

VUT 300 HB EC A21

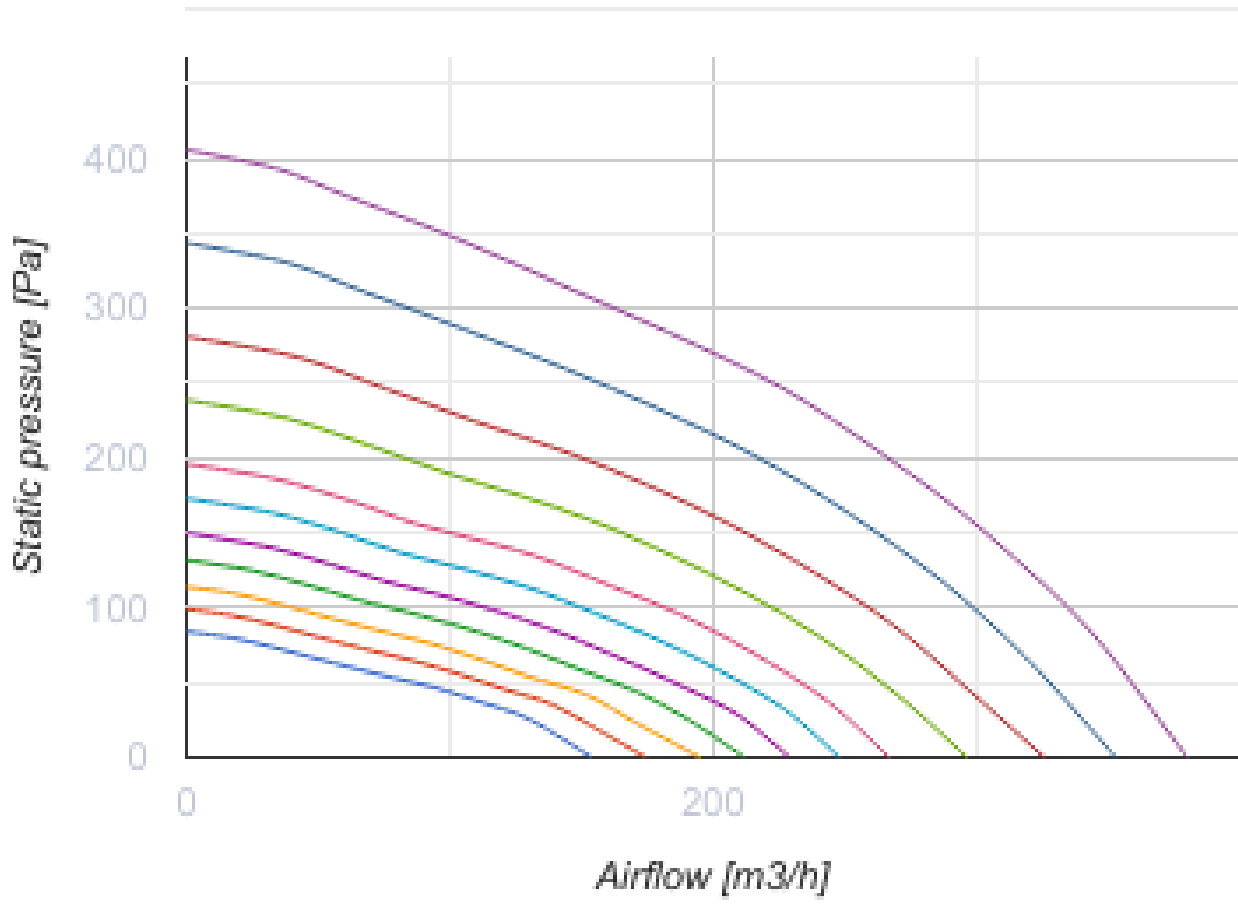


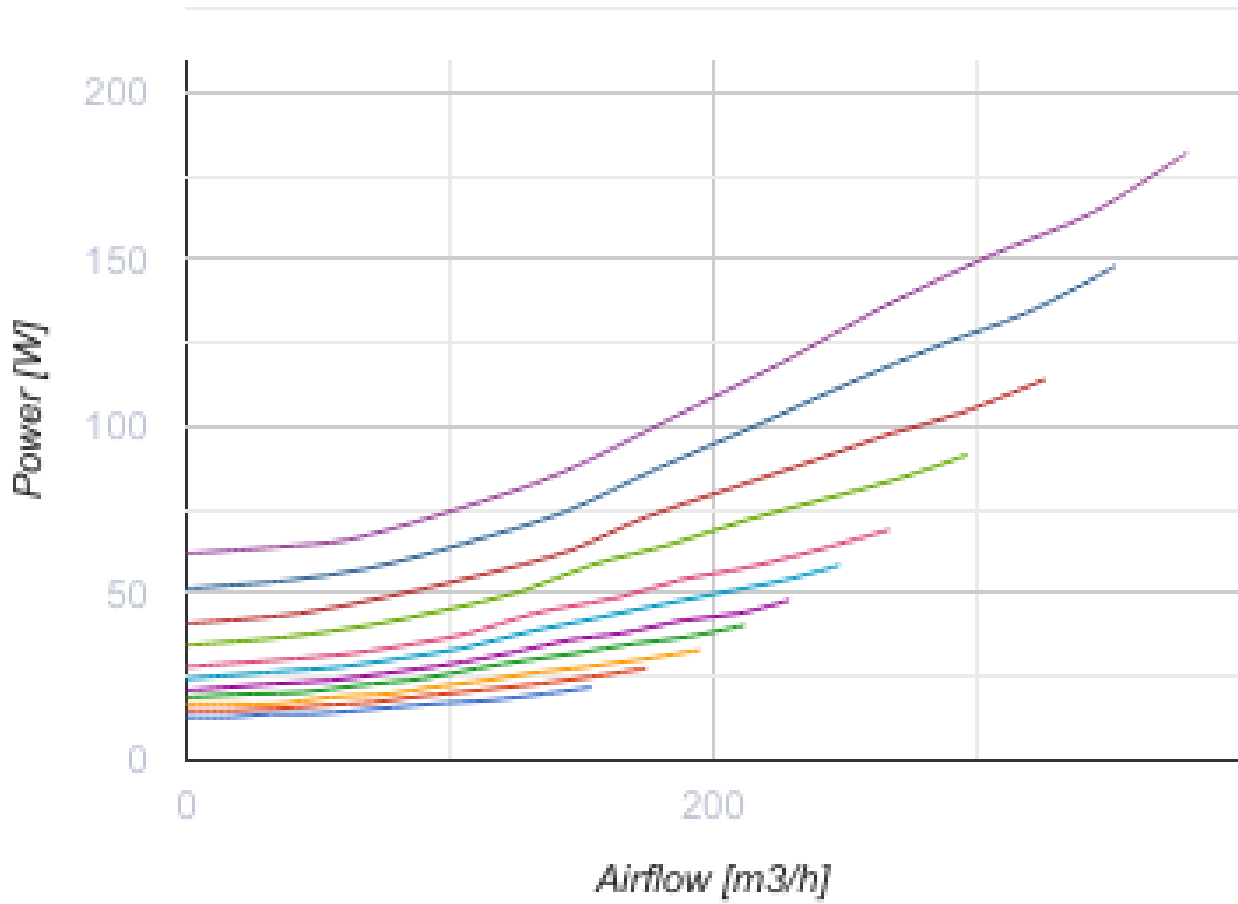
Horizontal air handling units with a counterflow polystyrene or enthalpy heat exchanger

- Maximum airflow: 380
- Sound pressure level LpA at 3 m: 24
- Heat exchanger type: Counter flow
- Extract filter: G4
- Supply filter: G4+F7
- Sound insulation
- Motor type: EC
- 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	VUT 300 HB EC A21
Connected air duct size	mm	160
Speed	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	182
Unit current	A	1.4
Maximum airflow	m ³ /h	380
Sound pressure level LpA at 3 m	dB(A)	24
Heat recovery efficiency, max	%	98
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Polystyrene
Weight	kg	63.1
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

