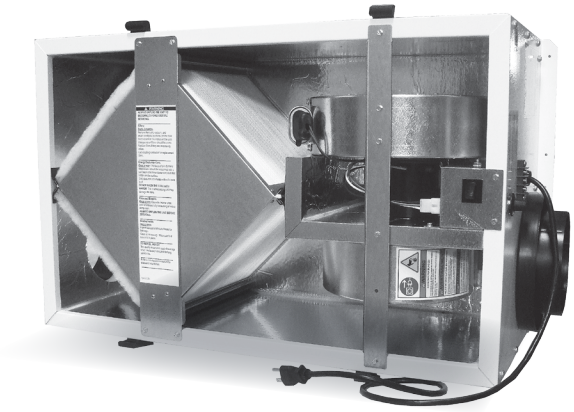
RenewAire®
Energy Recovery Ventilation

INSTALLATION, OPERATION & MAINTENANCE MANUAL
ENERGY RECOVERY VENTILATOR

BR70
BR130

MODEL: BR70

c UL us LISTED DUCTED HEAT RECOVERY VENTILATOR 89S5



MODEL: BR130

® 2100 HVI CERTIFIED

c UL us LISTED DUCTED HEAT RECOVERY VENTILATOR 89S5

ABOUT RENEWAIRE

For over 30 years, RenewAire has been a pioneer in enhancing indoor air quality (IAQ) in commercial and residential buildings of every size. This is achieved while maximizing sustainability through our fifth-generation, static-plate, enthalpic-core Energy Recovery Ventilators (ERVs) that optimize energy efficiency, lower capital costs via load reduction and decrease operational expenses by minimizing equipment needs, resulting in significant energy savings. Our ERVs are competitively priced, simple to install, easy to use and maintain and have a quick payback. They also enjoy the industry's best warranty with the lowest claims due to long-term reliability derived from innovative design practices, expert workmanship and Quick Response Manufacturing (QRM).

As the pioneer of static-plate core technology in North America, RenewAire is the largest ERV producer in the USA. We're committed to sustainable manufacturing and lessening our environmental footprint, and to that end our Madison, WI plant is 100% powered by wind turbines. The facility is also one of the few buildings worldwide to be LEED and Green Globes certified, as well as having achieved ENERGY STAR Building status. In 2010, RenewAire joined the Soler & Palau (S&P) Ventilation Group in order to provide direct access to the latest in energy-efficient air-moving technologies. For more information, visit: renewaire.com.

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BR70 AND BR130 INFO

⚠ WARNING

There is no known safe level of cigarette smoke. Any ventilation system may provide noticeable improvement in spaces where cigarettes are smoked, but it cannot be expected to protect against the severe long-term health hazards of exposure to cigarette smoke.

PURPOSE OF AN ENERGY RECOVERY VENTILATION (ERV) SYSTEM

Many modern homes are built air-tight for energy efficiency and comfort. The result is that natural air infiltration rates are often too low to provide acceptable indoor air quality. The solution is to use an ERV to remove gaseous pollutants such as odors, winter-time excess humidity, formaldehyde, smoke, radon, vapors from cleaning products, and other chemicals. The removal of dust and other small particles from your home is not the function of an ERV.

WHEN SHOULD YOU USE YOUR ERV?

Use your ERV when windows are closed and you need to ventilate. When the outdoor air is warmer or cooler than comfortable, the ERV will allow a quieter, more secure home with the windows closed and will also save energy.

USING AN ERV WITH AIR-CONDITIONING

An ERV works very well with air-conditioning, because its "enthalpy-transfer" energy-exchange core will reduce the amount of moisture in the outside air that is brought in. ERVs are the preferred way to ventilate while air-conditioning because it brings in less moisture than any other ventilation method.

CONTROLLING EXCESS HUMIDITY DURING COLD WEATHER

When the ERV is first turned on at the beginning of the heating season (or when first installed), it will have to run full-time for several days to reduce indoor humidity levels. The proportional timer should be set to "100%" for several days whenever you have a problem with excess humidity during cold weather.

BR70 AND BR130 INFO

ENERGY EXCHANGE SYSTEM
Cross flow fixed-plate enthalpic heat exchanger core; engineered, proprietary resin-media composite. Moderates both temperature and humidity extremes.

CERTIFIED PERFORMANCE
See Performance Report

ACCESS DOOR
Front panel opens to provide access to filters, blowers, and heat exchanger. Snap latches and hinges provided for easy service.

INSULATION
One inch foil-faced EPS foam throughout.

DUCT CONNECTIONS
Insulating double collars with 6" and 8" round connections for flexible or rigid duct work.

MOUNTING OPTIONS
Unit may be mounted to duct or wall using integral mounting flange with hanging bracket kit provided.

BLOWER/MOTOR
A single high efficiency PSC motor directly drives two centrifugal blowers for quiet operation.

FILTERS
Cleanable polyester air filters for both exhaust and fresh airstreams.

