

Climatic Water/Water Heat Pump

Water Source Heat Pump

Atecpool Climatic Water Source Heat Pump

Water-to-Water Heat Pump is a system of heating or cooling that involves the transfer of heat by a circulating fluid (as water or vapor) in a closed system of pipes.

Atecpool Climatic ATWSHP Series for heating includes a special high temperature scroll compressor coupled with heat exchangers designed specifically for water heating, which provides unmatched efficiency and performance. The evaporator is a tube-in-shell heat exchanger that is capable of operation over a wide range of temperatures, and is more rugged than other types of evaporators. The condenser uses a close approach tube-in-shell heat exchanger as well.

Perfect Solution for Industrial water heating

Suitable for

- Pharmacy Industry
- Sewage Treatment
- Gas boilers replacement
- Desalination Plants
- Dairy Requirement Sterilization



High
COP

Various
Applications

Higher
ROI

More
Reliable

Compact
Design &
Flexible
installation

Climatic Series Highlights

- **IEER > High COP:** High heat transfer efficiency enables it to have high energy saving performance.
- **Various Applications:**
Compatible with existing water chillers for hot water & cooling
Compatible with existing cooling tower for factory process cooling & hot water
- **Higher ROI:** Low cost water heating and free air cooling, flexible installation and combination solution equals to high ROI in the long run.
- **More Reliable:** Durable and reliable; the unit can run stably all year around without being affected by ambient temperature.
- **Compact Design & Flexible installation:** The multi-connected heat exchanger design makes it compact, thus able to adjust to various installation locations.

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Climatic Series Specifications

- Compact water-to-water heat pump for indoor or outdoor installation.
- With suction gas cooled scroll compressor.
- With extensive tube-in-shell Heat Exchanger as tube evaporator and coaxial condenser.
- Refrigerant cycle with thermostatic expansion valve, filter, gas-liquid separator, high and low pressure switches.
- With efficient automatic defrosting by hot gas principle.
- Electric and terminal box, with control and disturbance signaling.
- Heating regulator for mounting to walls.
- Refrigerant as R134A.

Water Connections

- Water connections to be done on site.
- Heating and condensation connections of flexible pipes with external thread.

Condensation Connections

- The water connections and the drain pipelines must be protected against frost on sites in freezing climates.
- It's always recommended and necessary to insulate the water pipes from W2W to water bodies when there is a long distance between them, to maintaining the heat.