



Engineered & Made
in America



Low GWP
Refrigerant



CERV3-HC: High Capacity



Built with over fifteen years of proven CERV technology & field experience across all climates



All-in-one Heating, Cooling, & Ventilation for ADUs, Multifamily, & Small High-Performance Homes



Heat Pump Heating, Cooling, & Dehumidification

Inverter-drive heat pump provides up to 10,000 BTU/hr capacity



Heat Pump Energy Recovery Ventilation

Recovers energy while heating, cooling, & dehumidifying incoming fresh air



Indoor Air Quality Monitoring & Management

Integrated CO2, VOC, and Particulate sensors activate fresh air ventilation



Outdoor Pollutant Defense

Outdoor Air Quality Sensors protect your home from outdoor pollutants



Advanced Air Purification

Filtration through high-efficiency filters removes fine indoor particulates



Ultraviolet Germ & Virus Shield

Reduce the spread of illness by sanitizing the air



Elegant Controls & Internet Connected

7" touchscreen, Android & IOS App, MQTT, BACnet, Modbus and more



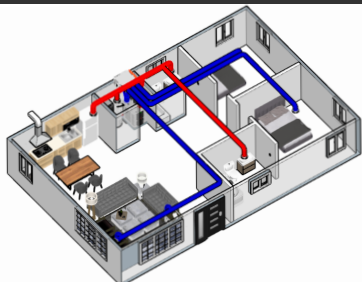
Learn More at www.buildequinox.com



CERV3-HC
High Capacity
Ventilating Heat Pump



All-in-one Heating, Cooling, & Ventilation for ADUs, Multifamily, & Small High-Performance Homes

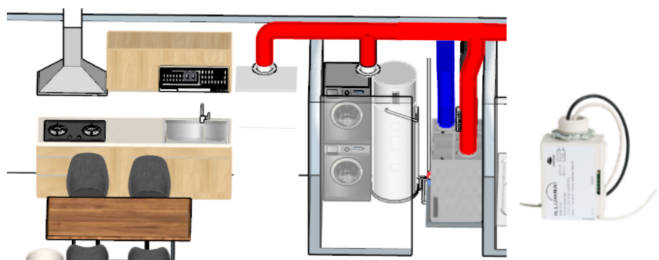


The CERV3-HC combines ventilation, energy recovery, heating, cooling, dehumidification, filtration, and intelligent indoor air quality management in one compact packaged system. For small high-performance homes, apartments, and ADUs, this integrated approach can reduce equipment, ductwork, refrigerant piping, and installation complexity while maintaining healthy indoor air and year-round comfort.

No outdoor heat pump unit or field refrigerant connections are required.

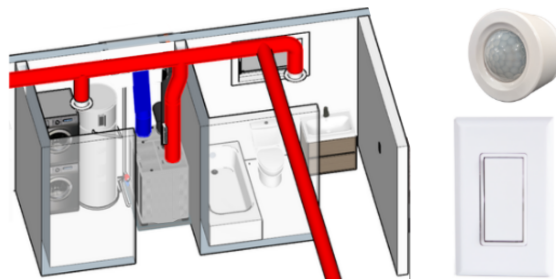
Kitchen Range Hood Integration

Direct-exhaust or recirculating range hoods can integrate with the CERV3-HC through an active circuit transmitter. When the range hood operates, the CERV automatically activates boost ventilation and can provide up to 300 CFM of makeup air.



Bathroom Ventilation Simplified

Bathroom exhaust air can be routed directly to the CERV3-HC, eliminating the need for separate bathroom exhaust fans. Occupancy sensors, timers, or switches can automatically activate boost ventilation when additional exhaust is needed.



System

Input Power	120 VAC 60hz (15A)
Dimensions	34" x 22" x 34"
Weight	140 lbs
Max Airflow	300 cfm
Filter Size	10" x 20" x 1"
Filter Type	MERV 14
Duct Openings	8" Round
Refrigerant	R32 (Low GWP)
Warranty	5 Years 1st Year Parts & Labor Years 2-5 Parts Only

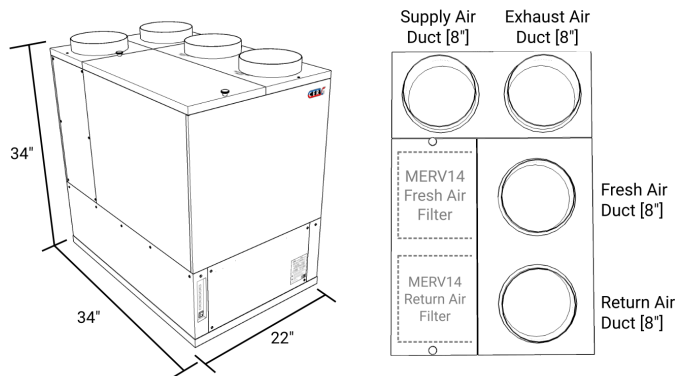
Sensors

Temperature, Relative Humidity, Carbon Dioxide (CO2)
Volatile Organic Compounds (VOC), Particulate Mass & Count

Recirculation Heating & Cooling

Outdoor T	Capacity	Efficiency
❄️ 95°F (35°C)	8,800 BTU/h	3.1 (COP)
❄️ 82°F (28°C)	9,800 BTU/h	3.3 (COP)
🔥 47°F (8°C)	10,200 BTU/h	3.0 (COP)
🔥 35°F (-2°C)	8,000 BTU/h	2.6 (COP)
🔥 17°F (-8°C)	7,200 BTU/h	2.0 (COP)
🔥 5°F (-15°C)	6,100 BTU/h	1.76 (COP)

Capacity varies relative to indoor conditions. Excludes variable speed fan power.



Dehumidification

Indoor T	Indoor RH	Capacity	Efficiency
💧 74°F (23°C)	50%	28.0 L/Day	1.54 L/kWh
💧 74°F (23°C)	60%	37.3 L/Day	2.02 L/kWh

Energy Recovery

Outdoor T	Indoor T	Airflow	Efficiency
❄️ 95°F (35°C)	75°F (24°C)	100 CFM	1.0 TRE
🔥 32°F (0°C)	68°F (20°C)	100 CFM	1.1 SRE

Meets and exceeds Energy Star Cold Climate requirements.
May qualify for state or utility rebates for purchase and installation costs.

All Listed Specifications are Preliminary, and subject to change.