DEFROST
Passive frost-free design under most residential conditions.

WARRANTY
Ten year limited warranty on heat exchange core; two year limited warranty against defects in material and workmanship on all other components.

SPECIFICATIONS

CERTIFIED PERFORMANCE

INDEPENDENTLY TESTED
PER CSA C439

BR70 - Ventilation Performance							
Ext. Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	41	86	42	89	46	97
50	0.2	34	73	35	75	39	84
75	0.3	28	59	29	61	32	69
100	0.4	21	46	22	47	25	53

Electrical Requirements Volts 120 Amps 1.0
Exhaust Air Transfer Ratio = 3.6% @ 0.2 in. wg (50 PA) and 3.4% @ 0.4 in. wg (100 Pa)

BR70 - Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Apparent Sensible Effectiveness %	Net Moisture Transfer %
C°	F°	L/S	CFM				
Heating							
0°	32°	32	69	94	66	77	53
Cooling					Total Recovery Efficiency %		
35°	95°	30	64	94	42		

HVI TESTED/CERTIFIED
PER CSA C439

BR130 - Ventilation Performance							
Ext. Static Pressure		Net Supply Airflow		Gross Airflow			
				Supply		Exhaust	
Pa	in. wg	L/S	CFM	L/S	CFM	L/S	CFM
25	0.1	70	148	71	151	75	159
50	0.2	66	141	67	143	69	147
75	0.3	62	132	63	134	64	135
100	0.4	53	113	54	115	56	119
125	0.5	44	94	45	96	47	99
150	0.6	32	69	33	70	29	62
175	0.7	24	52	25	53	21	45

Electrical Requirements Volts 120 Amps 1.3
Exhaust Air Transfer Ratio = 1.6% @ 0.2 in. wg (50 PA) and 1.6% @ 0.4 in. wg (100 Pa)

BR130 - Energy Performance							
Supply Temperature		Net Airflow		Average Power Watts	Sensible Recovery Efficiency %	Apparent Sensible Effectiveness %	Net Moisture Transfer %
C°	F°	L/S	CFM				
Heating							
0°	32°	58	124	121	72	80	55
Cooling					Total Recovery Efficiency %		
35°	95°	59	126	121	46		

BR70 STANDARD

cULus LISTED DUCTED HEAT RECOVERY VENTILATOR 89S5

INDOOR UNIT
Duct Mounted or Thru-the-Wall

SPECIFICATIONS

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 40-70 CFM

Standard Features:
Painted cabinet
Line-cord power supply
Built-in control
Unit may be mounted in any orientation

Control:
Built-in proportional runtime control and switched terminals for furnace/AC interconnect

Filters:
Total qty. 2, MERV 8, spun-polyester media:
7 1/2" x 10 1/2" x 1"

Unit Dimensions & Weight:
29 3/4" L x 19 1/4" W x 10 3/4" H
38 lbs.

Max. Shipping Dimensions & Weight (in carton):
30" L x 22" W x 15" H
50 lbs.

Motor(s):
Qty. 1, Double-shaft standard motor

Accessories:
Backdraft damper 6"
Wall cap 6" - white, brown
Exterior thru-the-wall installation kit
Duct collar kit

Note: Electric Duct Heater is not available on the BR70.

ELECTRICAL DATA

HP	Volts	HZ	Phase	Input Watts	FLA
0.08	120	60	Single	94 @ 69 CFM	1.0

UNIT PERFORMANCE | CORE PERFORMANCE

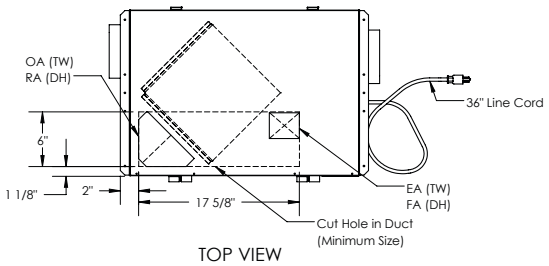
Airflow CFM	ESP in H_2O	Temp EFF%	Total EFF% Winter/Summer*
46	0.40	80	75/62
59	0.30	77	72/58
73	0.20	75	69/54
86	0.10	72	66/51

* See performance ratings per CSA C439 on page 135 of RenewAire's Full Line Volume XVI Catalog.

UNIT DIMENSIONS

AIRFLOW CONFIGURATION
Available as shown in dimension drawing.

UNIT MOUNTING & APPLICATION
Can be mounted in any orientation. If duct-mounted, airstreams cannot be switched. If mounted with exterior Thru-the-wall installation kit, the RA/EA airstreams are switched with the OA/FA airstreams. If four ducts are connected using duct collar kit, airstreams may be switched.



