

Series
VENTS ENAVE 350 V



Heat recovery air handling units in sound- and heat-insulated casings.
Air flow up to **410 m³/h**.
Heat recovery efficiency up to **92 %**

■ **Description**

The air handling units are the fully featured ventilation units with heat recovery for air filtration, fresh air supply and stale air extraction. The units offer energy-efficient ventilation for small appartments.

■ **Casing**

The casing is made of expanded polypropylene (EPP) possessing high heat- and sound-insulating properties.

Enave 350 V L – left-handed version.

Enave 350 V R – right-handed version.

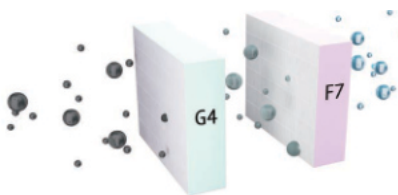
Units Enave 351 / 351 V

have flat service hatch design, suitable for decorative panel installation (delivered se



■ **Filter**

Two built-in **Coarse 90% (G4)** filters provide efficient air filtration. **ePM1 65% (F7)** supply filter can be installed as an option.

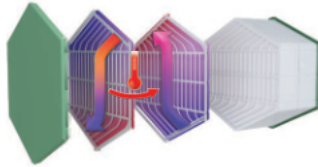


■ **Fans**

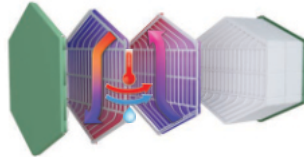
Units' fans are equipped with electronically commutated motors.

■ **Heat Exchanger**

Enave units are equipped with a counter-flow polystyrene heat exchanger.



Enave-T units are equipped with an enthalpy heat exchanger.



■ **Bypass**

Units are equipped with a bypass for summer cooling.

■ **Automation**

Enave V A21 units are equipped with a built-in automation system. The **A21** controller allows to integrate the unit into the **Smart Home system** or **BMS (Building Management System)**. To control the unit via Wi-Fi, download the **Vents Home** smartphone app.

Enave V A14 units have an integrated control system with a wall-mounted control panel equipped with LED indication.



Google play



Download on the App Store



■ **Frost protection**

For **Enave V** units the frost protection is implemented by shutting down the supply fan regularly. Optional duct pre-heater is available for units with A21 control system.

■ **Mounting**

The unit is designed for wall and floor mounting. The mounting position of the unit must provide service access for maintenance and repair.

