

ERV EC L 150

Energy Recovery Ventilator

ERV EC L 150 are the complete whole house ventilation system designed to bring a continuous supply of fresh air into the house while exhausting an equal amount of stale air. Five year warranty.



Casing

- Steel casing is covered with high-quality multilayer aluminium and zinc alloy to prevent corrosion. The casing is equipped with a switch to turn the ventilator off when the service panel is opened.
- ERV EC L 150 L – left-handed version.
- ERV EC L 150 R – right-handed version.

Air Filtration

- Washable MERV 6 air filters in exhaust and supply air streams. Optional: MERV 13 supply filter.

Energy Recovery Core

- Enthalpy counterflow heat exchanger provides both heat and humidity recovery.



Fans

- Efficient electronically commutated motors with external rotor. EC motors are featured with high performance and total speed controllable range. The electric motors and impellers are dynamically balanced.

Defrost System

- Supply fan stop.

Manual Balancing

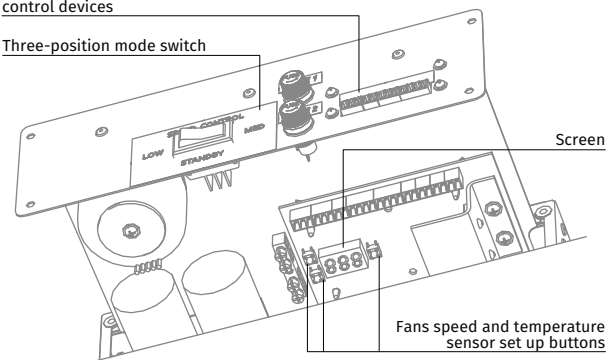
- Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0 % – 100 %).

Control System

- Operation mode switch.
 - Airflow balancing enabled by supply and exhaust fan independent speed adjustment from 0 to 100% (percentage is displayed on built in screen).
 - Automatic recovery core frost protection.
 - External control device connection (up to 5 at the same time).

Terminals to connect external control devices

Three-position mode switch

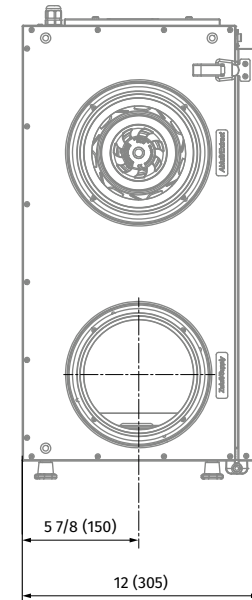
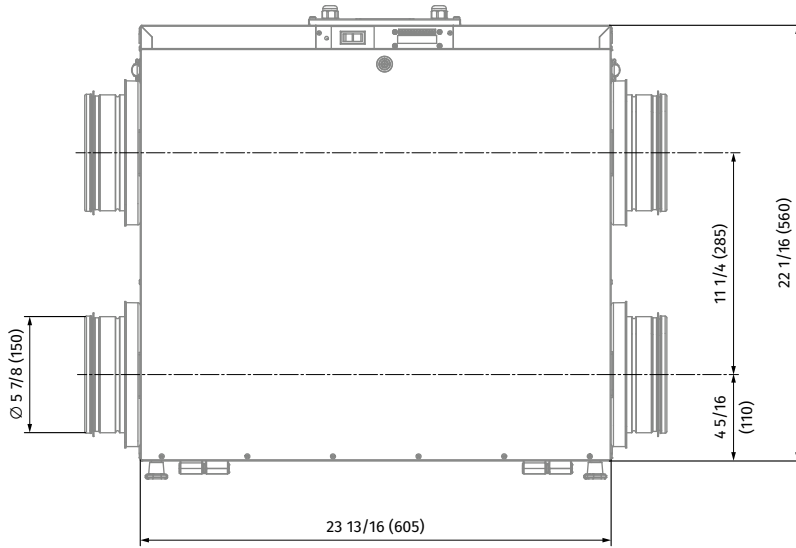


Suitable for

- Bathroom / kitchen / apartments / cottages / small offices.

MODEL	QUANTITY	COMMENTS	PROJECT
			location:
			architect:
			engineer:
			contractor:
			submitted by:

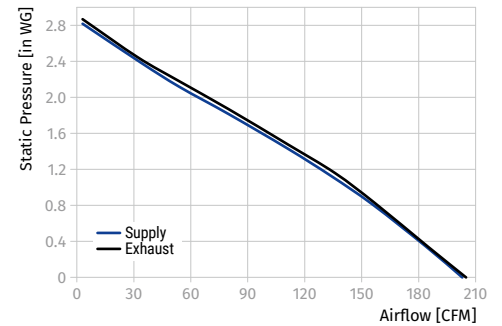
Dimensions [in (mm)]



Technical Data

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power [W]
Pa	in WG	l/s	CFM	Supply		Exhaust		
				l/s	CFM	l/s	CFM	
0	0	93	198	96	204	96	205	175.4
100	0.4	82	175	85	180	85	180	175.4
200	0.8	72	152	74	157	74	158	175.4
275	1.1	61	130	63	134	64	136	175.4
350	1.4	51	108	52	111	53	112	175.4
450	1.8	37	78	38	80	38	80	175.3
525	2.1	25	53	26	55	25	54	175.3
600	2.4	15	33	16	34	15	32	175.3
700	2.8	1	3	1	3	1	3	175.4

Note: fan curve performed on high speed



Energy Performance

		Supply Temperature		Net Airflow		Average Power [W]	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Net Moisture Transfer	CFM / W
		°C	°F	l/s	CFM					
Heating	I	0	32	29	62	17	76	78	0.70	3.63
	II	0	32	56	119	64	69	73	0.63	1.86
	III	0	32	84	179	176	63	69	0.58	1.02
	IV	-25	-13	28	60	44	61	63	0.71	1.35
Cooling	V	35	95	29	62	18	69*	72	0.80	3.43

* Indicates total recovery efficiency, not sensible recovery efficiency
250 Pa = 1 in of water: 0.47 l/s = 1 CFM

Model	Volts	Max. Watts	Max. Amps
ERV EC L 150	120 V, 60 Hz	175	2.4