



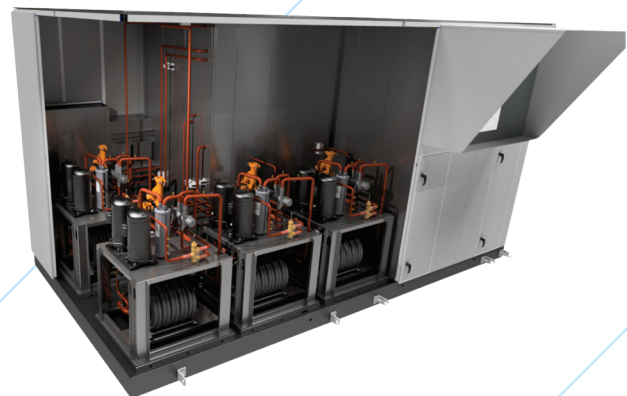
## ELECTRIFICATION REFRIGERATION SOLUTION

# WATER SOURCE HEAT PUMP REFRIGERATION

**A custom water source heat pump refrigeration system delivers exceptional energy efficiency and seamlessly provides both heating and cooling in a single integrated solution.**

## WHY CHOOSE A WATER SOURCE HEAT PUMP?

Electrification is becoming an increasingly important focus in HVAC system design, and water-source heat pumps (WSHPs) are leading this transformation. These systems utilize a refrigeration cycle connected to a central water loop, where heat is exchanged between the refrigerant and the water. This integrated approach significantly improves energy efficiency and eliminates the need for separate heating and cooling components.



## INNOVENT'S WATER SOURCE HEAT PUMP—ADVANTAGES

With over a decade of experience in WSHP design and manufacturing, Innovent provides custom high performance, energy-efficient, reliable WSHP systems, designed by our in-house engineers. Our systems are tailored to meet the unique needs of each project, from space constraints to climate challenges.

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## KEY FEATURES

### CUSTOM CONFIGURATION

- **Designed to meet specific footprint and accessibility requirements**
- **Flexible layout** enables individual circuit access for easier maintenance
- **Heated vestibule** included to prevent freezing and ensure dependable cold-weather performance

### INTEGRATED WATER PIPING OFFERING

- **Optional factory-packaged piping system** connects each circuit to a main header
- **Delivered as a fully engineered, ready-to-install solution**
- **Reduces onsite installation time** and complexity

### HIGH-EFFICIENCY HEAT EXCHANGER

- **Coaxial tube-in-tube design increases heat transfer** surface area and fluid turbulence
- **Rugged construction** protects the heat exchanger during thaw cycles for added durability



PRODUCT SCOPE/SUMMARY	
ITEM	DESCRIPTION
Nominal capacity	6 to 400 tons
Circuiting	1 to 12 circuits
Compressors	Staged, Digital or Variable Speed
Typical Entering Fluid Temperatures (EWT) Cooling	50-90°F
Typical Entering Fluid Temperatures (EWT) Heating	30-80°F

Please contact your [Innovent Sales Representative](#) with questions about this offering.



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[innoventair.com](http://innoventair.com)

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