

VUT 550 PBE EC L A21 DTV

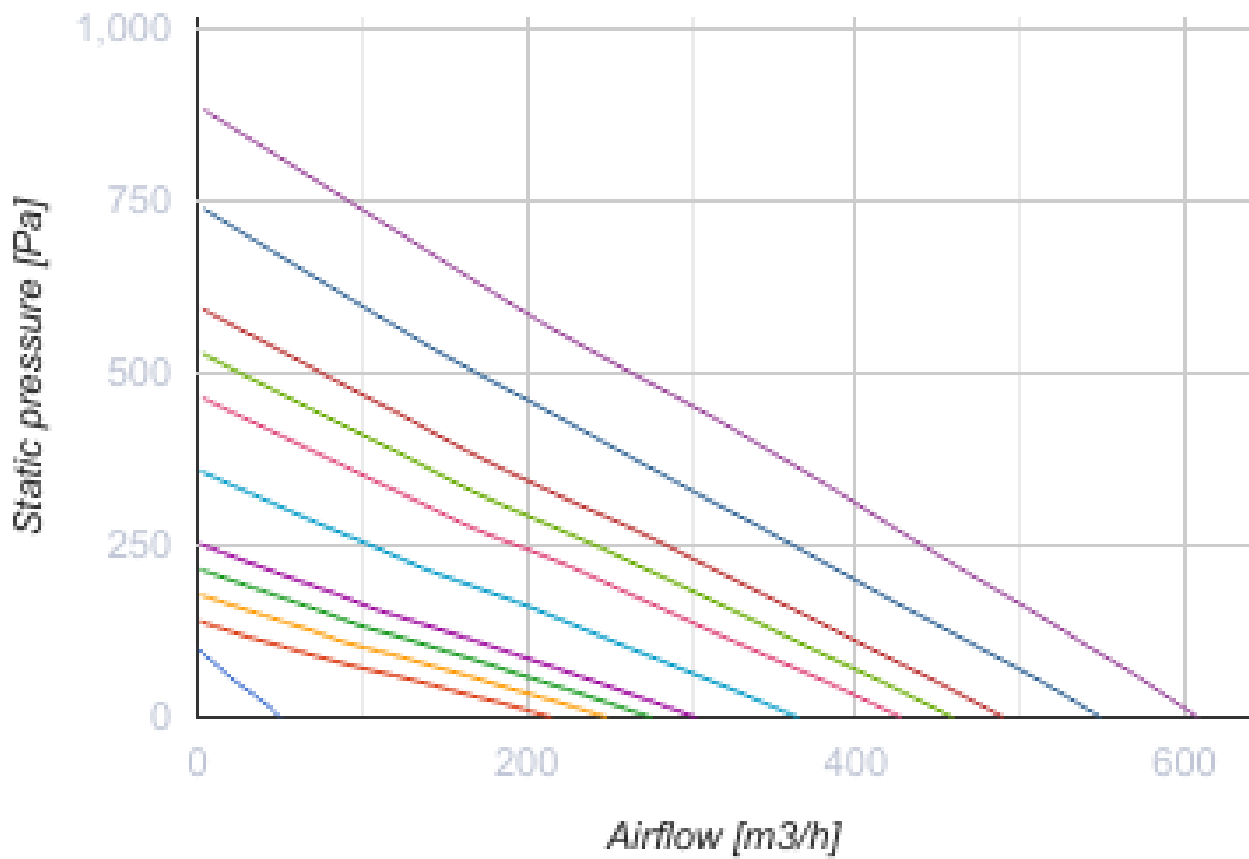


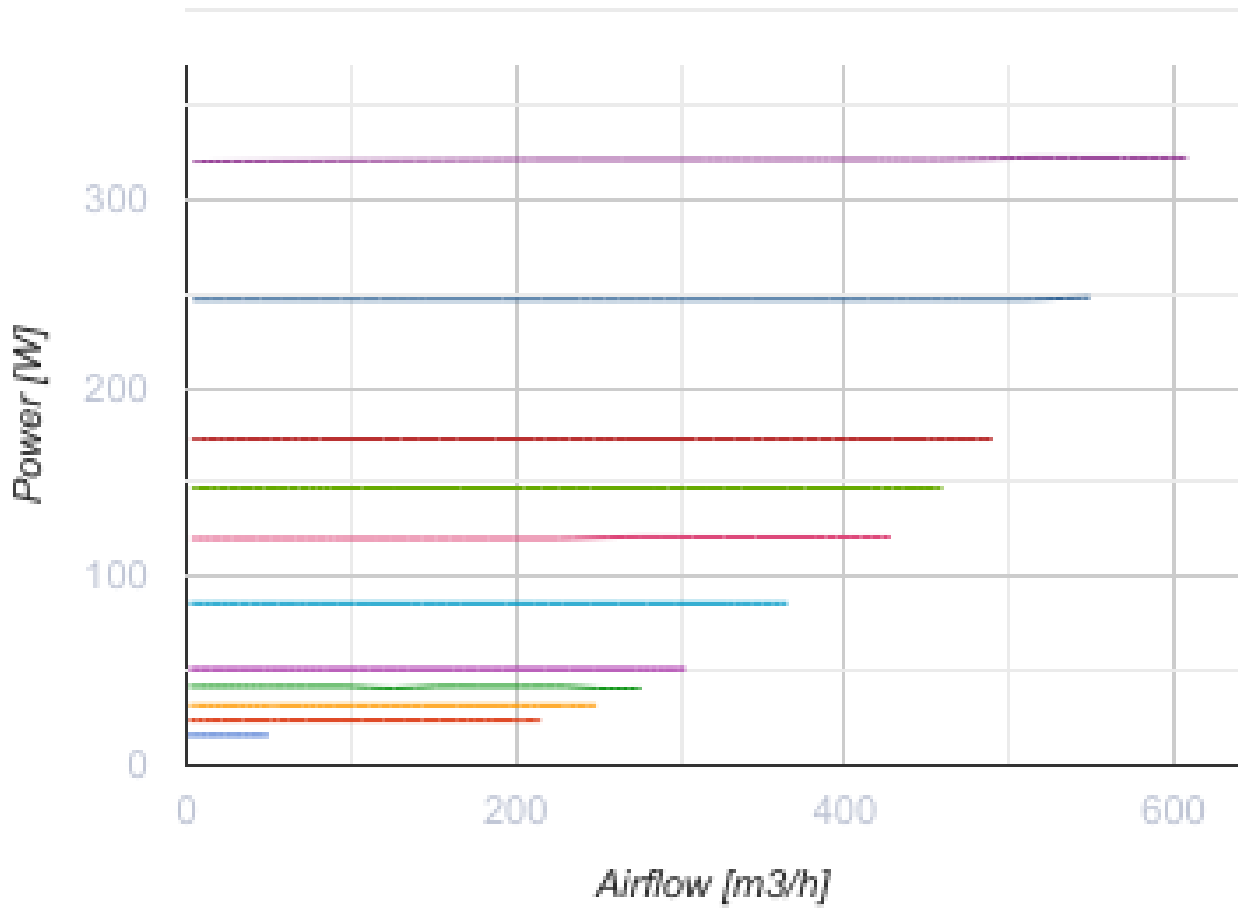
Ceiling mounted air handling units in compact heat- and sound-insulated casing with an electric heater

