

# Performance™ Series Energy and Heat Recovery Ventilators



Turn to the Experts.™

Performance™  
SERIES



Keep Fresh Air Circulating Throughout Your Home for Superior Comfort

## Efficiency

Carrier's HRV and ERV heat exchanger core works to recover heat or energy from the stale indoor air being exhausted and transfers it to the incoming outdoor air without sacrificing energy efficiency. This process raises or lowers the temperature of the incoming air to more closely match the temperature of the air circulating through your home.

- The high-efficiency heat exchanger core recovers up to 84% of the heat or energy from the stale indoor air being exhausted and transfers it to the clean incoming outdoor air.
- These units also help to maintain proper humidity levels in your home to help you feel more comfortable.
- Minimum heat loss and proper humidity levels help maximize energy efficiency and lower utility costs.

## Things to Consider Before You Buy

### Comfort

Carrier specializes in creating a customized home comfort system tailored to your needs with our broad selection of residential heating and cooling products. Your Carrier dealer can help you choose the best system for your home including Carrier-exclusive features that further enhance your indoor environment.

The Carrier Performance™ Series Heat Recovery Ventilators (HRV) and Energy Recovery Ventilators (ERV) are designed to expel stale polluted air outdoors and refresh your home with clean outside air, while at the same time recovering energy and pre-tempering the air coming into your home. This is much more economical than opening a window during the winter or summer months.

- The tighter construction of today's homes can restrict the air exchange, trapping stale polluted air inside your home.
- Dust, chemicals and other airborne contaminants as well as excessive humidity can circulate through the air in your home, aggravating asthma and allergy symptoms.
- HRV or ERV? – Check the map below.
  - If you live in a colder climate with a longer heating season such as Canada or the northern US, the HRV will provide the most comfort and efficiency.
  - In the midwest and southern states, where humidity removal is needed for the incoming air, an ERV provides year-round efficiency.

### Climate Map for Energy and Heat Recovery Ventilators

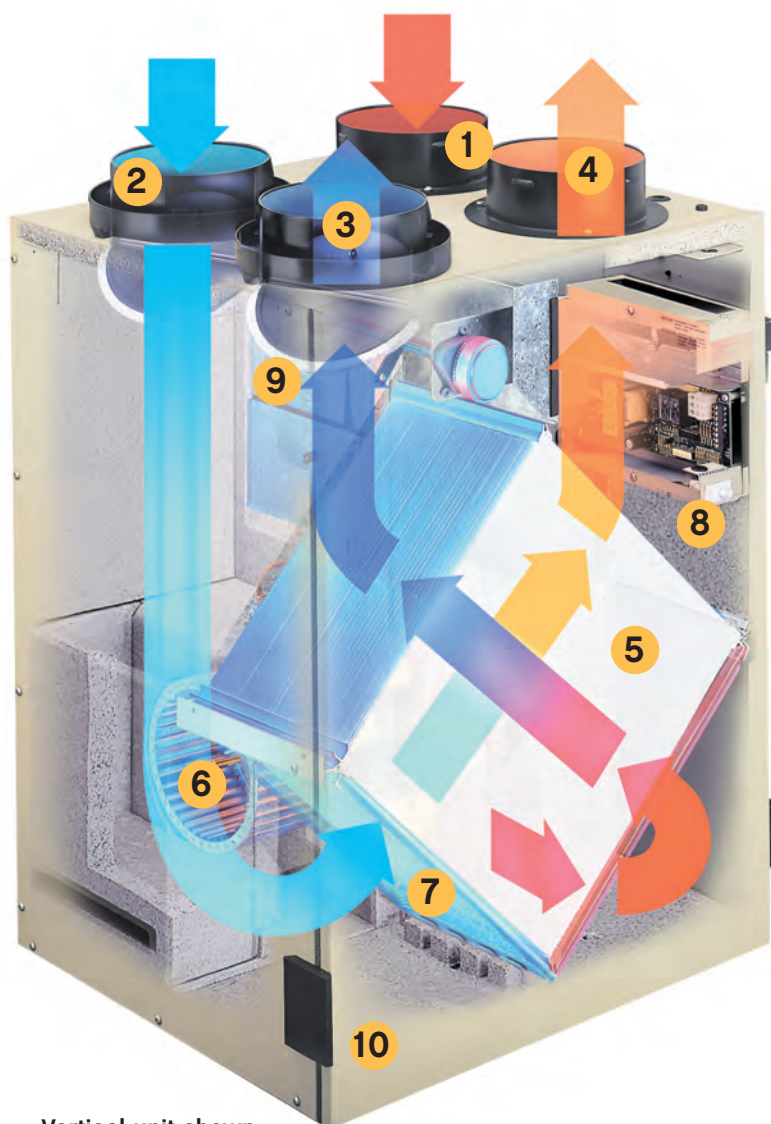


### Reliability

At Carrier, your comfort is our business. That's why we have one of the most extensive product research and development facilities in the world. Within every step of the development process, from the design phase to the finished product, we test each and every product to exceed industry standard requirements.



# HRV and ERV System Components



Vertical unit shown.  
Horizontal units also available.



## Technology

- 1 Internal air intake** – draws in stale indoor air, directing it through the heat exchanger core.
- 2 External air intake** – draws outside air, venting it through the air filter.
- 3 Internal air exhaust** – vents indoor air outside from the heat exchanger core. Up to 84% of indoor heat has been removed, helping minimize utility costs.
- 4 Fresh air supply** – vents conditioned, heated outdoor air into your living areas.
- 5 High-efficiency heat recovery core** – extracts heat from stale indoor air and transfers it to fresh outdoor air for maximum comfort with little heat loss. This core also removes excess humidity from recirculated air – lower humidity levels help you stay comfortable at higher temperatures in the summer and lower temperatures in the winter.
- 6 Ventilator motor** – moves air through the system efficiently and quietly.
- 7 Air filter** – cleans outdoor air of small particles before they circulate through your home.
- 8 Electronic circuit board** – adjusts air circulation modes and motor speeds.
- 9 Damper defrost** – helps prevent frost from forming within the system, eliminating the need for a supplemental energy-consuming electric defroster. This defroster engages when temperatures drop below 23 degrees Fahrenheit.
- 10 Briefcase-style exterior latches** – allow easy filter changes with no tools required.
- 11 Simple wall control** – makes operating the HRV or ERV easy and convenient.

## Warranty

Carrier's Performance™ Series Heat Recovery Ventilator (HRV) includes a limited lifetime warranty on the core. The Energy Recovery Ventilator (ERV) includes a limited five-year warranty on the core. Both the HRV and the ERV are covered by a limited five-year warranty on the entire unit. Extended warranties are also available. Ask your Carrier dealer for further information.





## Turn to the Experts

Willis Carrier invented air conditioning in 1902. Over 100 years later, we're proud to say Carrier systems are trusted in more homes than any other brand.

Carrier continues to be on the forefront of innovative engineering and unsurpassed standards of excellence. So when choosing a home comfort system, you'll want to turn to the experts. Your Carrier dealer will evaluate your home, such as window placement and size, ductwork, other structural specifics and lifestyle to provide a customized indoor comfort plan designed specifically for you. And when you have an expert helping you make an educated decision, you're going to feel more comfortable.



Turn to the Experts.<sup>SM</sup>

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Always look for these symbols. These are seals of certified performance, efficiency and capacity.

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