

ERV EC D 130

Energy Recovery Ventilator

ERV EC D 130 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 D 130 L** – left-handed version.
- ERV EC D 130 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

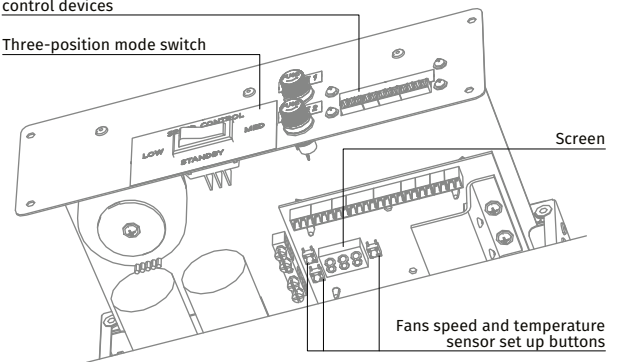
- Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0 % – 100 %).

Control System

- 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

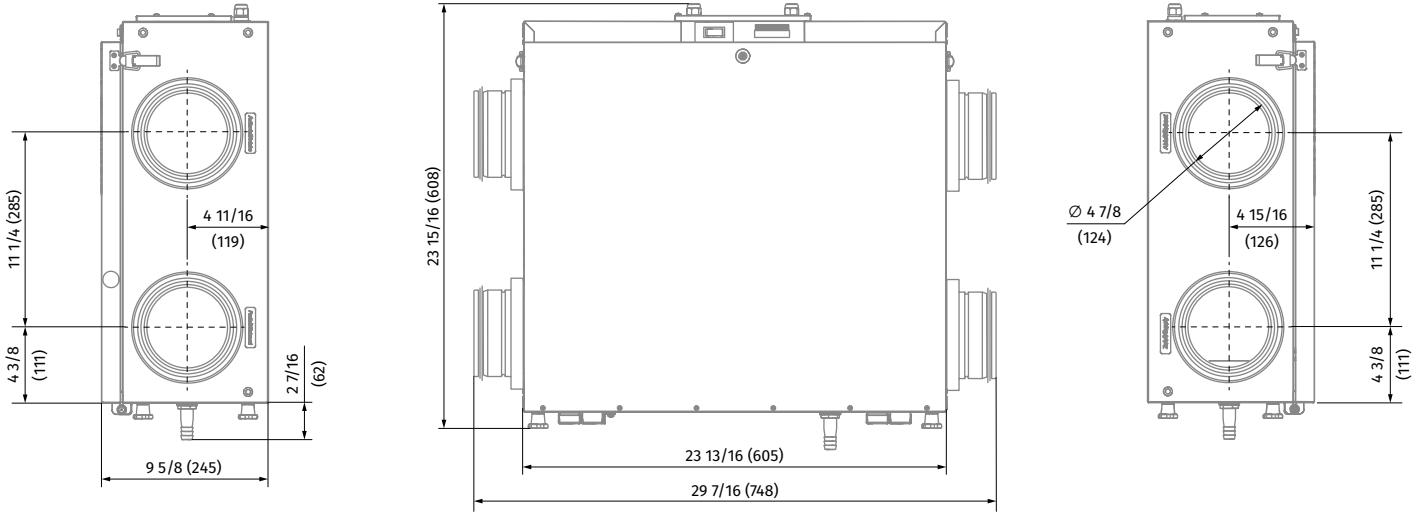


Suitable for

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

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

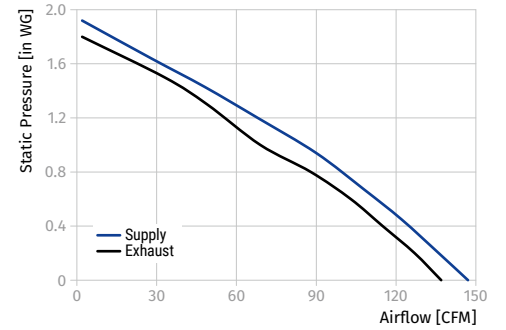
Dimensions [in (mm)]



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	0.0	67	142	69	147	65	138	118.2
50	0.2	62	132	64	136	60	128	118.2
125	0.5	55	118	57	121	54	115	118.2
175	0.7	49	105	51	109	49	104	118.2
225	0.9	41	87	42	89	42	89	118.2
300	1.2	31	66	32	68	33	70	118.2
350	1.4	22	47	23	49	23	49	118.2
400	1.6	13	27	13	28	16	34	118.2
475	1.9	1	2	1	2	1	2	118.2

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	III	0	32	25.1	53	21.6	76	78	0.77	2.47
	IV	-25	-13	26.3	56	28.5	66	68	0.74	1.96
Cooling	V	35	95	25.1	53	21.7	74*	77	0.79	2.46

* 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 D 130	120 V, 60 Hz	118.2	1.5