- Power of electrical reheater: 2000
- Maximum airflow: 608
- Sound pressure level LpA at 3 m: 30
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4 (F7 option)
- Sound insulation
- Motor type: EC
- 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	VUT 550 PBE EC L A21 DTV
Connected air duct size	mm	200
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	322
Power of electrical reheater	W	2000
Unit current	A	11.1
Maximum airflow	m ³ /h	608
Sound pressure level LpA at 3 m	dB(A)	30
Heat recovery efficiency, max	%	90
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	67
Extract filter	-	G4
Supply filter	-	G4 (F7 option)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25

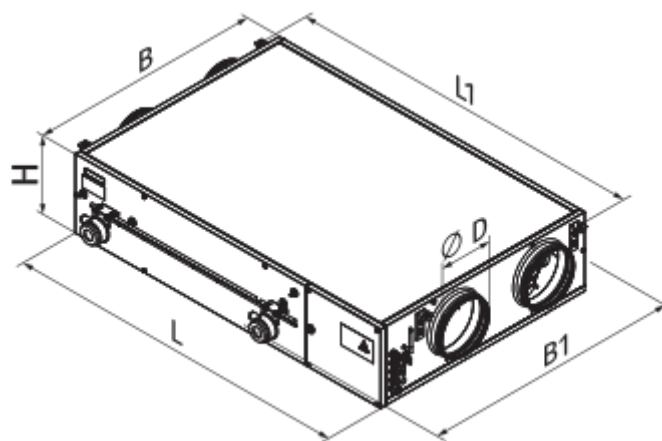
Ambient air temperature min	°C	1
Ambient air temperature max	°C	40
Ambient air humidity max	%	60
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44








Dimensions

$\varnothing D$	B	B1	H	L	L1
200	827	960	280	1238	1291








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

Condensation drainage



Name	Photo	Description
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SH-32		The hydraulic U-trap for condensate drainage from heat exchangers and coolers in ventilation and air conditioning systems
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For round ducts

Name	Photo	Description
SR 200/600		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SR 200/900		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SR 200/1200		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 200/600		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 200/900		Silencer is applied for noise absorption produced during the ventilating equipment operation and spread along the ducting systems
SRF 200/2000		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 200		Spring-loaded backdraft damper for round ducts
KRV 200		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

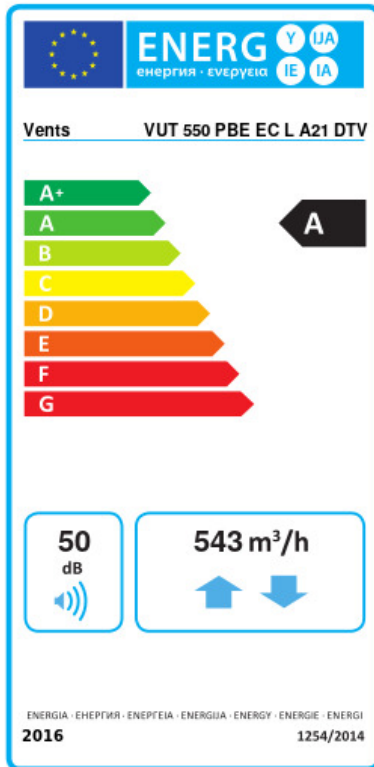
Name	Photo	Description
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SFK 392x236x27 G4		G4 pocket filter
SFK 392x236x27 F7		F7 pocket filter
SF 782x128x20 G4		Panel filter G4

Electrical heaters

Name	Photo	Description
NKP 200-2,0-1 A21 V.2		Heater for heat exchanger freeze protection
NKP 200-1,7-1 A21 V.2		Heater for heat exchanger freeze protection
NKP 200-1,2-1 A21 V.2		Heater for heat exchanger freeze protection

Ecodesign



Trademark	Vents					
Model	VUT 550 PBE EC L A21 DTV					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	78.2	A+	40.4	A	16.2	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	81					
Maximum flow rate (m ³ /h)	543					
Electric power input (W)	322					
Reference flow rate (m ³ /s)	0.106					
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	
	8817		4507		2038	