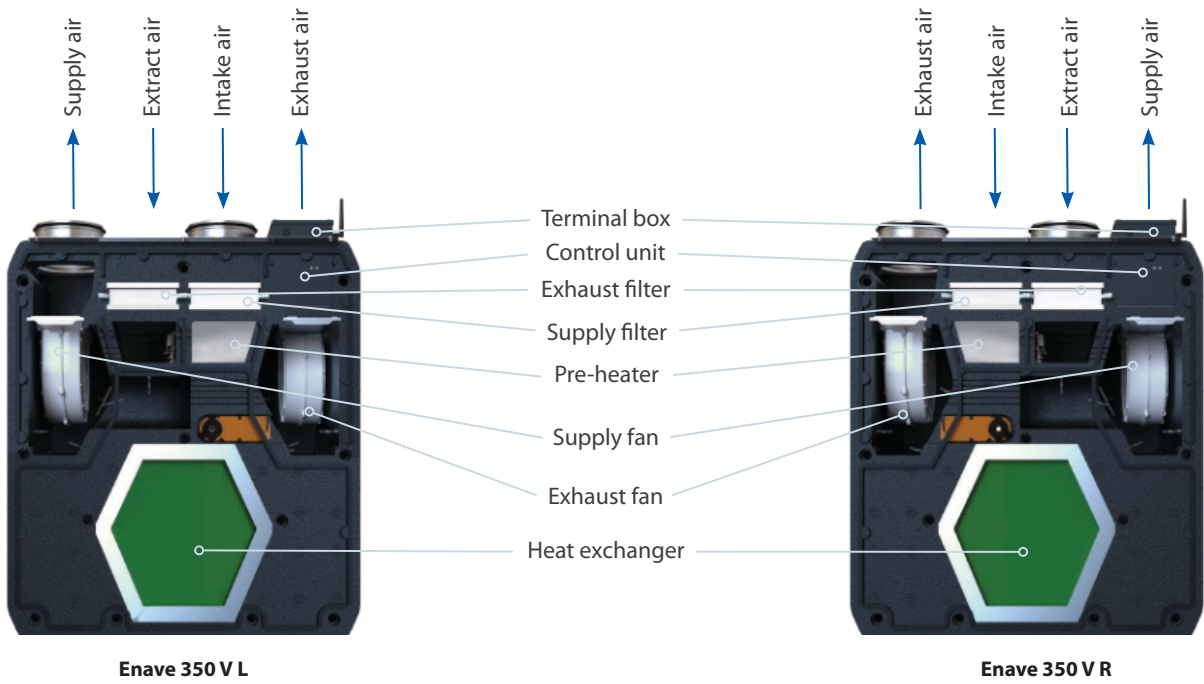
■ **Control and automation**

Functions	A21	A14
Wired remote control pane	A22 (option) 	A14
Control via a wired remote LCD control panel	A25 (option) 	-
Wireless remote control panel	A22 Wi-Fi (option) 	-
BMS	ModBus RTU (RS-485) ModBus TCP/IP (Wi-Fi, Ethernet)	-
Vents Cloud Server service	+	-
Control via Wi-Fi using a smartphone app	+	-
Frost protection	+	+
Bypass	Auto, manual	Manual
Week-scheduled operation	+	-
Filter replacement indication	Filter timer	+
Alarm indication	+	+
Speed selection	+	+
Timer	+	-
RH% sensor	Option	Option
CO ₂ sensor	Option	Option
VOC sensor	Option	Option
PM2.5 sensor	Option	Option
Boost mode	+	-
Fireplace mode	+	-
Preheater connection	+	-
Reheater connection	+	-
Cooler connection	+	-
Fire alarm sensor connection	+	+
Minimum supply air temperature control	+	-

■ **Designation key**

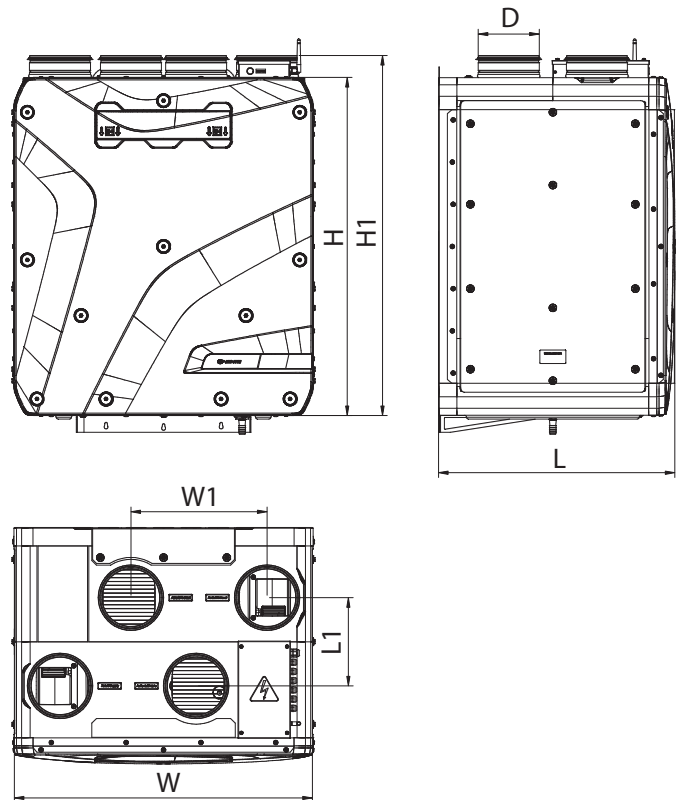
TM	Model	Heat exchanger type	Nominal size	Modification	Casing type	Heater	Control system	Version
VENTS	Enave	_ – heat recovery T – energy recovery	Air flow m ³ /h / 10	0 – standard 1 – flat service hatch suitable for decorative panel installation	V – vertical	_ – w/o heater E – integrated pre-heater	A21, A14	L – left R – right

