

NEW Inverter Air-to-Water Heat Pump

In today's world of ever-changing efficiency standards and certifications it is imperative for manufacturer's to stay ahead of the curve by offering modern equipment that fits the needs of not only our customers but also local, national and even global environmentally friendly initiatives.

Today's emphasis on green, environmentally friendly technologies to reduce the overall carbon footprint requires thinking outside the box when it comes to heating and cooling applications.

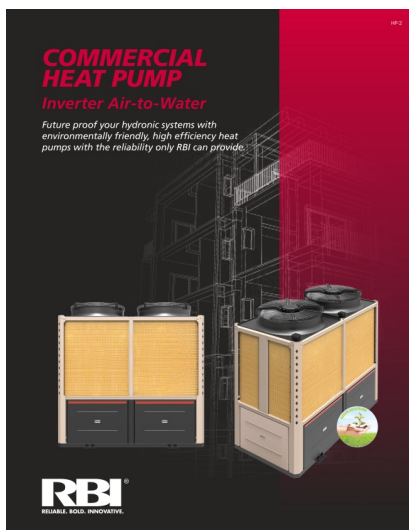


Now Available!

RBI is very excited to introduce our first inverter driven air-to-water heat pump.

Perfect for light commercial and commercial applications, our air-to-water heat pump encompasses all of today's hydronic equipment innovations.

Heat pumps absorb low-temperature heat from outside air and deliver higher temperature heat to an emitter inside the occupied space using water as the heat transfer medium. When cooling heat pumps reverse the cycle and deliver chilled water through the same emitter.



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Features and Benefits

- Heating Capacities to 288 MBH
- Cooling Capacities to 203 MBH
- Inverter Compressors
- Low Ambient Performance (-20°F)
- Enhanced Vapor Injection (EVI) Technology
- Hot water to 140°F
- User Friendly Touch Screen Controls
- No Refrigerant Handling
- Easily Piped and Zoned
- High Performance DC Motors
- C-Fin Heat Exchangers
- Built-in Redundancy



DC Motors

All units utilize external high performance DC motors that operate quietly and efficiently.

C-Fin Heat Exchangers

Finned heat exchangers can account for up to 70% of heat transfer on any coil. Our high quality corrugated fins have a directional "edged" configuration resulting in increased air turbulence for maximum heat transfer. Fins also incorporate a special anti-frost coating, increasing frost protection by up to 50% while improving COP.

Integrated Drain Pan

Unique drain pan configuration ensures any water is drained away immediately eliminating freezing and potential drain blockage.

Energy Management

Our intelligent control platform modulates based on load requirements for maximum performance efficiency throughout the operating range. Modulation also protects the equipments moving components further extending the units life cycle.



Dual Systems With Independent Air Cavity

RBI's inverter heat pumps with EVI use dual independent compressor systems allowing individual operation relevant to the system demand. Individual systems also offer redundancy, where if a module is in need of maintenance the other module can still operate at its full capacity.

Reliable...Bold...Innovative.

Inverter Driven Compressors

Utilizing the most energy efficient technology available today, RBI uses variable speed inverter driven compressors with load matching to maximize performance efficiency in both heating (to -20°F) and cooling modes. Inverter seamlessly and quietly modulates up and down based on load.

Flexibility

Intelligent load matching touch screen control platform is easy to navigate making setting parameters a breeze. Equipment is easily zoned and have many options for types of emitters including radiant floors and ceilings, hydronic fan coils, panel radiators, low-temp fin-tube baseboard and even active chilled beams.

Low Ambient EVI

Enhanced Vapor Injection (EVI) technology found in our scroll compressors in conjunction with the high efficiency condenser used in RBI's heat pumps, provides improved efficiency, reliability and heating capacities, making it the perfect compressor for severe ambient conditions in colder climates, while maintaining the ability to cool during the warmer seasons.

Environmentally Friendly

Heat pumps not only provide unsurpassed comfort, but they do it safely. Equivalent VRF systems use potentially dangerous refrigerant inside the occupied space and require no fossil fuels for energy transformation as they are all electric.

www.rbiwaterheaters.com