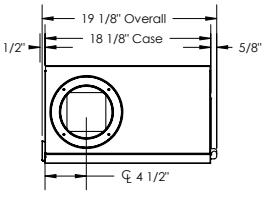
TOP VIEW

ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside
TW: Thru Wall
DH: Duct Hung

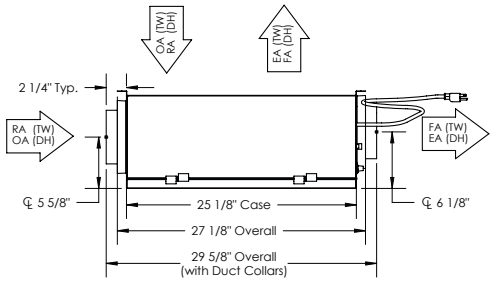
INSTALLATION ORIENTATION
Unit may be installed in any orientation.

NOTE
1.UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

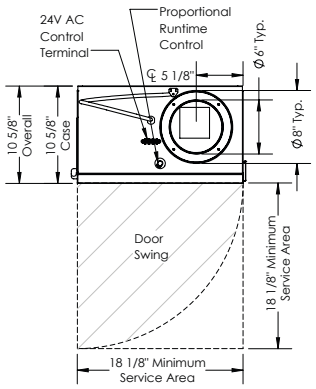
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



LEFT VIEW



FRONT VIEW



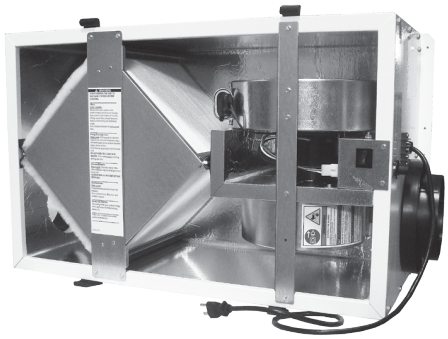
RIGHT VIEW

Specifications may be subject to change without notice.

RenewAire Energy Recovery Ventilation

BR130 STANDARD

INDOOR UNIT
Duct Mounted or Thru-the-Wall



SPECIFICATIONS

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 50-140 CFM

Standard Features:
Painted cabinet
Line-cord power supply
Built-in control
Unit may be mounted in any orientation

Control:
Built-in proportional runtime control and switched terminals for furnace/AC interconnect

Filters:
Total qty. 2, MERV 8, spun-polyester media:
10 1/2" x 10 1/2" x 1"

Unit Dimensions & Weight:
33 1/2" L x 19 1/4" W x 13 1/2" H
48 lbs.

Max. Shipping Dimensions & Weight (in carton):
32" L x 22" W x 18" H
60 lbs.

Motor(s):
Qty. 1, Double-shaft standard motor

Accessories:
Backdraft damper 6"
Wall cap 6" - white, brown
Exterior thru-the-wall installation kit
Duct collar kit

Note: Electric Duct Heater is not available on the BR130.

ELECTRICAL DATA

HP	Volts	HZ	Phase	Input Watts	FLA
0.1	120	60	Single	121 @ 124 CFM	1.3

UNIT PERFORMANCE | CORE PERFORMANCE

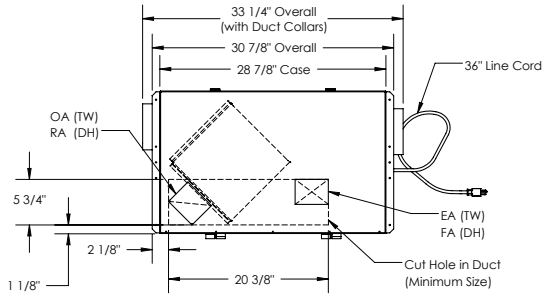
Airflow CFM	ESP in H_2O	Temp EFF%	Total EFF% Winter/Summer*
52	0.70	82	78/65
69	0.60	80	75/62
94	0.50	76	71/57
113	0.40	74	68/53
132	0.30	71	65/49
141	0.20	70	63/47
148	0.10	69	62/46

* See HVI certification ratings on page 135 of RenewAire's Full Line Volume XVI Catalog.

UNIT DIMENSIONS

AIRFLOW CONFIGURATION
Available as shown in dimension drawing.

UNIT MOUNTING & APPLICATION
Can be mounted in any orientation. If duct-mounted, airstreams cannot be switched. If mounted with exterior Thru-the-wall installation kit, the RA/EA airstreams are switched with the OA/FA airstreams. If four ducts are connected using duct collar kit, airstreams may be switched.



TOP VIEW

ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside
TW: Thru Wall
DH: Duct Hung

INSTALLATION ORIENTATION
Unit may be installed in any orientation.

