

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** – left-handed version.
- ERV EC SR 200 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

- Recirculation defrost.

Manual Balancing

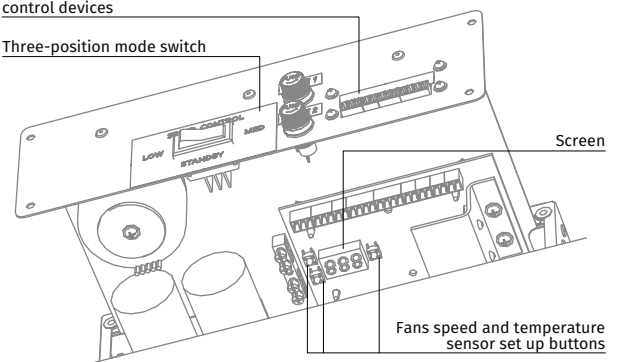
- Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0 % – 100 %).

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).

Terminals to connect external control devices

Three-position mode switch

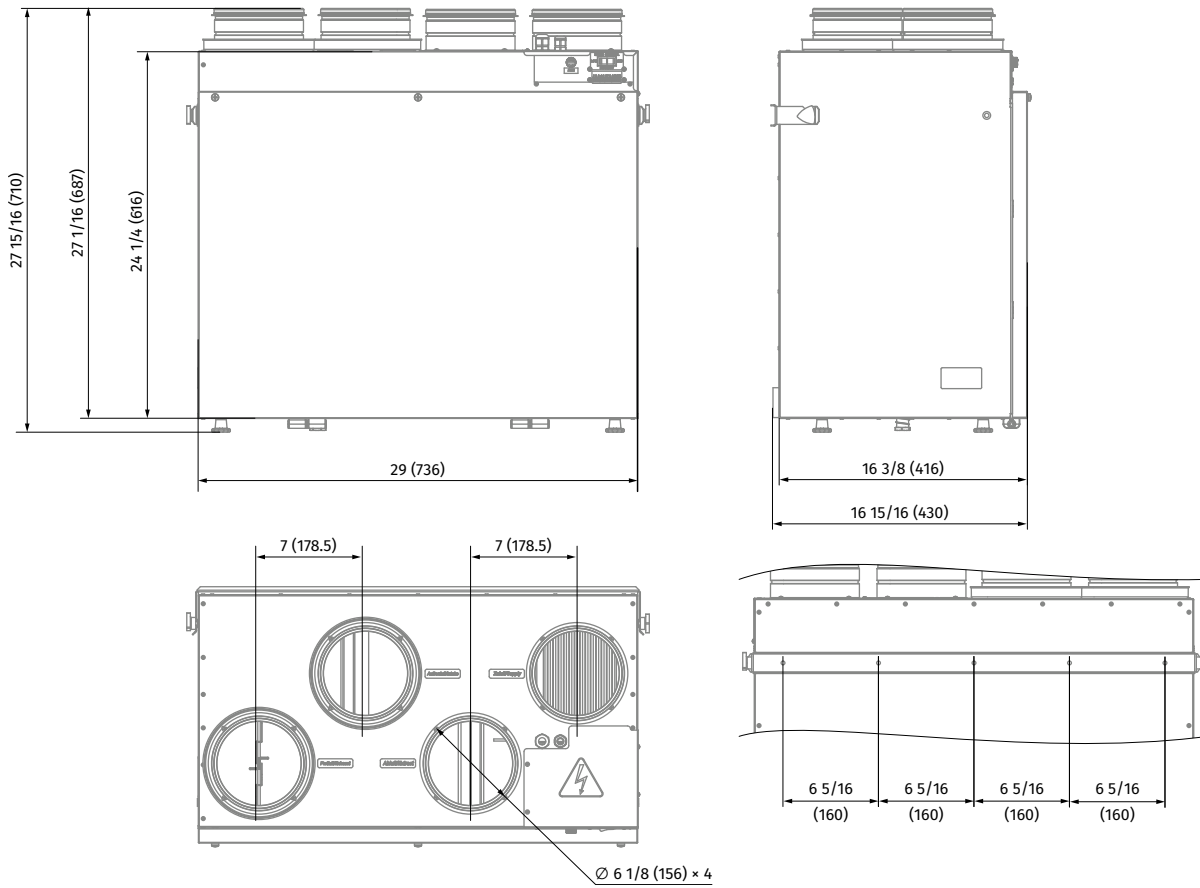


Suitable for

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

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

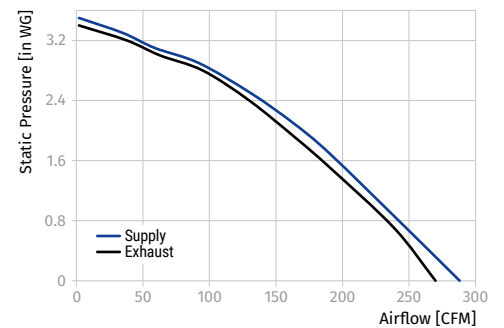
Dimensions [in (mm)]



Technical Data

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power [W]
Pa	in WG	l/s	CFM	Supply		Exhaust		
0	0	132	280	136	289	127	270	347.2
100	0.4	120	256	124	264	120	255	347.2
175	0.7	113	241	117	248	113	240	347.2
425	1.7	87	185	89	190	90	191	347.3
525	2.1	74	158	77	163	78	166	347.2
625	2.5	60	128	62	132	61	130	344.5
725	2.9	42	89	43	92	45	96	330.0
775	3.1	27	58	28	59	30	64	317.5
825	3.3	16	34	17	35	18	38	305.2
875	3.5	0.9	2	0.9	2	1.0	2	290.9

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	29.8	63	18	77	79	0.75	3.62
	II	0	32	50.8	108	40	68	70	0.71	2.74
	III	0	32	80.9	172	108	64	68	0.62	1.59
	IV	-25	-13	28.5	61	62	64	66	0.68	0.98

Model	Volts	Max. Watts	Max. Amps
ERVECSR200	120 V, 60 Hz	348	4.5