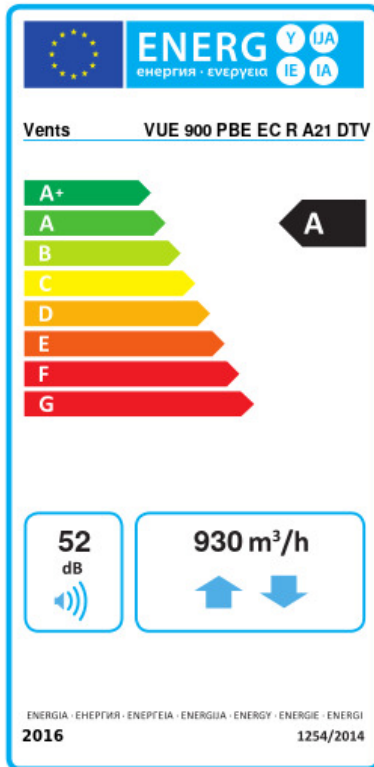
Other accessories

Name	Photo	Description
SFK 647x274x27 G4		G4 pocket filter
SFK 647x274x27 F7		F7 pocket filter
SF 647x274x20 G4		Panel filter G4

Electrical heaters

Name	Photo	Description
NKP 250-3,0-1 A21 V.2		Heater for heat exchanger freeze protection
NKP 250-2,0-1 A21 V.2		Heater for heat exchanger freeze protection
NKP 250-1,2-1 A21 V.2		Heater for heat exchanger freeze protection

Ecodesign



Trademark	Vents					
Model	VUE 900 PBE EC R A21 DTV					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	74.4	A+	38.9	A	15.9	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	70					
Maximum flow rate (m ³ /h)	930					
Electric power input (W)	442					
Reference flow rate (m ³ /s)	0.169					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.261					
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))	52					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	720		183		138	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8371		4279		1935	