

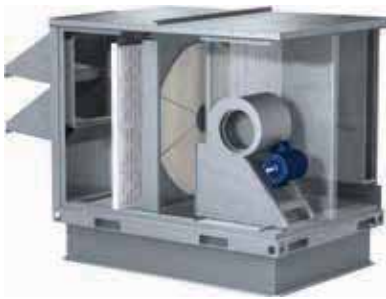
Energy Recovery Ventilators

Energy recovery ventilators precondition outdoor air to near room conditions. Fresh outdoor air flows through one side of the unit, while stale exhaust air from the building flows through the other side. An energy recovery wheel rotates between the two airstreams, transferring temperature and moisture properties. In the summer, this transfer reduces the temperature and moisture level of the outdoor air. Likewise in the winter, this transfer increases the temperature and moisture of the outdoor air. The overall effect is a significant reduction in the amount of energy used to condition the outdoor air.



Model ERV

The ERV is designed for indoor-mounted applications requiring 500 to 6,000 cfm of ventilation air. A key design consideration for these units is mounting location. Several duct configurations allow for floor-mounted or ceiling-hung installation. Access panels and optional hinged doors allow for easy access to the unit's wheel, filters, motors and controls.



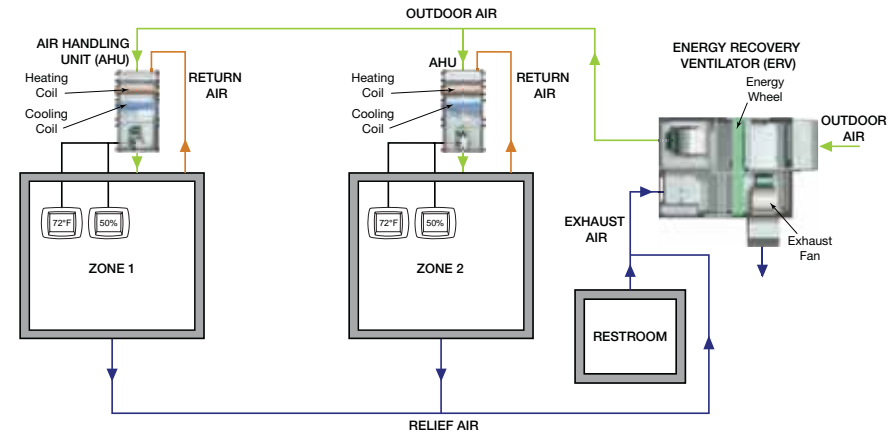
Model ERVe

The ERVe is designed for outdoor-mounted applications requiring 1,000 to 6,000 cfm of ventilation air. The configurability of this unit allows for easy incorporation on rooftops or outdoor pad mounting scenarios. Hinged doors allow easy access to the unit's wheel, filters, motors and controls.

Application

Energy recovery technology is well suited for commercial and institutional applications such as classrooms, offices, meeting rooms, condominiums and assisted living facilities.

This diagram illustrates how energy recovery units can be used in conjunction with other HVAC equipment. Fresh, outdoor air enters the energy recovery unit and is pretreated before entering the heating and cooling equipment.



Benefits

- Humidity control
- Reduced latent load on air conditioning equipment
- Improved indoor air quality of building
- Increased comfort of building occupants
- Reduced ventilation costs by as much as 75% producing year round energy savings
- Eliminates problems associated with high indoor moisture levels



Energy recovery wheels certified by the AHRI Air-to-Air Energy Recovery Ventilation Equipment Certification Program in accordance with AHRI Standard 1060. Actual performance in packaged equipment may vary. Certified Ratings are available in the Certified Product Directory.