NOTE
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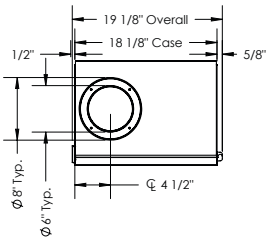
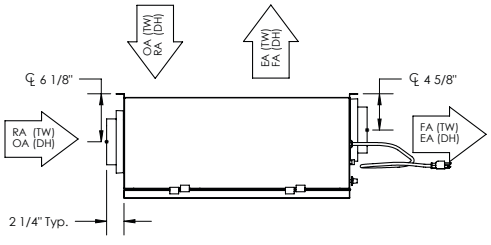
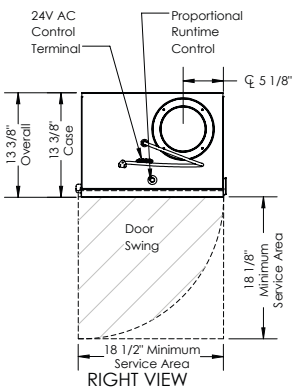


LEFT VIEW



FRONT VIEW



RIGHT VIEW

Specifications may be subject to change without notice.

INSTALLATION

PLANNING YOUR INSTALLATION

BEFORE YOU BEGIN

There are two general ways that the BR models can be installed. This manual covers duct hung installations. Please refer to the Thru-Wall instructions packed with the TW kit when installing units to an outside wall. Read all instructions before installing the unit. Also review supplemental instructions for the Thru-Wall kit if used. Carefully unpack and inspect the unit for shipping damage. Attach the two duct collars with the screws provided in the plastic small parts bag.

LOCATION OF THE UNIT

Select a location so that:

- The unit is hung on the furnace or air conditioner return trunk line.
- The two ducts to the outside are kept as short as possible with few gentle bends. Keeping all ducts as short and simple as possible provides the best performance from the system. Shorter duct runs help assure that the system is balanced; the amount of air brought in is equal to the amount of air exhausted. Unbalanced flow can cause poor performance from the unit and may even result in frosting of the core during extremely cold weather.
- The fresh air intake vent from the outside is placed a minimum of ten feet from any other exhaust vent.
- The power cord reaches an electrical outlet.
- The front cover can be opened to allow cleaning the core and filters. Provide at least 24" of clearance at front of unit for service access to the blowers, filters and exchanger core.

It is recommended that the BR units be used with standard furnace air handling equipment with velocities not exceeding 750 fpm at the point in the return air duct where the BR unit is attached. An alternate field measurement would be to locate the BR unit where the static pressure measurement does not exceed -0.2 inch. If the air handling system is high velocity or high pressure then the EV Series of products by RenewAire is recommended.

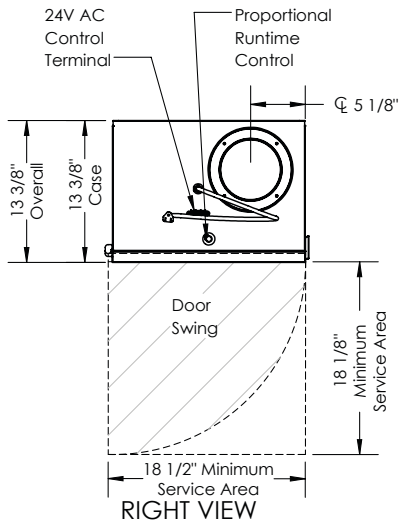
If a basement area is not available or practical, use other mechanical room space such as a closet, garage, storage, or accessible attic or crawl space.

NOTE: If you wish to install the unit in an attic or other unconditioned space, you may need to use special installation techniques such as insulating all connecting ductwork. Attic installations are allowed for residential applications only.

CAUTION

Provide Adequate Service Access for Maintenance. The unit will require regular filter and core inspections. Install the unit where you can access the core for cleaning and replacing the filters, and where you can get at the wiring for installation and service.

F1 **Service Area**



DUCTS TO THE OUTSIDE

The Exhaust Air Duct and the Outside Air Duct connect the unit to the outside. Flexible insulated duct is typically used. See Duct Sizes.

DUCT SIZES

Exhaust Air & Outside Air (EA & OA)	6" round insulated duct, 8" round insulated duct may be used to maintain maximum airflow
Fresh Air & Stale Air (FA & RA)	6" round or 8" oval rigid un-insulated (wall mounted units only)
Ducts from unit to house in unconditioned spaces	All ducts from unit to house in unconditioned spaces like attics and crawl spaces must be insulated.

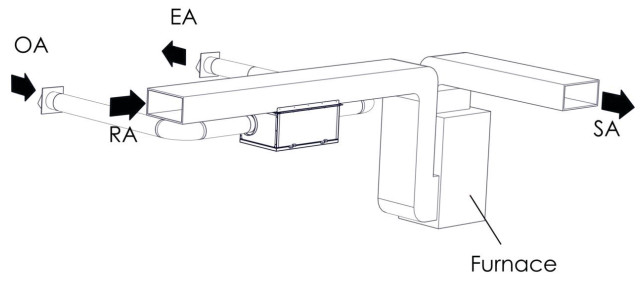
INSTALLATION

PLANNING YOUR INSTALLATION

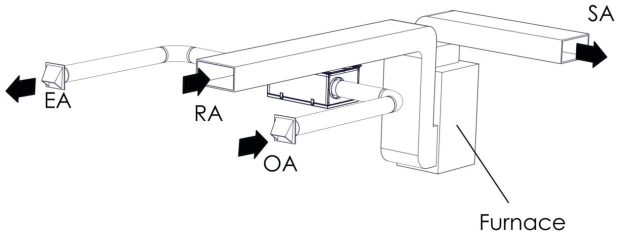
APPLICATIONS

See figures F2-F5 for examples of some common installation approaches.

