

# VUE 700 HB EC A21

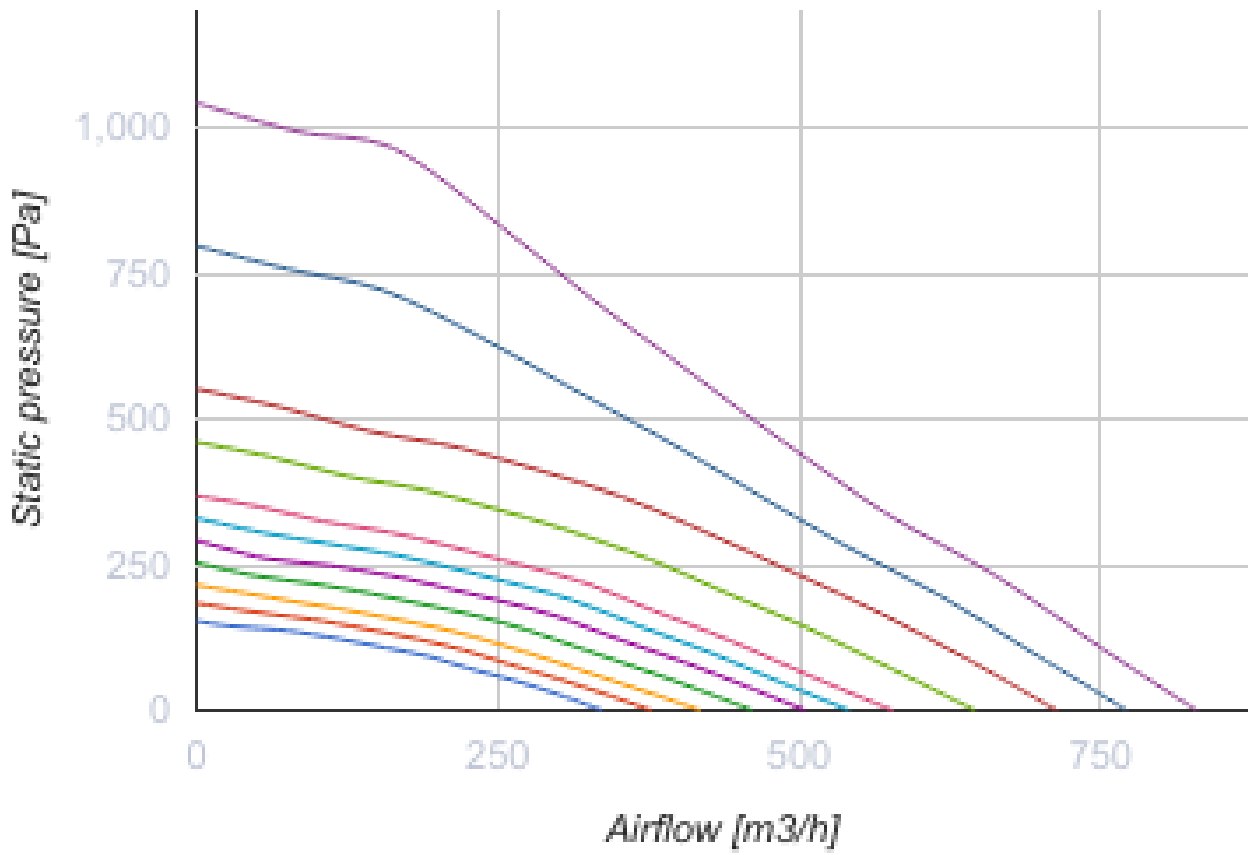


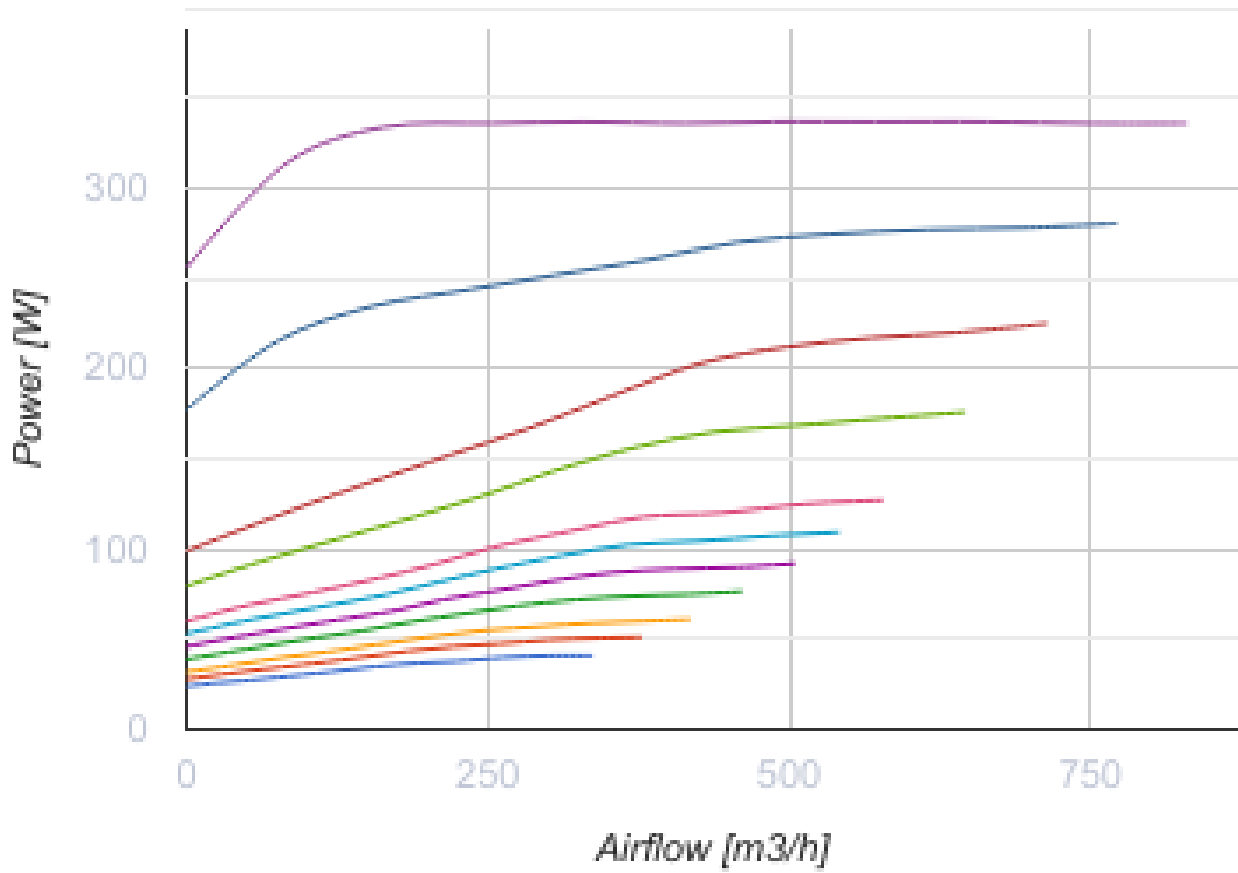
Horizontal air handling units with a counterflow polystyrene or enthalpy heat exchanger

- Maximum airflow: 830
- Sound pressure level LpA at 3 m: 31
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4+F7
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- 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 700 HB EC A21
Connected air duct size	mm	250
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	336
Unit current	A	2.4
Maximum airflow	m <sup>3</sup> /h	830
Sound pressure level LpA at 3 m	dB(A)	31
Heat recovery efficiency, max	%	89
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	107
Extract filter	-	G4
Supply filter	-	G4+F7
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	%	80
Ingress protection rating	-	IP22