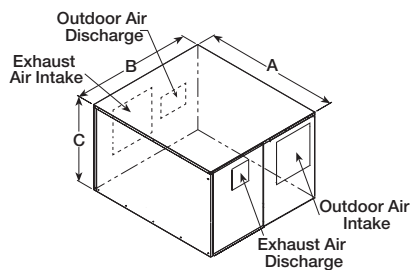
Greenheck Fan Corporation certifies that the Model ERV and ERVe shown herein are licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

Best Available Program

10 Days



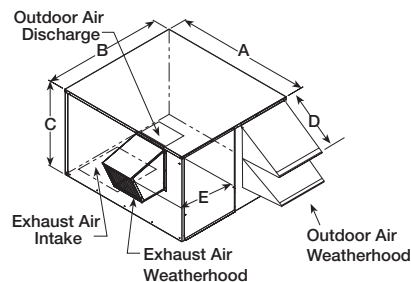
Standard Construction	ERV	ERVe
Galvanized steel construction (ERVe is double-wall)	■	■
Total enthalpy wheel certified to AHRI Standard 1060	■	■
Hinged doors		■
One-inch foil face insulation	■	■
Forward-curved fans	■	■
Single-point wiring	■	■
Motor starter	■	■
Non-fused disconnect	■	■
Fork-able base		■
Options and Accessories		
Roof curb	■	■
Double-wall construction	■	
2-inch MERV 8 outdoor air and exhaust air filters	■	■
Outdoor air and return dampers	■	■
Listed to UL 1995 (open motors only)	■	■
Enthalpy sensor (Economizer)	■	■
Temperature sensor (Economizer)	■	■
Timed exhaust and modulating wheel frost control	■	■
Duct flanges	■	■
Weatherhood	■	■
Dirty filter sensor	■	■
Service receptacle	■	■
Permatector™ protective powder finish	■	■



Dimensions for ERV

Model Size	Exterior			Weight (lbs.)
	A	B	C	
ERV-10	46.1	33.7	27	300
ERV-20	62	51	31.1	720
ERV-45	67	67.1	44.4	1100
ERV-55	74.9	69.2	66	1470

All dimensions are in inches.
Weight includes dampers and filters.



Dimensions for ERVe

Model Size	Exterior					Weight (lbs.)	Curb Outside Dimensions (in.)
	A	B	C	D	E		
ERVe-20	65.8	49.6	45.1	17.8	20.8	940	61.10 x 40.35
ERVe-35	68.1	59.7	59.7	21.8	17.8	1270	63.35 x 55.48
ERVe-45	72.1	65.9	65.9	21.8	19.2	1480	67.35 x 55.48
ERVe-55	83	72.3	72.3	21.8	23.9	1970	78.23 x 65.42

All dimensions are in inches.
Weight includes weatherhoods, dampers and filters.



Model MiniVent-450 and MiniVent-750

The MiniVent is an energy recovery ventilator designed for indoor installations in commercial and institutional applications. The compact design provides an economical solution for individual spaces, such as school classrooms and small offices and may be floor mounted or ceiling hung. A removable panel enables easy access to filters and enthalpy wheel.

Performance

Capacities range from 150 to 850 cfm and 1 in. wg of external static pressure.

Standard Construction

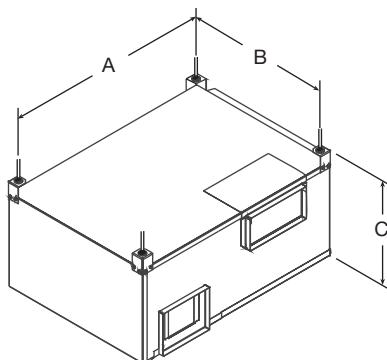
Galvanized steel construction
Total enthalpy wheel certified to AHRI Standard 1060
Forward-curved blower
Gravity backdraft damper
Single-point wiring
1-inch pleated filters
Insulated
Listed to UL 1995

Options and Accessories

Intake and exhaust accessories - wall, roof mounted
Speed control
Motion detector (MiniVent-450 only)
Isolators - hanging

Best Available Program

In Stock



Dimensions for MiniVent

Model Size	Exterior			Weight (lbs.)
	A	B	C	
450	49.8	28.3	17.3	150
750	45.1	35.1	21.6	250

All dimensions are in inches.