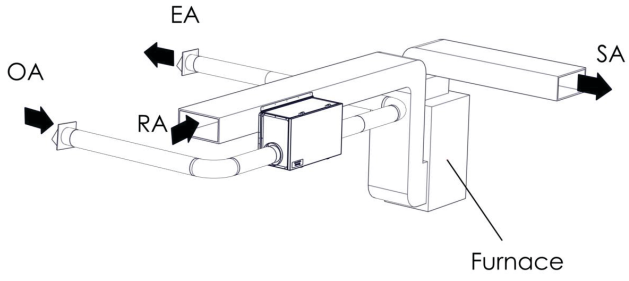
F2 **Bottom-Hung Lengthwise**



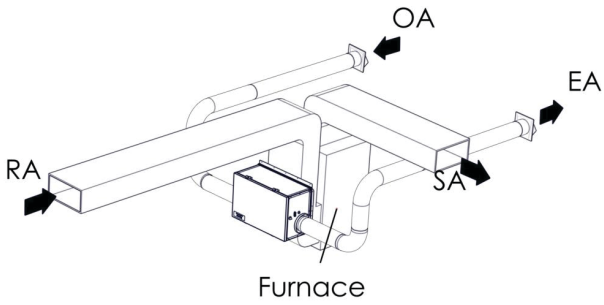
F3 **Bottom-Hung Crosswise**



F4 **Side-Hung**



F5 **Return Drop Hung**



EA Exhaust Air
OA Outside Air
RA Room Air
SA Supply Air
FA Fresh Air

INSTALLATION

PLANNING YOUR INSTALLATION

⚠ WARNING

RISK OF FIRE, ELECTRIC SHOCK, OR INJURY. OBSERVE ALL CODES AND THE FOLLOWING:

1. Use the unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Unplug the unit before servicing or cleaning. **CAUTION:** more than one disconnect switch may be required to de-energize the equipment for servicing.
3. Do not use in cooking area.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment that might be installed in the area affected by this equipment. If this unit is exhausting air from a space in which chimney-vented fuel burning equipment is located, take steps to assure that combustion air supply is not affected. Follow the heating equipment manufacturer's guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and local code authorities.
5. Do not connect this unit to fume hoods or collection systems for toxics.
6. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
7. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
8. This unit must be properly vented to the outside.
9. This unit must be connected to a properly grounded power outlet.

CAUTION

1. This unit is intended for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc., off power unit.
3. This installation manual shows the suggested installation method. Any structural alterations necessary for installation must comply with all applicable building, health, and safety code requirements.

INSTALLATION

INSTALLATION INSTRUCTIONS

NOTE: All the provided brackets should be installed surrounding the opening between the unit and return duct.

CAUTION

Risk of injury when lifting unit and installing it overhead. Get a helper and wear eye protection.

MOUNTING THE UNIT

Mounting the unit on ducting

The unit can be mounted on a return duct in various orientations. It can be attached to the bottom of the return duct in lengthwise or crosswise orientation. It can be attached to the side of the return duct. The different orientations are shown in Figures F2-F5.

Mount the unit hanging bracket to the unit. Attach the hanging bracket to the duct work. Make sure the unit orientation provides for proper airflow direction in the return duct. Refer to the air flow direction label on the unit. Using the template provided cut a rectangular hole in the duct work. To add rigidity to the duct, bend the edges of the hole into the duct as flanges. Check the gasket on the back of the unit to ensure it is free of tears and rips. Add the long piece of gasket provided in the hardware kit to the back of the unit to form a rectangle with the other three pieces of gasket already applied. Lift the unit and connect the hanging bracket on the unit into the hanging bracket on the duct work. **Use caution and an assistant when installing the unit overhead.** Swing the unit into position and verify its fit. Attach the unit end flanges to the duct work. Now fasten the crosswise bracket to the duct work and then to the unit. The smaller crosswise bracket may need to be installed after the lengthwise bracket if one of the unit flanges cannot be attached to the return duct. Make sure the screws used are properly selected for the loads and substrate involve.

Mounting the Thru-Wall Kit

As another installation option the Breeze unit may be mounted directly to the inside of an exterior wall. The Thru-Wall kit must be used for this application. Refer to Thru-Wall instructions packed with the TW kit.

