



RenewAire
Energy Recovery Ventilators



A Fresh Outlook on Home Ventilation

Ask Your Builder and Heating Contractor for...

Brings Healthful Fresh Air Indoors

And guards your family against the hazards of polluted, stagnant air.

Maximizes Energy Efficiency

RenewAire technology reduces the burden on your heating system in winter and pre-cools/dehumidifies summer air so your cooling system does less work too. You save money while helping the environment.

Satisfies Safety Requirements

Balanced exhaust and fresh airflow eliminates backdraft in chimneys and facilitates building code compliance.

Preserves Structural Integrity

Controlled humidity levels protect windows and woodwork while preventing excessive accumulation of moisture in walls.

Optimizes Ventilation Automatically

The right amount of ventilation, all the time. No open ducts to the outdoors. No windows to open. No wasteful, noisy exhaust fans.



Simple to Install

Can be mounted in any orientation, in any accessible location including crawl spaces, attics, basements and garages.

Easy to Maintain

Long-life blower/motor package is the only moving part. Condensate and ice formation is passively controlled eliminating the need for heaters or dampered defrost systems in virtually all applications. No need for condensate pans or drains.



Quiet

Powerful enough to generate ample airflow, yet virtually silent when operating.

Proven, Time-Tested Reliability

When we introduced our first ventilation system in 1983, it featured the world's largest-selling core technology. Today, RenewAire is a well established leader in bringing the many benefits of fresh outdoor air into homes throughout the U.S. and Canada.

Peace of Mind

A ten year warranty on the RenewAire core (with two years on the balance of the unit) gives you the security of knowing that you've made a wise investment decision.



RenewAire Please

The RenewAire Core

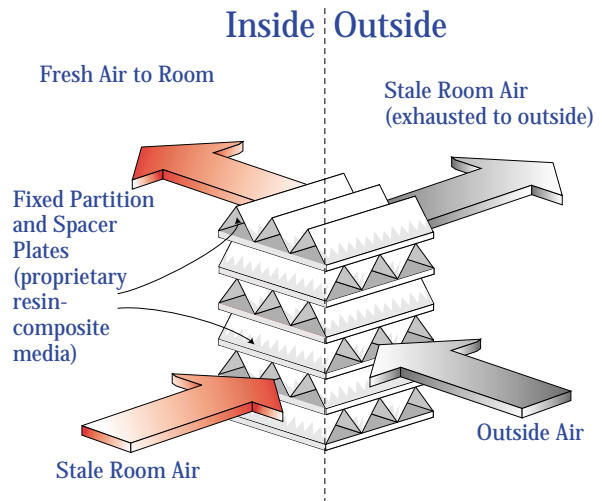
Room air loaded with indoor air pollutants is exhausted to the outside; its heating or cooling energy is transferred to the fresh air delivered to the room.

RenewAire efficiently transfers both heat (sensible energy) and water vapor (latent energy), while excluding pollutants... without moving parts.

The enthalpic (sensible and latent) energy transfer gives RenewAire a big advantage over most flat-plate exchangers: in winter, RenewAire can recover up to 30% more energy, and in summer can reject as much as three times the unwanted outside heat and moisture.

RenewAire's heat exchange core is manufactured by Mitsubishi Electric Corporation. Developed in 1971 specifically for energy recovery ventilation, this technology has gained worldwide acceptance with literally millions of successful installations. Decades of use have demonstrated that the core operates without loss of operating efficiency, retaining its strong resistance to transfer of pollutants and to biological contamination.

U.S. production of the RenewAire product began in 1983. Since then this durable, frost-resistant technology has



provided reliable, trouble-free service for tens of thousands of homes from Maine to California and from Alaska to Puerto Rico.

Years of use have demonstrated that this core operates without loss of operating efficiency over the long term, and retains its strong resistance to transfer of pollutants and to biological contamination. This durable, frost-resistant technology has provided reliable, trouble-free service in thousands of North American RenewAire installations for over a decade.

Why Advanced Ventilation is Required

Today's homes almost entirely eliminate wasteful air leaks, helping to control energy costs. But the gas pollutants generated indoors are trapped. The health hazards from indoor air pollutants are broadly recognized as one of today's top environmental hazards.

VOCs	Poor Ventilation May be Harmful to Your Health... Formaldehyde and other Volatile Organic Compounds (VOCs), cigarette smoke, radon, household cleaners, even perfumes can threaten your health. Or lingering odors may simply be a daily annoyance.
Odors	
Radon	
Smoke	Excess Moisture Can Damage Your Home... Breathing, showering, cooking—all these generate moisture in your home (about one gallon per person, every day). When that moisture is trapped in your home, the result can be "sweaty windows" and other moisture damage.
CO ₂	
Humidity	

RenewAire Provides the Required Ventilation at Minimal Energy Cost

Studies have shown that the air in our homes is more polluted than outside air. An air exchange system can remove the trapped pollutants from your home.

