

VUTR 350 P2E EC R A21

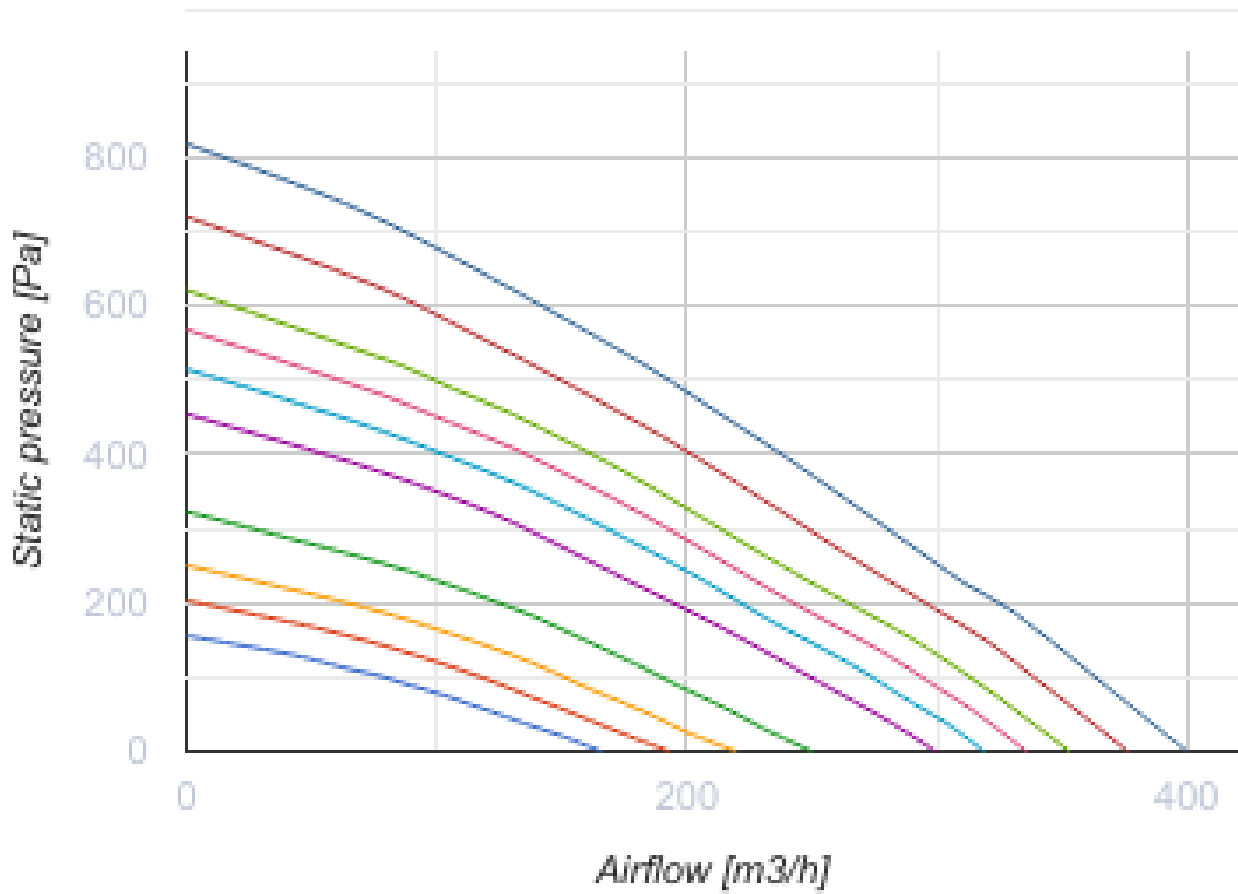


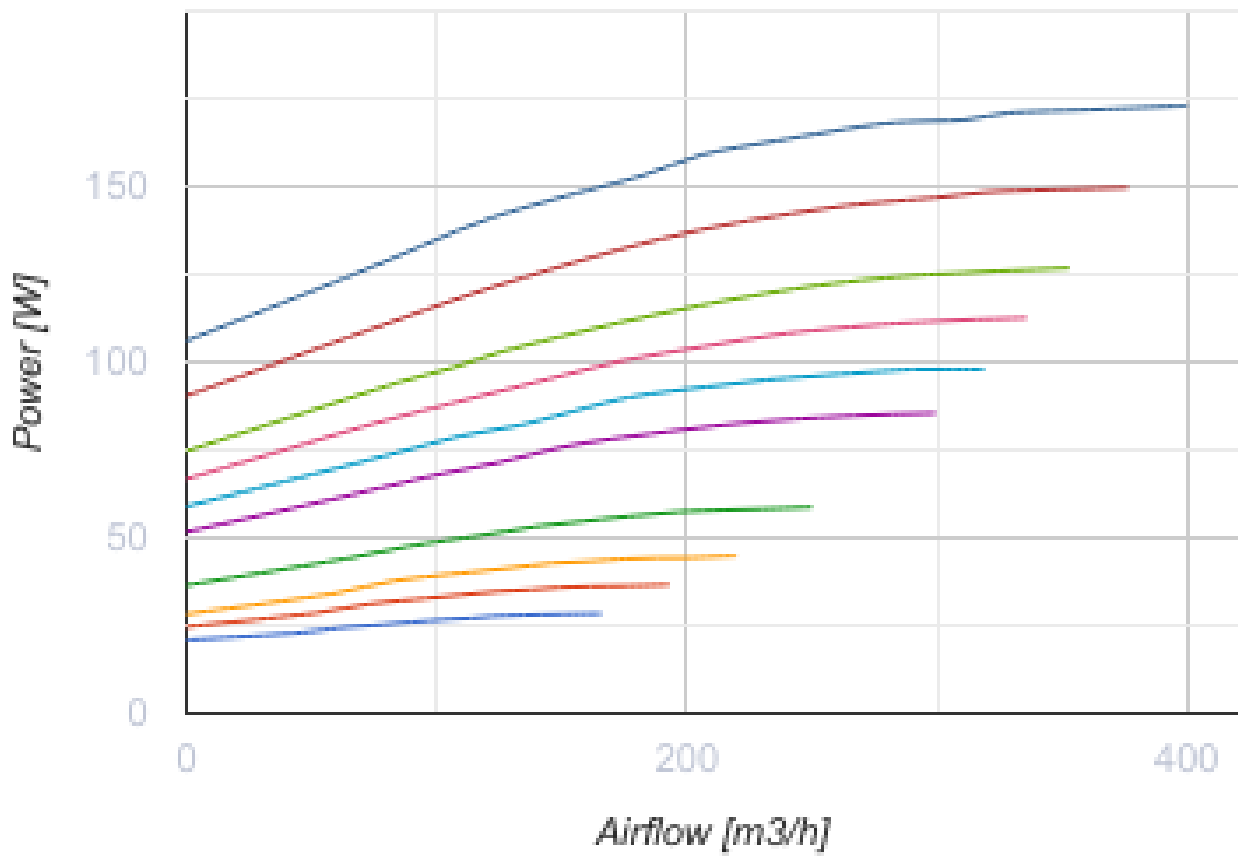
Air handling units in heat- and sound-insulated casing

- Power of electrical reheater: 1400
- Maximum airflow: 400
- Sound pressure level LpA at 3 m: 33
- Heat exchanger type: Rotary
- Extract filter: G4
- Supply filter: G4, F7 (H13 option)
- Sound insulation
- Motor type: EC
- Reheater: Electric
- 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	VUTR 350 P2E EC R 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	200
Power of electrical reheater	W	1400
Unit current	A	6.9
Maximum airflow	m ³ /h	400
Sound pressure level LpA at 3 m	dB(A)	33
Heat recovery efficiency, max	%	87
Heat exchanger type	-	Rotary
Heat exchanger material	-	Aluminum
Weight	kg	79
Extract filter	-	G4
Supply filter	-	G4, F7 (H13 option)
Transported air temperature (max)	°C	40
Transported air temperature (min)	°C	-25
Ambient air temperature min	°C	1