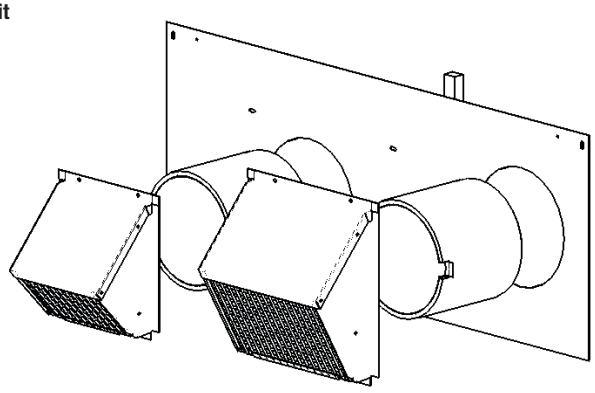
The Thru-Wall Kit, or TW, consists of two hoods, insulated metal ducts, an interior mounting plate, and small air seal gasket. See Figure F6. The interior plate is attached to the interior of the wall. Using the holes in the plate as a reference cut 6" holes to the outside allowing for a downward tilt to the outside of ½" for 12" of duct length. The insulated ducts are slid through the holes from the inside of the building. Bend over the tabs at the ends of the ducts on the outside of the building. These tabs can be attached to the building to keep the duct in position.

Duct length must be adjusted by cutting the duct to size. Allow a maximum of ½" of duct to extend past the interior wall covering.

Attach the wall caps to the exterior of the building. The wall cap with a rain guard is for the fresh air duct and the small wall cap without rain guard is for the exhaust air duct. Install appropriate flashing and sealing around the wall cap flanges to prevent moisture penetration into the building structure.

See instructions packed with the TW kit for more information.

F6 **Thru-Wall kit**



INSTALLING OUTSIDE AIR AND EXHAUST AIR DUCTS

For duct hung applications, the exhaust outlet and fresh air inlet on the outside of the building should be at least ten feet apart to avoid cross-contamination. Keep the length of the two flexible ducts roughly equal and as short and straight as possible. Normally, six inch insulated flexible duct is used. Band or tape inner duct liner to inner flange of appropriate collar. Drive a sheet metal screw through liner to secure duct spiral wire to collar. Straighten insulation, and slide outer duct jacket onto the outer flange of the duct collar. Secure with band or tape.

If duct runs are exceedingly long (over 10 feet of flex duct for 130 CFM) or have excessive bends or elbows or if maximum air flow rates are required, eight inch insulated flexible duct should be used. The outer flange of the duct collar can be used for both the inner and outer jacket of the flexible duct. Care must be taken to ensure that the duct is securely fastened and sealed to the duct collar. Ducts connecting the unit to the outside must be insulated with sealed vapor barrier on both inside and outside of the insulation.

The inlets and outlets should be screened against insects and vermin and shielded from the weather to prevent the entry of rain or snow. The exhaust outlet should not dump air into an enclosed space or into any other structure.

INSIDE DUCTWORK SYSTEM (FOR WALL MOUNTED UNITS ONLY)

Collect Stale Air from the House

Locate stale air return grilles (RA) in rooms where moisture and odors are generated: stale air returns (which pick up stale household air to be exhausted) should be located in bathrooms and the kitchen. A central location such as a hallway is also acceptable but won't clear humidity and odors from baths and kitchens as rapidly.

Connect Fresh Air from the Unit to the House

Use a five foot section of flexible insulated duct to connect the unit to the return air duct at the port labeled Fresh Air (FA). Note that the flex duct is not required for the room air connection (RA). This will cut noise transmitted from the unit. Stretch the flex duct tightly in order to maintain good airflow.

For houses with forced-air heating and cooling systems

Most units are installed with the fresh air duct connected directly to a return duct for the main heating and cooling system. Be careful to connect the fresh air duct at least three feet from the return plenum to minimize suction from the furnace blower. A connection closer to the furnace may result in unbalanced flow and associated problems.

For houses without ducted heating or cooling systems

In most houses one or two fresh air grilles in a central part of the house provide effective distribution of the fresh air into the home, particularly when the stale exhaust air is picked up at several points. Because the fresh air is usually somewhat cooler than the household air, the fresh air supply grilles should be located in a traffic area like a hallway or stairway rather than in a sitting area.

INSTALLATION INSTRUCTIONS

CAUTION

INSTALL FRESH AIR INLET AWAY FROM SOURCES OF CONTAMINANTS.

- Do not locate the fresh air inlet where vehicles may be serviced or left idling.
- The fresh air inlet should be at least ten feet away from any exhaust such as dryer vents, chimneys, furnace, and water heater exhausts or other sources of contamination or carbon monoxide.
- Never locate the fresh air inlet inside a structure.

INSTALLATION

INSTALLATION INSTRUCTIONS

⚠ WARNING

DANGER OF ELECTRICAL SHOCK WHEN SERVICING AN INSTALLED UNIT.
ALWAYS DISCONNECT POWER SOURCE BEFORE WIRING OR SERVICING.

