

HRV EC SR 200

Heat Recovery Ventilator

HRV 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.
- HRV EC SR 200 L** – left-handed version.
- HRV 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.

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

- Recirculation defrost.

Manual Balancing

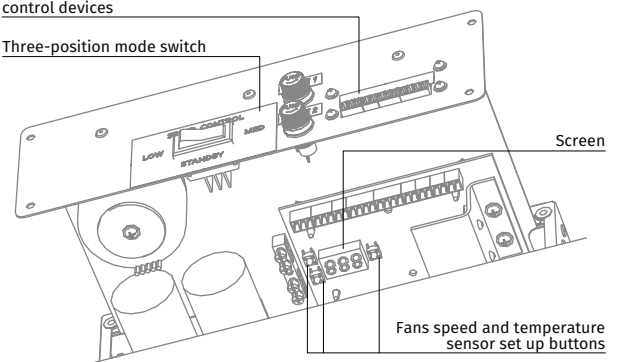
- Manual balancing is a standard balancing system. Fan speed manually adjusted by operating on units controller (Built-in control panel with independent fan speed adjustment 0 % – 100 %).

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

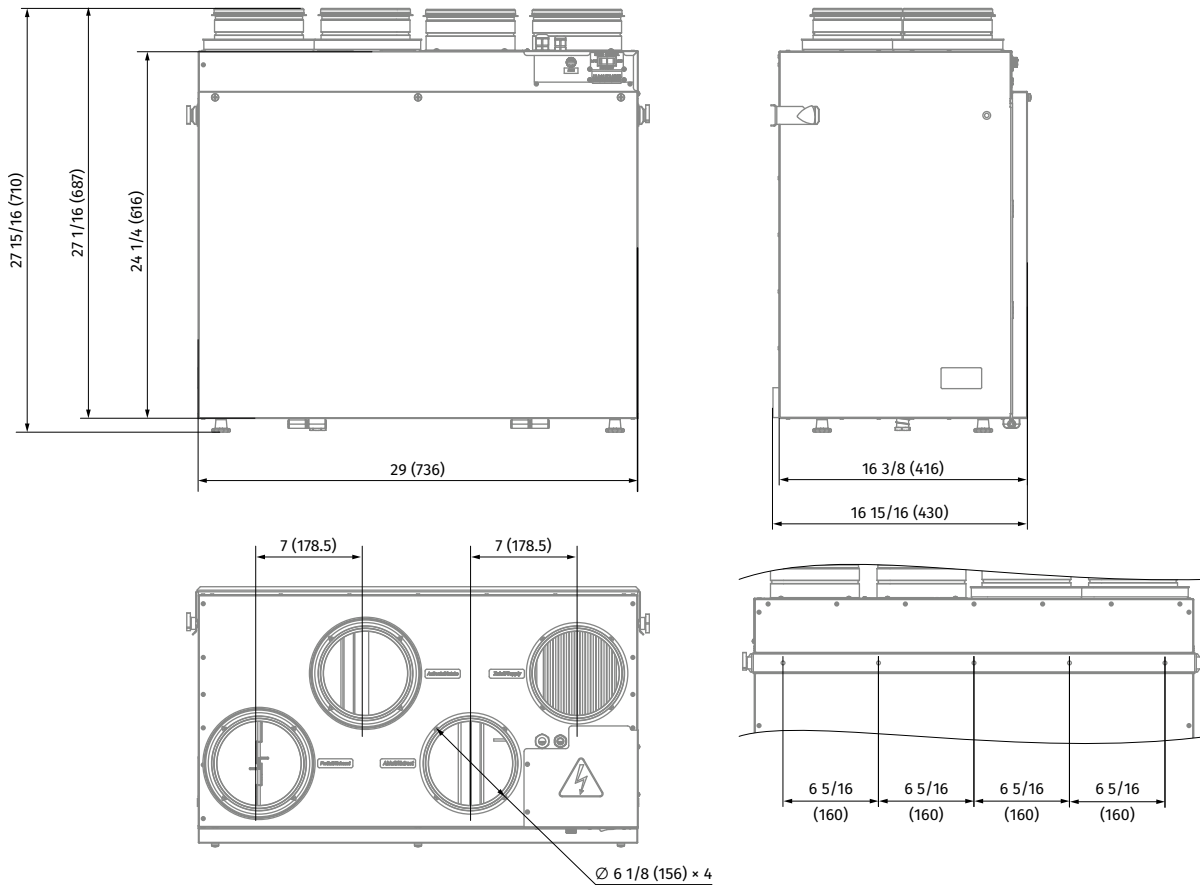


Suitable for

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

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

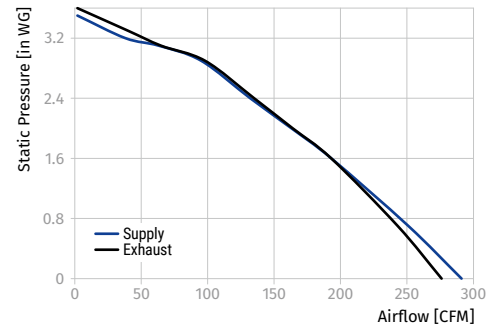
Dimensions [in (mm)]



Technical Data

External Static Pressure		Net Supply Air Flow		Gross Air Flow				Power [W]
Pa	in WG	l/s	CFM	Supply		Exhaust		
0	0	133	283	137	291	130	277	349.3
100	0.4	123	262	127	270	119	253	349.3
175	0.7	114	244	118	251	114	243	349.3
400	0.9	88	188	91	194	91	194	349.3
500	2	75	159	77	164	77	164	349.2
600	2.4	60	128	62	132	64	136	348.1
725	2.9	44	93	45	96	46	98	334.1
775	3.1	29	62	30	64	31	66	320.5
800	3.2	17	37	18	38	19	40	309.0
875	3.5	1	2	1	2	1	2	292.4

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	30.3	64	23	80	83	0.00	2.76
	II	0	32	53.4	114	55	79	82	0.00	2.06
	III	0	32	78.2	166	119	75	80	0.00	1.40
	IV	-25	-13	28.5	61	47	71	72	0.00	1.29

Model	Volts	Max. Watts	Max. Amps
HRVECSR200	120 V, 60 Hz	348	4.5