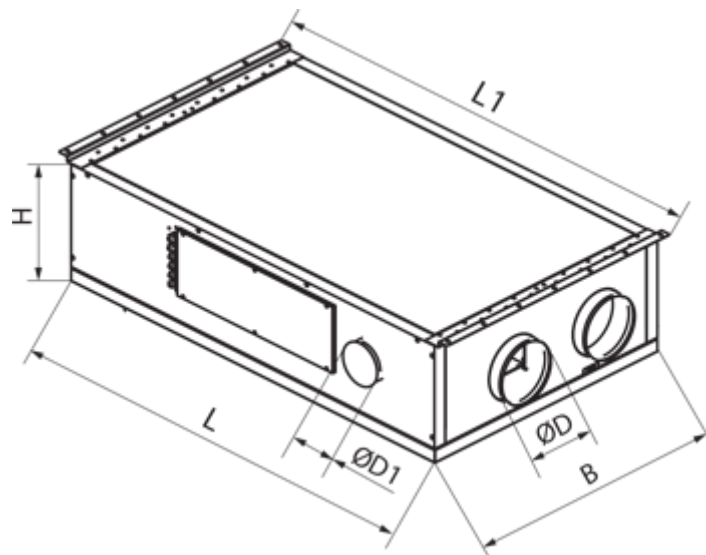
Ambient air temperature max	°C	40
Ambient air humidity max	%	80
Ingress protection rating	-	IP22
Ingress protection rating of the drive	-	IP44





Dimensions

ØD	ØD1	B	H	L	L1
160	125	847	245	1362	1457





Accessories



Control Panels for AHU

Name	Photo	Description
A25		The control panel with a sensor display



Other accessories

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.


Sensors

Name	Photo	Description
HR-S		Electro-mechanical humidistats
HV2		Humidity sensor

For round ducts

Name	Photo	Description
KOM_160		Spring-loaded backdraft damper for round ducts
KRV_160		Air damper for air flow cut-off in round air 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

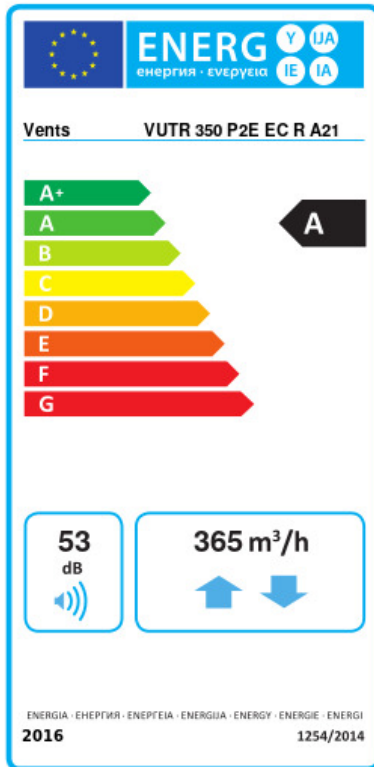
Name	Photo	Description
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SF 372x180x48 G4		Panel filter G4
SF 372x180x48 F7		F7 panel filter

Flanges

Name	Photo	Description
KH-1		The kitchen exhaust hood is designed to clean air from combustion products, fumes, odors that form during cooking in the kitchen

Ecodesign



Trademark	Vents					
Model	VUTR 350 P2E EC R A21					
Specific energy consumption (SEC) (kWh/(m ² /a))	Cold		Average		Warm	
	81.7	A+	39.6	A	15.4	E
Type of ventilation unit	Bidirectional					
Type of drive installed	Variable speed					
Type of heat recovery system	Regenerative					
Thermal efficiency of heat recovery (%)	76					
Maximum flow rate (m ³ /h)	365					
Electric power input (W)	173					
Reference flow rate (m ³ /s)	0.081					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m ³ /h))	0.338					
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))	53					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	179		179		179	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8614		4403		1991	