Unit design



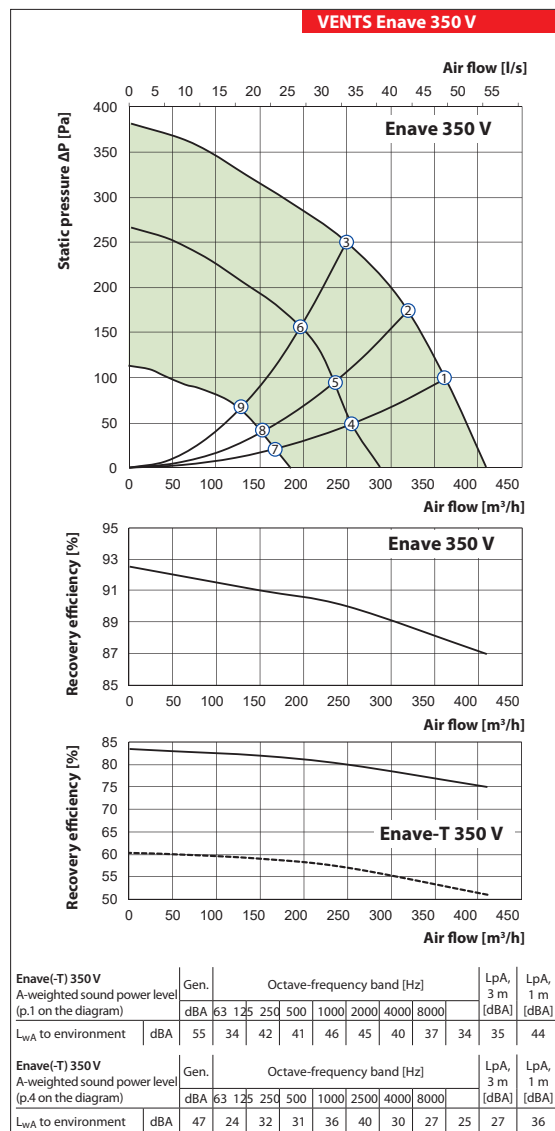
Overall dimensions

Model	Dimensions [mm]						
	H	W	L	H1	W1	L1	ØD
Vents Enave 350 V	880	770	616	939	355	230	160














Technical data

	Vents Enave 350 V	Vents Enave-T 350 V	Vents Enave 350 VE	Vents Enave-T 350 VE
Voltage [V / 50-60 Hz]			230	
Max. unit power without electric heater [W]			210	
Integrated electric heater power [W]		-		1500
Max. unit power [W]	210			1260
Max. unit current without electric heater [A]			1.54	
Integrated electric heater current [A]		-		4.66
Max. unit current [A]	1.54			6.2
Max air flow [m³/h]			410	
Sound pressure level at 3 m distance [dBA]			27	
Max. operating temperature [°C]			-25...+40	
Case material			EPP	
Insulation [mm]			45	
Extract filter			Coarse > 60 %	
Supply filters			Coarse > 60 % (option ePM1 60 %)	
Connected air duct diameter [mm]			160	
Weight [kg]			26	
Heat recovery efficiency [%]	92	83	92	83
Heat exchanger type		Counter-flow		
Heat exchanger material	Polystyrene	Enthalpy	Polystyrene	Enthalpy
SEC class	A+	A	A+	A



Accessories for air handling units

	Filter G4	Filter F7	Decorative panel	Control panel	Control panel	Wi-Fi Control panel	Internal humidity sensor	Internal CO2 sensor
								
Enave 350 V A21	SF 496x150x60 Coarse 90% G4	SF 496x150x60 ePM1 65% F7	-	A25	A22	A22 Wi-Fi	HV2	CO2-3
Enave-T 350 V A21								
Enave 350 VE A21								
Enave-T 350 VE A21			PD-Enave 351 V					
Enave 351 V A21								
Enave-T 351 V A21								
Enave 351 VE A21			-	-	-			
Enave-T 351 VE A21								
Enave 350 V A14								
Enave-T 350 V A14			PD-Enave 351 V					
Enave 351 V A14								
Enave-T 351 V A14								

	External CO2 sensor with indication	External CO2 sensor	External humidity sensor	Electrical preheater	Electrical reheater	Syphon kit	Silencer	Air damper	Electric actuator
									
Enave 350 V A21	CO2-1	CO2-2	HR-S	NKP 160 A21 V.2	NKD 160 A21 V.2	SH-32	SR 160	KRV 160	TF 230
Enave-T 350 V A21									
Enave 350 VE A21									
Enave-T 350 VE A21				-	-				
Enave 351 V A21									
Enave-T 351 V A21									
Enave 351 VE A21				-	-				
Enave-T 351 VE A21									
Enave 350 V A14									
Enave-T 350 V A14				-	-				
Enave 351 V A14									
Enave-T 351 V A14									