



WH Series High-Temperature Heat Pump Water-to-Water



High-temperature hot water output of up to 160°F (71°C) for hot water baseboards or full capacity domestic hot water heating.



WH Series

The WH Series heat pump utilizes clean incoming liquid in the temperature range of 45°F (7°C) to 122°F (50°C). Sources such as the buffer tank on the indoor side of a geothermal heat pump, a cooling loop from an industrial process, or well water in warmer climates can be used. The WH Series has an output temperature up to 160°F (71°C) and is available from 2 to 7.5 nominal tons.

Certifications



WH 25-100 Features & Benefits

Footprint - WH25 - WH55 are about 28"x 28", WH65 - WH80 are about 28"x 39", WH90 & WH100 are about 30"x 40"

Distribution Type - This unit is designed for space heating via hot water baseboards and cooling via hydronic air handlers.

Electronic Expansion Valve - Ensures precise refrigerant control and maximizes system capacity.

Refrigerant - R134a refrigerant, for higher temperature range than otherwise possible.

Refrigerant Receiver - means 100% of condenser is available for use at all times, maximizing system capacity.

Suction Accumulator - ensures liquid refrigerant cannot get back to compressor, for maximum compressor longevity.

Cabinet - is powder coated satin galvanized steel, making it immune to corrosion.

Gen2 Control Board - Includes built-in aquastat functionality, BACnet, laptop connectivity, data logging, electronic readout of refrigerant pressures and water in/out temperatures.

WH-85 Features & Benefits

Distribution Type - This unit is designed for domestic hot water heating.

Electronic Expansion Valve - Ensures precise refrigerant control and maximizes system capacity.

Refrigerant - R134a refrigerant, for higher temperature range than otherwise possible.

Refrigerant Receiver - means 100% of condenser is available for use at all times, maximizing system capacity.

Suction Accumulator - ensures liquid refrigerant cannot get back to compressor, for maximum compressor longevity.

Cabinet - is powder coated satin galvanized steel, making it immune to corrosion.

316SS Double Walled Brazed Plate Condenser - to meet building codes applicable to potable water.

316 Brazed Plate Evaporator - for maximum efficiency.

Gen2 Control Board - Includes built-in aquastat functionality, BACnet, laptop connectivity, data logging, electronic readout of refrigerant pressures and water in/out temperatures.

WH 150-800 Features & Benefits

Footprint - W150 - W400 is about 74"x 25", and WH500 - WH800 is about 80"x 29"

Distribution Type - This unit is designed for heating and simultaneous cooling, or optional reversing valve for heating and active cooling.

Electronic Expansion Valve - Ensures precise refrigerant control and maximizes system capacity.

Refrigerant - R134a refrigerant, for higher temperature range than otherwise possible.

Compressor - Copeland single stage scroll compressors with crankcase heaters.

Suction Accumulator - ensures liquid refrigerant cannot get back to compressor, for maximum compressor longevity.

Cabinet - is satin galvanized steel with powder coat finish.

316SS Double Walled Brazed Plate Condenser - to meet building codes applicable to potable water.

316SS Brazed Plate Evaporator - for maximum efficiency.

Gen2 Control Board - Includes built-in aquastat functionality, BACnet, laptop connectivity, data logging, electronic readout of refrigerant pressures and water in/out temperatures.

WH 120/140/180/235 Features & Benefits

Footprint - Are about 20" x 41".

Distribution Type - Space heating and cooling or domestic hot water heating.

Compressor - Single stage scroll with crankcase heater.

Suction Accumulator - For compressor liquid protection.

EEV (Electronic Expansion Valve) - Maintains an accurate and efficient flow of refrigerant.

316SS Single Wall Brazed Plate Heat Exchanger - For regular space heating and cooling needs.

316SS Double Wall Brazed Plate Heat Exchanger - For dedicated domestic hot water heating.

316SS Water Lines - To meet building codes applicable to potable water.

Refrigerant - Contains R134a refrigerant for higher temperature reach.

Gen2 Control Board - With external digital user interface, and BACnet communications. USB port for laptop connection using free provided software.