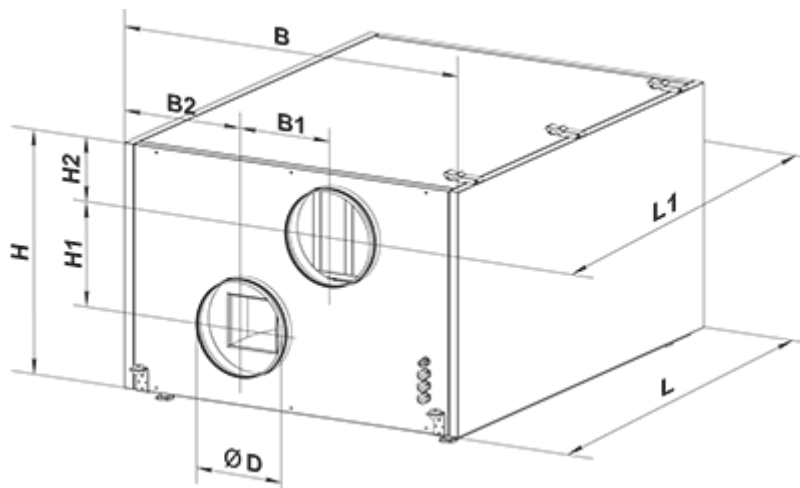
Ingress protection rating of the drive	-	IP44
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### Dimensions

ØD	B	B1	B2	H	H1	H2	L	L1
247	866	274	296	601	234	166	1282	1379







## Accessories





### Control Panels for AHU



Name	Photo	Description
<a href="#">A25</a>		Touch screen control panel for controlling industrial and residential air handling units
<a href="#">A22</a>		Control panels for controlling industrial and residential air handling units
<a href="#">A22 WiFi</a>		Control panels for controlling industrial and residential air handling units

### 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 humidistat

### Electrical heaters



Name	Photo	Description
<a href="#">NKD 250-1,2-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 250-2,0-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 250-3,0-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKP 250-1,2-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection

<a href="#">NKP 250-2,0-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKP 250-3,0-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection


### For round ducts

Name	Photo	Description
<a href="#">SR 250/600</a>		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
<a href="#">SR 250/900</a>		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
<a href="#">SR 250/1200</a>		Silencers made of galvanized steel filled with non-combustible sound-absorbing material



### For round ducts

Name	Photo	Description
<a href="#">KOM 250</a>		Backdraught damper with spring-loaded plates for shutting off air flow in round air ducts
<a href="#">KRV 250</a>		Air dampers for automatic air flow control in round ducts

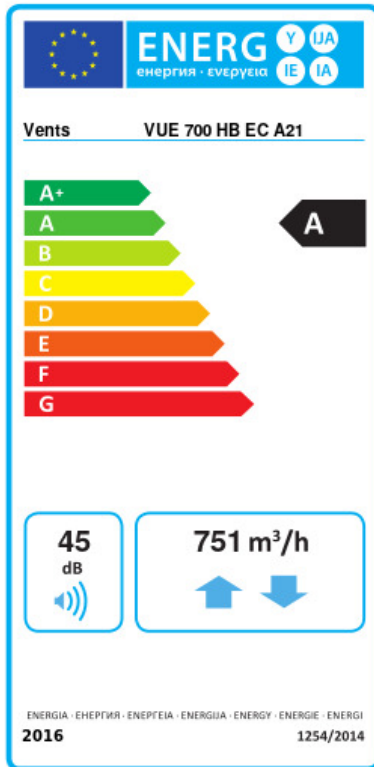
### Electric actuators

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
SF 784x253x48 G4		Panel filter G4
SF 784x253x48 F7		F7 panel filter

## Ecodesign



Trademark	Vents					
Model	VUE 700 HB EC A21					
Specific energy consumption (SEC) (kWh/(m <sup>2</sup> /a))	Cold		Average		Warm	
	-77.9	A+	-40.8	A	-16.9	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Recuperative					
Thermal efficiency of heat recovery (%)	78					
Maximum flow rate (m <sup>3</sup> /h)	751					
Electric power input (W)	336					
Reference flow rate (m <sup>3</sup> /s)	0.143					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m <sup>3</sup> /h))	0.243					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	45					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	710		173		128	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8695		4445		2010	