ELECTRICAL CONTROLS

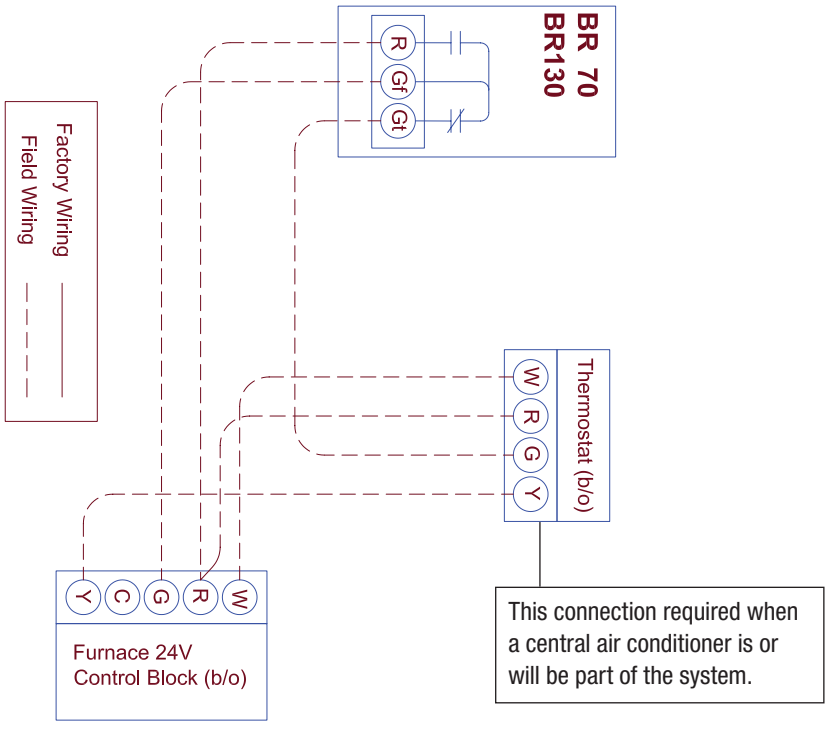
NOTE: Proper Wiring Size Selection and Wiring Installation Is the Responsibility of the Electrical Contractor.

NOTE: Electrostatic discharge (static electricity) may have an adverse effect on the control board. Use proper grounding techniques when handling the control board.

Automatic Proportional Runtime Control

All installations include a Primary Operating Control on the unit to ensure appropriate operation of the system. The control terminal on the unit must be connected to the furnace/air conditioner and/or thermostat only for proper operation. The thermostat and furnace/air conditioner control circuit must be Class II circuits. See Figure F7 for a wiring diagram.

