

## General Information

The WW Heat Pump Water Heater recovers waste or unwanted heat from a *source* such as building chiller loops, warm water from water cooled condensers, geothermal loops and a variety of other *sources*. The hot water generated by the WW Heat Pump, supplies a storage tank and can be used as potable or process hot water. The WW-110 Heat Pump is right sized for many light commercial applications. When options such as built-in pumps are included, the installation becomes fast and easy; just connect the water and electrical power and the system is on line.

## General Specifications

- Water Heating Capacity: 110,000 BTUH
- Cooling Capacity: 80,000 BTUH
- COP: 3.7
- Source Water Flow Rate: 20 GPM
- Supply Water Flow Rate: 25 GPM (Hot Water)

## Standard Features

- High Efficiency Scroll Compressor
- Environmentally Friendly Refrigerant: R-134a
- Stainless Steel Brazed Plate Double Wall Condenser
- Stainless Steel Brazed Plate Single Wall Evaporator
- Liquid Line Filter Dryer
- Liquid Line Sight Glass
- Thermal Expansion Valve
- Evaporator Freeze Protection
- High and Low Refrigerant Pressure Switches
- Flow Switches
- Control Function Indicator Lamps
- White Pre-Painted Aluminum Cabinet

## Options

- Stainless Steel Cabinet
- Mill Finished Aluminum Cabinet
- Stainless Steel Brazed Plate Single Wall Condenser
- Reverse Acting Source Water Control for Operating with Excessive Source Water Temperature
- Compressor Run Hour Meter
- Shell and Tube, or Tube-In-Tube Heat Exchangers Available on Special Order. Consult Factory.
- Built-In Pump(s)

\* EWT 100°F (Entering Supply Water Temperature) and ESWT 70°F (Entering Source Water Temperature)

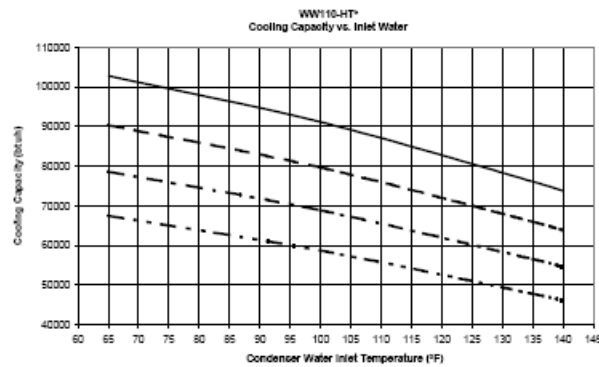
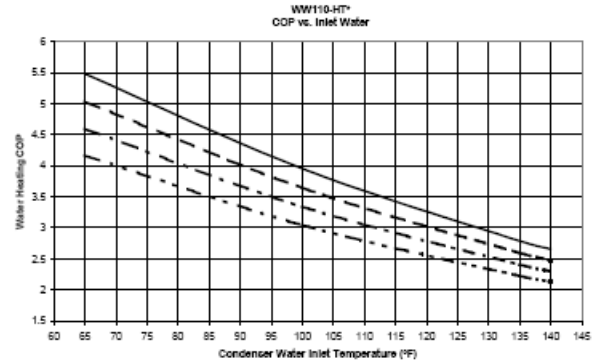
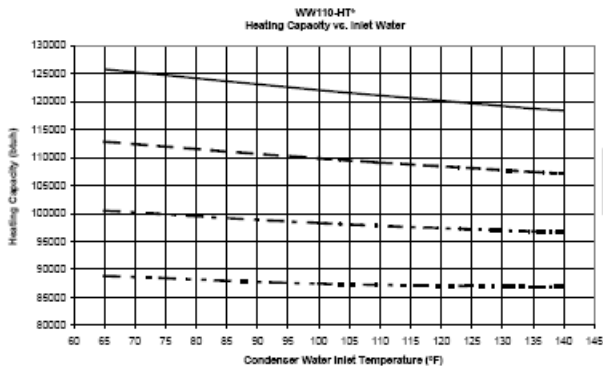
## Electrical Characteristics

Model	Compressor					MCA	MFS
	Volts	Hz	Ph	RLA	LRA		
WW-110 HTC	208/230	60	3	41.1	278	42	70
WW-110 HTD	460	60	3	22.1	127	21	35

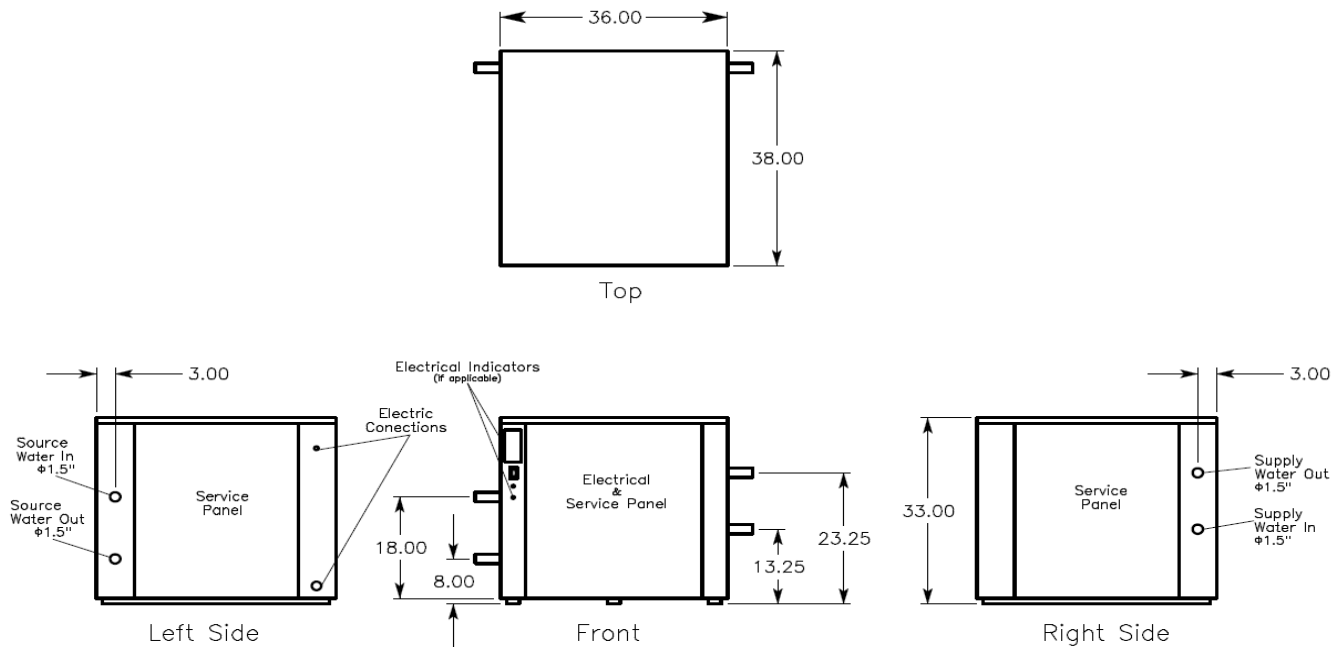
MCA= Minimum Circuit Ampacity MFS=Maximum Fuse

*(Performance Curves and Dimensional Data on Reverse)*

## Performance Curves



## WW-110 HT Dimensional Data



**Ship Weight: 680 Lbs.**

As part of the Applied Energy Recovery Systems, Inc. continuous improvement program, specifications subject to change without notice.