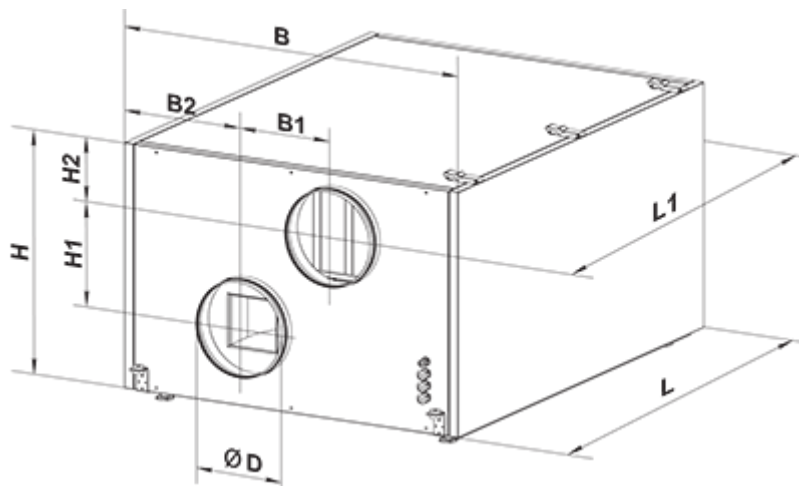
Ingress protection rating of the drive	-	IP44
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Dimensions

ØD	B	B1	B2	H	H1	H2	L	L1
157	568	190	189	479	193	118	1083	1180







Accessories





Control Panels for AHU





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

Electrical heaters



Name	Photo	Description
NKD 160-0,8-1 A21 V.2		Inline supply air reheaters with external control
NKD 160-1,2-1 A21 V.2		Inline supply air reheaters with external control
NKD 160-1,7-1 A21 V.2		Inline supply air reheaters with external control
NKD 160-2,0-1 A21 V.2		Inline supply air reheaters with external control

NKP 160-0,8-1 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
NKP 160-1,7-1 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


For round ducts

Name	Photo	Description
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

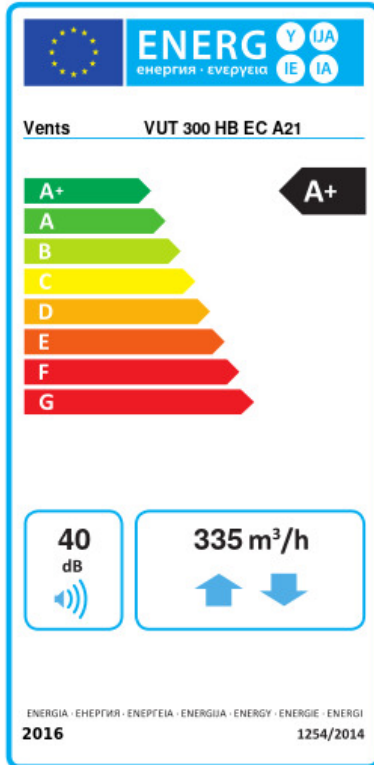
Name	Photo	Description
SF 484x178x48 G4		Panel filter G4

SF 484x178x48 F7



F7 panel filter

Ecodesign



Trademark		Vents			
Model	VUT 300 HB EC A21				
Specific energy consumption (SEC) (kWh/(m²/a))	Cold	Average		Warm	
	-81.3	A+	-42.4	A+	-17.4 E
Type of ventilation unit	Bidirectional				
Type of drive installed	Variable speed				
Type of heat recovery system	Recuperative				
Thermal efficiency of heat recovery (%)	87				
Maximum flow rate (m³/h)	335				
Electric power input (W)	155				
Reference flow rate (m³/s)	0.064				
Reference pressure difference (Pa)	50				
Specific power input (SPI) (W/(m³/h))	0.265				
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))	40				
The annual electricity consumption (AEC) (kWh/a)	Cold	Average		Warm	
	722	185		140	
The annual heating saved (AHS) (kWh/a)	Cold	Average		Warm	
	9060	4631		2094	