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** – left-handed version.
- **ERV EC D 130 M** – right-handed version.

Air Filtration

- Washable MERV 5 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

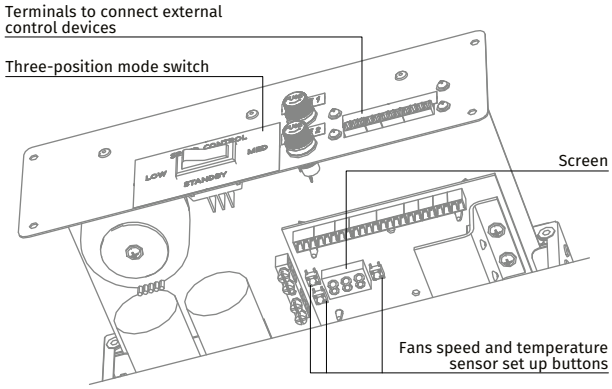
- Supply fan stop.

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).

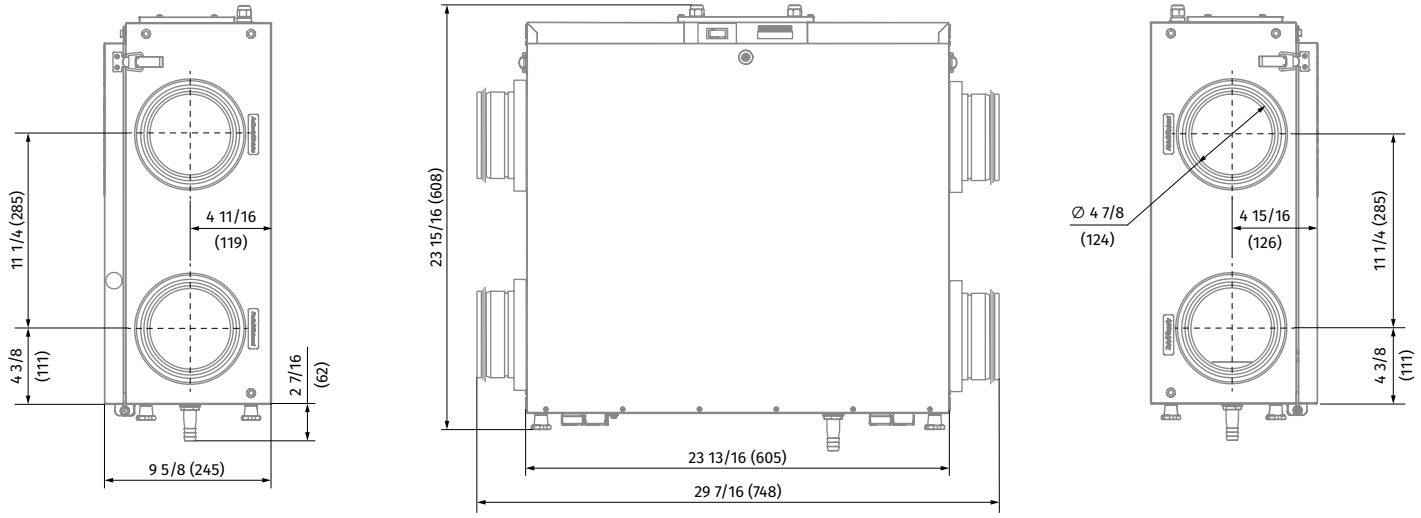


Suitable for

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

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

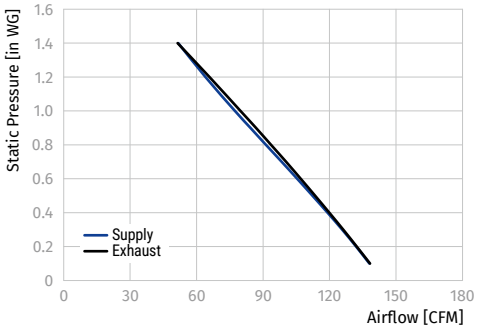
Dimensions [in (mm)]



Technical Data

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power [W]
				Supply		Exhaust		
Pa	in WG	l/s	CFM	l/s	CFM	l/s	CFM	
0*	0*	66*	140*	66*	140*	68*	144*	113*
25	0.1	64	136	65	138	65	138	113
50	0.2	61	130	62	132	62	132	113
75	0.3	58	124	59	125	59	126	113
100	0.4	55	118	56	119	56	119	113
125	0.5	52	111	53	112	53	113	113
150	0.6	49	104	49	105	50	107	113
175	0.7	46	97	46	98	47	100	113
200	0.8	42	90	43	91	44	93	113
225	0.9	39	83	39	84	41	86	113
250	1.0	36	76	36	77	37	79	113
300	1.2	29	63	30	64	31	65	113
350	1.4	24	51	24	51	24	51	113

* Not HVi-certified



Energy Performance

		Supply Temperature		Net Airflow		Watts	SRE	ASRE	Moisture Transfer	TRE**	ATRE**	Fan Efficacy [CFM / W]
		°C	°F	L/s	cfm							
HEATING	I	0	32	14	30	16	86	90	0.79	14	86	1.8
	II	0	32	23	50	24	80	83	0.7	23	80	2.1
	III	0	32	42	90	51	72	76	0.6	42	72	1.7
	IV	0	32	51	110	77	69	74	0.57			1.4
	V	-25	-13	24	50	23	56	57	0.48			-
COOLING	VI	35	95	23	50	25			0.71	71	73	-

** Indicates total recovery efficiency, not sensible recovery efficiency