ERV EC SR 200

Energy Recovery Ventilator

ERV EC SR 200 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 SR 200 L** – standard version.
- **ERV EC SR 200 R** – mirrored version.

Air Filtration

- Washable MERV 8 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

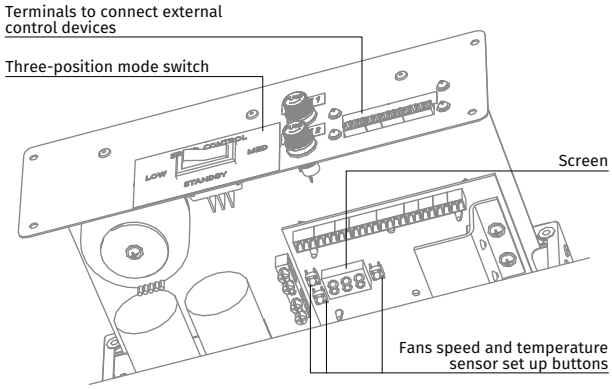
- Recirculation defrost.

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).

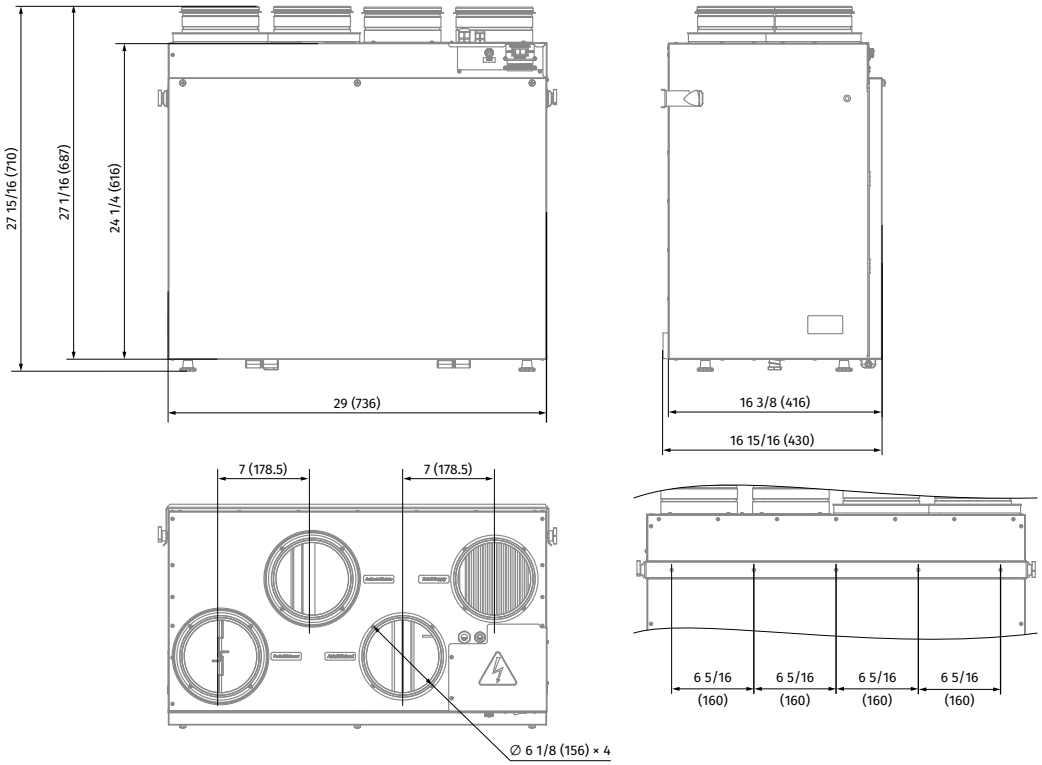


Suitable for

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

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

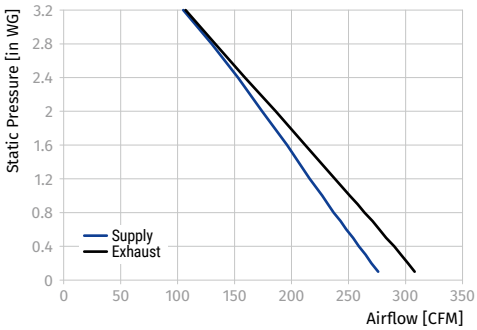
Dimensions [in (mm)]



Technical Data

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power
				Supply		Exhaust		
Pa	inch WG	l/s	CFM	l/s	CFM	l/s	CFM	Watts
25	0.1	127	269	130	276	145	308	359
50	0.2	124	264	127	270	142	302	359
75	0.3	122	258	125	265	139	296	359
100	0.4	119	253	122	259	136	290	359
125	0.5	117	247	119	254	133	283	359
150	0.6	114	242	117	248	130	277	359
175	0.7	112	237	114	243	127	271	359
200	0.8	109	232	112	237	124	264	359
225	0.9	107	227	109	232	121	258	359
250	1.0	104	221	107	227	118	251	359
300	1.2	99	211	102	216	112	238	360
400	1.6	90	191	92	196	100	212	359
500	2.0	80	170	82	174	87	186	360
600	2.4	70	149	72	153	75	159	360
700	2.8	59	126	61	130	63	133	360
800	3.2	48	102	49	105	50	107	355

Note: fan curve performed on high speed



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	28	60	29	80	83	0.78			2.0
	II	0	32	51	108	55	74	77	0.72			1.9
	III	0	32	70	150	104	70	74	0.67			1.4
	IV	-25	-13	24	52	66	65	68	0.77			-
Cooling	V	35	95	28	60	30			0.79	76.0	78.0	2.0

* Indicates total recovery efficiency, not sensible recovery efficiency

Model	Volts	Max. Watts	Max. Amps
ERV EC SR 200	120 V, 60 Hz	363	4.1