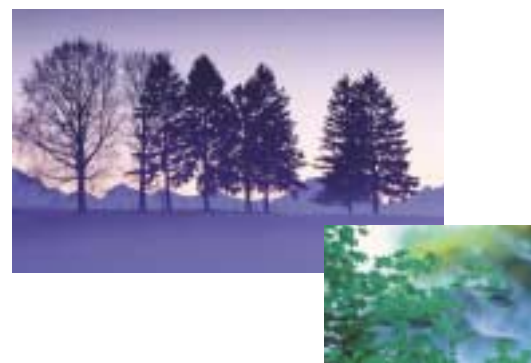
RenewAire provides the required ventilation but costs just pennies a day to operate, thanks to its efficient blowers and recovery of heating and cooling energy from the exhausted air.

RenewAire Protects Your Home From Extremes in Humidity... All Year Long

Homes in different parts of the country can face a range of outdoor humidity conditions—from very dry to extremely wet. When bringing in outdoor air to control indoor air pollutants, the challenge is to maintain a healthy level of humidity inside. RenewAire's humidity transfer capability acts as a buffer to reduce the impact of these humidity extremes. The result: ideal ventilation year-round.

In winter... RenewAire quickly brings excess humidity under control. RenewAire's partial moisture recovery then maintains humidity at a comfortable level.

In humid summer weather... RenewAire reduces the amount of moisture in ventilation air, minimizing the dehumidification load on your air-conditioning system.



Models and Specifications

RenewAire is the Leader in Quality and Performance



Compare RenewAire's quality of fit and finish, fully insulated cabinet, and durable precision metal blower assemblies. Compare RenewAire's independently certified performance that is superior to aluminum and other plastic plate exchangers.

EV130 ventilates up to 2700 square feet of living space.



Specifications

Ventilation Type: Static Plate, Heat and Humidity Transfer				
Typical Airflow Range: 50-140 CFM				
ARI 1060 Certified Core: One L50*				
Airflow Rating Points (for ARI): 95 CFM and 71 CFM				
Number Motors: One, 0.07 hp				
V	HZ	Phase	Input Watts	FLA
115	60	Single	124 @ .4" esp.	1.1
Control Voltage: 24 VAC				
Filters: Cleanable, spun polyester media. 10 ¹ / ₂ " x 10 ¹ / ₂ " x 1"				
Weight: 52 lbs (unit), 57 lbs (shipping weight)				
Shipping Dimensions: 21" W x 32" L x 15 ¹ / ₂ " H				
Options: Percentage runtime control Point of use controls Dehumidistat control 24 hour timer control Wall caps				

Performance

Airflow CFM	ESP in. H ₂ O	Temp EFF%	Total EFF% Winter/Summer*
35	0.80	84	74/57
71	0.70	80	70/51
95	0.60	76	66/45
111	0.50	75	65/44
118	0.40	74	64/43
127	0.30	73	63/42
131	0.20	73	62/41
140	0.10	72	61/40

*At ARI 1060 standard conditions
(See certified data for core components.)

EV200 ventilates up to 4000 square feet of living space.



Specifications

Ventilation Type: Static Plate, Heat and Humidity Transfer				
Typical Airflow Range: 100-200 CFM				
ARI 1060 Certified Core: One L100*				
Airflow Rating Points (for ARI): 200 CFM and 150 CFM				
Number Motors: One, 0.1 hp				
V	HZ	Phase	Input Watts	FLA
115	60	Single	151 @ .2" esp.	1.5
Control Voltage: 24 VAC				
Filters: Cleanable, spun polyester media. 10 ¹ / ₂ " x 21 ³ / ₄ " x 1"				
Weight: 80 lbs (unit), 88 lbs (shipping weight)				
Shipping Dimensions: 21" W x 32" L x 26 ¹ / ₂ " H				
Options: Percentage runtime control Point of use controls Dehumidistat control 24 hour timer control Wall caps				

Performance

Airflow CFM	ESP in. H ₂ O	Temp EFF%	Total EFF% Winter/Summer*
129	0.80	82	72/53
141	0.70	81	71/52
150	0.65	80	70/51
172	0.50	80	70/50
178	0.40	79	69/48
188	0.30	78	68/47
192	0.20	77	67/46
200	0.10	76	66/45

*At ARI 1060 standard conditions
(See certified data for core components.)



2201 Advance Road, Madison, WI 53718 USA
Telephone: 608-221-4499 • Toll Free: 1-800-627-4499
Fax: 608-221-2824 • Web: www.renewaire.com