

HRV EC L 150

Heat Recovery Ventilator

HRV 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.
- HRV EC L 150 L – left-handed version.
- HRV 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.

Heat Recovery Core

- Counterflow heat exchanger provides heat 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

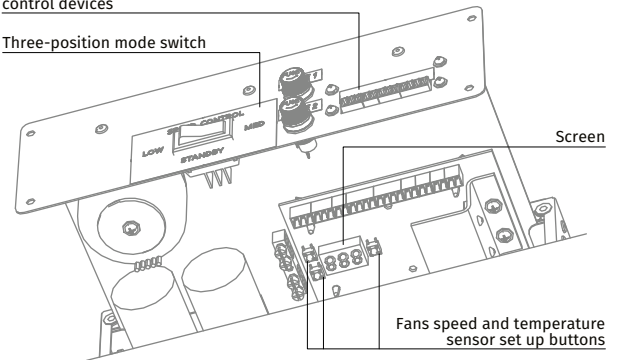
- Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0 % – 100 %).

Control System

- Integrated control system with following functions:
 - 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

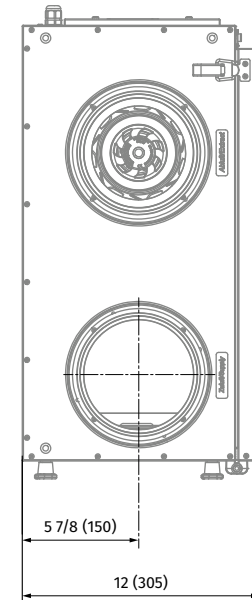
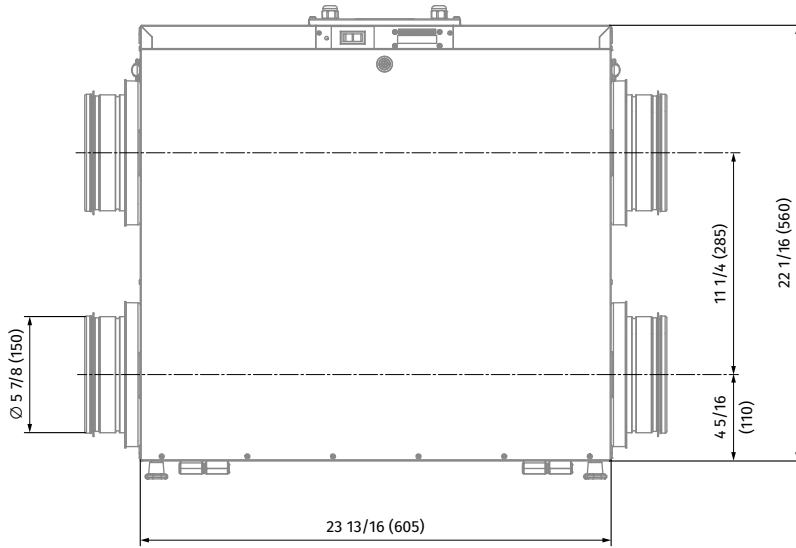


Suitable for

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

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

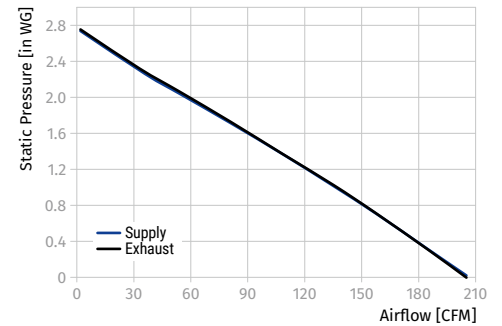
Dimensions [in (mm)]



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	94	200	97	206	97	206	174.9
100	0.4	82	174	84	179	84	179	174.9
175	0.7	72	154	74	158	74	158	174.9
250	1	62	131	64	135	64	135	175.0
325	1.3	50	106	51	109	51	109	175.0
425	1.7	37	79	38	82	38	81	175.0
500	2	25	54	26	55	25	54	175.0
575	2.3	17	35	17	37	16	33	175.0
675	2.7	1	2	1	2	1	2	174.9

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	30	64	24	76	78	0.00	2.66
	II	0	32	54	115	63	72	76	0.00	1.82
	III	0	32	91	194	174	69	75	0.00	1.11
	IV	-25	-13	29	62	47	73	76	0.00	1.31
Cooling	V	35	95	30	64	18	71*	74	0.00	3.55

* 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
HRV EC L 150	120 V, 60 Hz	175	2.4