

# Enave-T 351 V R A21

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



- Maximum airflow: 410
- Sound pressure level LpA at 3 m: 26
- Heat exchanger type: Counter flow
- Extract filter: Coarse > 60 %
- Supply filter: Coarse > 60 % (option ePM1 60 %)
- Sound insulation
- Motor type: EC
- Enthalpy heat exchanger
- Bypass: Auto
- Reheater: Optional
- Preheater: Optional
- BMS protocol: ModBus
- Control: Smartphone
- Casing material: EPP
- Humidity sensor: Optional
- CO2 sensor: Optional
- VOC sensor: Optional
- PM2.5 sensor: Optional

	Unit of measurement	Enave-T 351 V R A21
Connected air duct size	mm	160
Speed	-	1
Phases	-	1
Minimum supply voltage	V	230
Maximum supply voltage	V	230
Power supply frequency	Hz	50/60
Rated power	W	213
Unit current	A	1.62
Maximum airflow	m <sup>3</sup> /h	410
Sound pressure level LpA at 3 m	dB(A)	26
Heat recovery efficiency, max	%	83
Heat exchanger type	-	Counter flow
Heat exchanger material	-	Enthalpy
Weight	kg	26
Extract filter	-	Coarse > 60 %
Supply filter	-	Coarse > 60 % (option ePM1 60 %)
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

<b>Ø D</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>L1</b>	<b>W</b>	<b>W1</b>
160	880	939	616	230	770	355



## Accessories




### Other accessories

Name	Photo	Description
SF 496x150x60 Coarse 90% G4		Panel filter G4
SF 496x150x60 ePM1 65% F7		F7 panel filter





### Flanges

Name	Photo	Description
<a href="#">PD-Enave 351 V</a>		Decorative panel

### 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="#">CO2-3</a>		CO2 sensor
<a href="#">CO2-1</a>		CO2 sensors
<a href="#">CO2-2</a>		CO2 sensors

<a href="#">HR-S</a>		Electro-mechanical humidistat
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### Electrical heaters

Name	Photo	Description
<a href="#">NKP 160-0,8-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKP 160-1,2-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKP 160-1,7-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKP 160-2,0-1 A21 V.2</a>		Inline heaters for heat exchanger frost protection
<a href="#">NKD 160-0,8-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 160-1,2-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 160-1,7-1 A21 V.2</a>		Inline supply air reheaters with external control
<a href="#">NKD 160-2,0-1 A21 V.2</a>		Inline supply air reheaters with external control

### For round ducts

Name	Photo	Description
<a href="#">SR 160/600</a>		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
<a href="#">SR 160/900</a>		Silencers made of galvanized steel filled with non-combustible sound-absorbing material
<a href="#">SR 160/1200</a>		Silencers made of galvanized steel filled with non-combustible sound-absorbing material


### For round ducts

Name	Photo	Description
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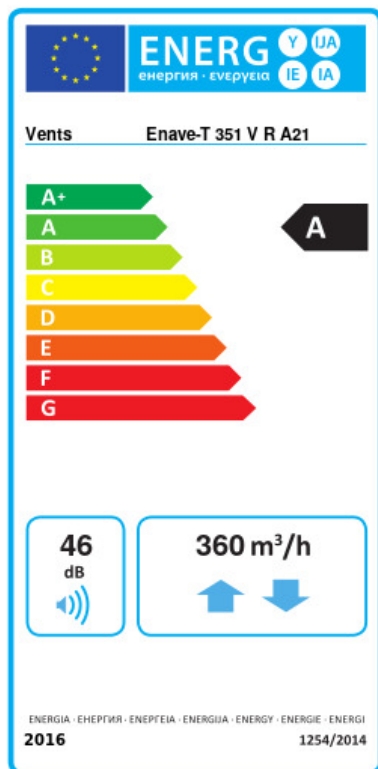
[KRV 160](#)


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

## Ecodesign



Trademark	Vents					
Model	Enave-T 351 V R A21					
Specific energy consumption (SEC) (kWh/(m²/a))	Cold		Average		Warm	
	78.9	A+	41.2	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 (%)	81					
Maximum flow rate (m³/h)	360					
Electric power input (W)	213					
Reference flow rate (m³/s)	0.071					
Reference pressure difference (Pa)	50					
Specific power input (SPI) (W/(m³/h))	0.26					
Control typology	Local demand control					
Maximum internal leakage rates (%)	2.7					
Maximum external leakage rates (%)	2.7					
Sound power level (dB(A))	46					
Declared typology	RVU BVU					
The annual electricity consumption (AEC) (kWh/a)	Cold		Average		Warm	
	720		183		138	
The annual heating saved (AHS) (kWh/a)	Cold		Average		Warm	
	8817		4507		2038	