F7 **Wiring Diagram**



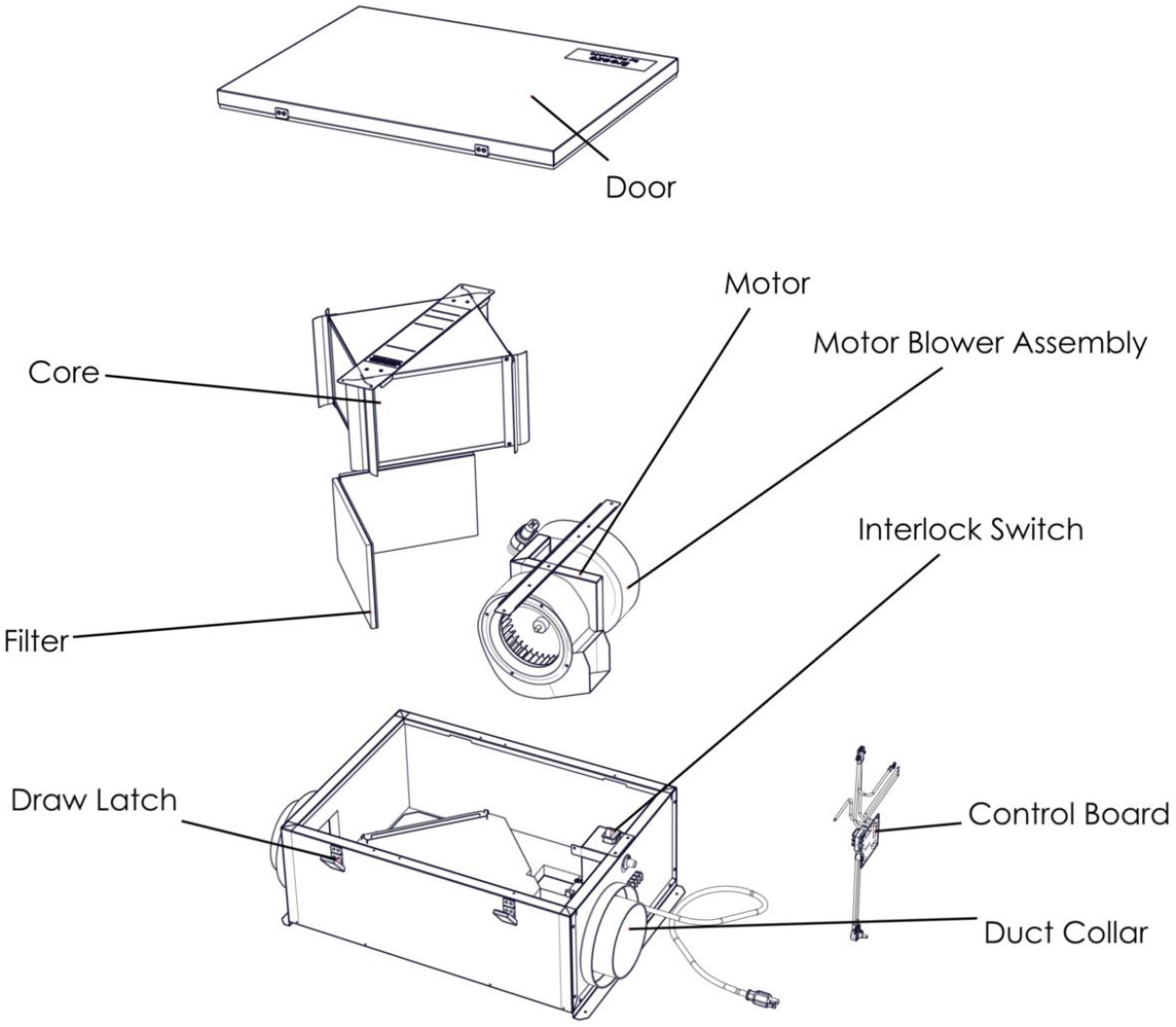
STARTING UP THE UNIT

- Inspect your installation to be sure all duct work is correctly installed and sealed, that filters are in place, and controls (if any) are connected.
- Shut and latch the door to the unit.
- Plug unit into 115 VAC outlet. It may start immediately.
- Use control to turn on the unit. Check operation of the control(s).
- Check that the unit's safety interlock switch turns off the unit when the door is opened.

START-UP

MAINTENANCE

SERVICE PARTS BR Units (BR70 shown)



MAINTENANCE

Keep your ERV performing at its best by cleaning it as described below:

TO CLEAN THE ENERGY EXCHANGE ELEMENT

Vacuum the Face of the Energy Exchange Element Yearly.

Dust collects only on the entering faces of the energy exchange element. The interior of the energy exchange element stays clean even if the element faces are dust covered. The RenewAire core airflow paths are designed to transport the air in a laminar motion. The core flutes move the air in a laminar airflow such that particulate deposition is maintained at virtually nill.

1. Remove the filters (see below).
2. Vacuum the exposed faces of the energy exchange element with a soft brush attachment.
3. After servicing the filters, re-install them (see below).
4. Vacuum out dust from the rest of the unit case.

INSPECT AND CHANGE THE FILTERS REGULARLY

Service filters every three months when the unit is in regular use or as needed to keep them reasonably clean.

1. Release cam latches and carefully swing access cover open. The cover may be removed by sliding to one side.
2. In BR130 units, remove filter clips.
3. Pull the filters out.
4. Vacuum with a hose attachment.
5. Re-install filters and filter clips. Orange side of filter should face the core.
6. Re-install cover and fasten cam latches.

NOTE: Filters should be replaced after they have been cleaned several times. The primary contact for replacement filters for your RenewAire unit is the installing contractor. As an alternative, you may wish to produce your own filters following these instructions:

Filters may be cut from a sheet or roll of ¾" - 1" firm, spun polyester filter “hog hair” media or material, similar to the existing filter in the residential unit.

The size of each filter (2 required per unit) is as follows:

BR70	7" x 10 ½"
BR130	10 ½" x 10 ½"

Call your HVAC contractor or RenewAire for further information.

NOTE: Filters must be used or the face of the energy exchange core will become blocked by dust and reduce unit efficacy. The filters supplied in the unit are usually able to keep the energy exchange core clean for many months. Finer filters can be used but must be cleaned more often.

MOTOR MAINTENANCE

The blower/motor package needs no lubrication.

If necessary, vacuum clean the blower wheels at the same time you clean the face of the energy exchange element (yearly). Confirm blower wheel is not rubbing against the blower inlet or housing by rotating wheel manually.

GENERAL CLEANING AND INSPECTION

Perform general cleaning and visual inspection when changing filters.

1. Remove paper, leaves, etc. from inlet and outlet screens.
2. Inspect for insect nests.

REQUIREMENTS

⚠ WARNING

RISK OF ELECTRIC SHOCK OR INJURY.

- Before servicing or cleaning the unit, unplug the unit line cord.
- Make sure unit is not running before opening its door. Blower wheels are sharp and can cut.
- Do not disable the interlock switch: it is there for your safety.

CAUTION

DO NOT WASH THE ENERGY EXCHANGE CORE.

Keep it away from water or fire to avoid damaging it. Always handle the core carefully.

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