



TRAILBLAZER[®] HP

Air-to-Water Heat Pump

Heating & Cooling w/R410-A Refrigerant

Model EWYQ



25 tons

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INTRODUCING TRAILBLAZER HP (HEAT PUMP)

The **TRAILBLAZER HP** (model EWYQ) is an efficient air-cooled chiller system that can switch between cooling and heating modes depending on the temperature requirements of the space/process being conditioned. In cooling mode, the system uses the refrigeration cycle to absorb heat from the cooled space/process and dissipates it to the ambient air. Conversely, in heating mode the system uses the refrigeration cycle to absorb heat from the ambient air and transfers the heat to the desired space/process. Both modes of operation save money during fluctuations of indoor/outdoor temperatures, both day and night.

Using Trailblazer in a cascade system with other water-to-water heat pumps provides a highly efficient and reliable source of heating and cooling, while maximizing the use of waste heat generated by the other heat pumps. This can drastically reduce operating costs, energy consumption and greenhouse gas emissions while increasing system efficiency.

High-Performance Condenser Fans

- Composite, single piece for quiet operation
- Sound-reducing shrouds

Factory-Installed MicroTech® 4 Controls

- Stand-alone unit operation or configure up to 8 Trailblazer heat pumps
- BACnet®, Modbus® and LonWorks® for easy BAS communications

Quiet Heat Pump

- Low sound levels at both full-load and part-load conditions
- Vibration and noise cancelling foot mounts

Aluminum Fin Condenser

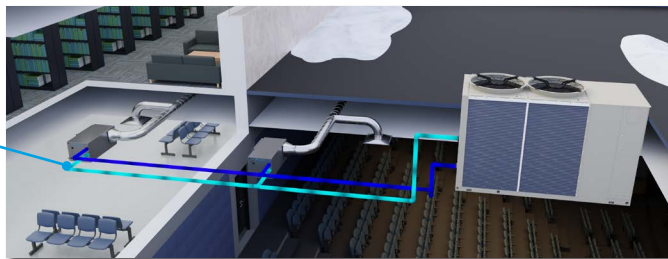
- Efficient tube-in-fin copper aluminum coil
- Seamless, staggered copper tubes/full fin collars
- Sub-cooling for increased cooling capacity
- Optional baked epoxy coating for protection against elements

Efficient Heat Exchanger

- Energy-saving, direct expansion evaporator
- Stainless steel with closed-cell insulation for improved efficiencies
- Electric heater included for freeze protection

Cascade System Solutions

- Allows multiple heat pump series connections
- Increases cooling capacity of each heat pump
- Reduces required lift for each heat pump
- Lower ambient temperature reduces energy costs



APPLICATIONS

- ▶ EDUCATION
- ▶ RETAIL
- ▶ GOVERNMENT
- ▶ OFFICE BUILDINGS

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