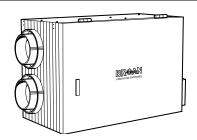


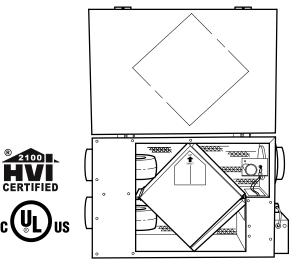
# ERV100HC FRESH AIR SYSTEM



#### Your Fresh Air Solution for Mild, Humid Climates

#### **FEATURES**

- Best airflow, sensible energy recovery, and latent energy recovery of its class / The enthalpic core will slow the moisture transfer between the outdoor and indoor environments, tempering the air\*. This innovative technology reduces moisture that enters the house during the summer. Enjoy the benefits of fresh air to dilute contaminants without an energy penalty.
- Durability, reliability and performance are the features that you will find with the Broan Energy Recovery Ventilators (ERV) / For contractors who want added value, quality, and best performance.
- Smart Defrost system / Failure protection system to prevent cold air from entering the house.
- Easy to service / All parts removable in 5 minutes, with electrical access on side panel.



#### **GENERAL SPECIFICATIONS**

- For houses from 4,501 to 7,500 sq. ft.
- 64 to 152 cfm (0.3 in. w.g.)
- 60 to 142 cfm (0.4 in. w.g.)
- Voltage: 120 VAC
- Frequency: 60 Hz
- Dimensions: 21.1" x 34.6" x 13.25"
- · Weight: 65 lbs
- · Shipping Weight: 75 lbs
- · Warranty: 2 years on parts 5 years on core
- · HVI Rated of air flow: 169 cfm
- Power Consumed (max): 150 Watts
- Supply air duct connections: 6" diameter
- Exhaust air duct connections: 6" diameter
- Filter: 30 ppi washable reticulated foam
- Cabinet: 20 ga. Pre-painted steel
- · Mounting: Suspension by chains and springs
- Wall control modes: N/A
- Power: 147 Watts
- Current: 1.4 Amps
- Continuous duty, permanently lubricated motors
- 36" power cord

\*The ability to slow the moisture transfer depends on the outdoor humidity condition

Broan-NuTone LLC Hartford, Wisconsin www.broan.com 800-558-1711

REFERENCE	QTY.	REMARKS	Project	
			Location	
			Architect	
			Engineer	
			Contractor	
			Submitted by	Date

## **MODEL ERV100HC** PERFORMANCE SPECIFICATIONS

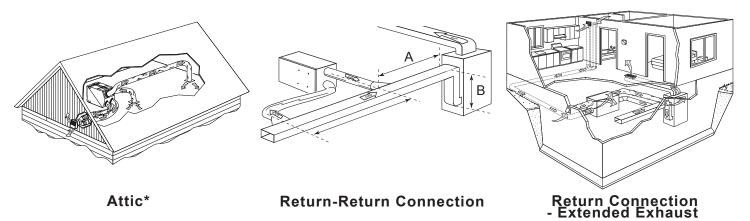
Ventilation Performance								
External Static Pressure		Net Supply Airflow		Gross Airflow				
				Supply		Exhaust		
Pa	In. W.g.	L/s	cfm	L/s	cfm	L/s	cfm	
25	0.1	81	173	87	184	93	197	
50	0.2	78	165	83	175	86	182	
75	0.3	72	152	76	162	80	169	
100	0.4	62	142	71	151	77	103	
125	0.5	55	117	59	124	67	143	
150	0.6	46	98	49	104	56	118	
175	0.7	36	77	39	82	41	87	
200	0.8	30	63	32	67	24	51	
Note: Unit operating at maximum speed.								



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Energy Performance								
	Supply Temperature		Net Airflow		Average Power	Sensible Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
Heating	С	F	L/s	cfm	Watts	%	%	
	0	32	29	60	56	71	79	0.52
	0	32	47	100	80	64	73	0.41
	0	32	65	137	126	60	68	0.36
	-15	5	31	65	64	56	81	0.41
					Total Recovery Efficiency			
Cooling 35 95 28 59 52 45								

### **INSTALLATION OPTIONS**



<sup>\*</sup>Contact your broan sales representative for information on attic installation requirements.

