

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-330 Heat Pump is right for many large size commercial and condominium 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 *: 330,000 BTUH
- Cooling Capacity *: 250,100 BTUH
- COP *: 3.7
- Source Water Flow Rate: 57 GPM
- Supply Water Flow Rate (Hot Water) 66 GPM

Standard Features

- High Efficiency Scroll Compressors(2)
- 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 Valve 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

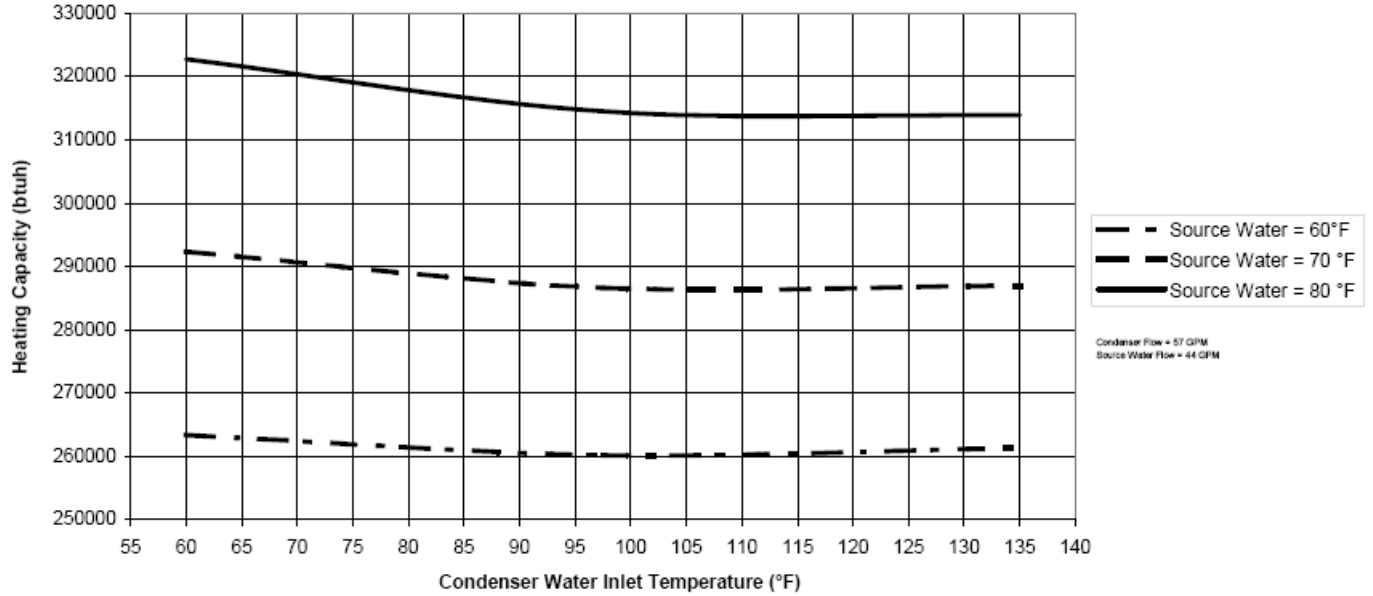
Model	Compressor (each)					MCA	MFS
	Volts	Hz	Ph	RLA	LRA		
WW-330 HTC	208/230	60	3	55.0	425	111	150
WW-330 HTD	460	60	3	32.1	187	65	90

MCA= Minimum Circuit Ampacity MFS=Maximum Fuse

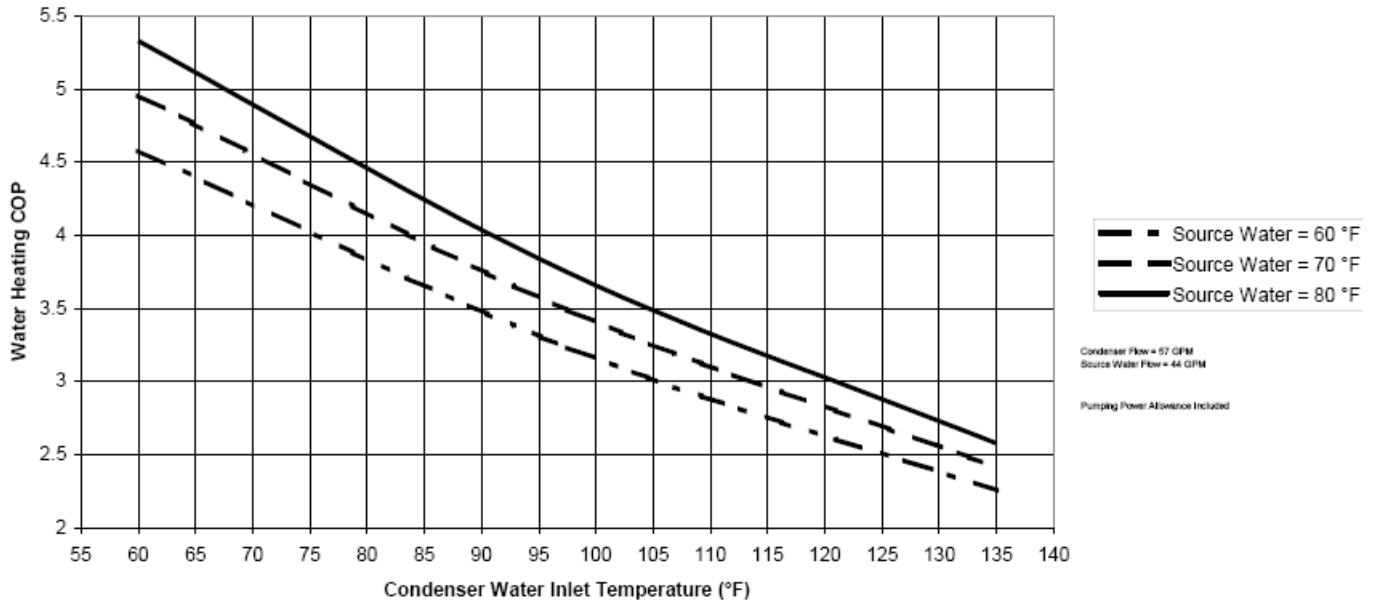
(Performance Curves and Dimensional Data on Reverse)

Performance Curves

WW-330 HT
Capacity vs. Inlet Water

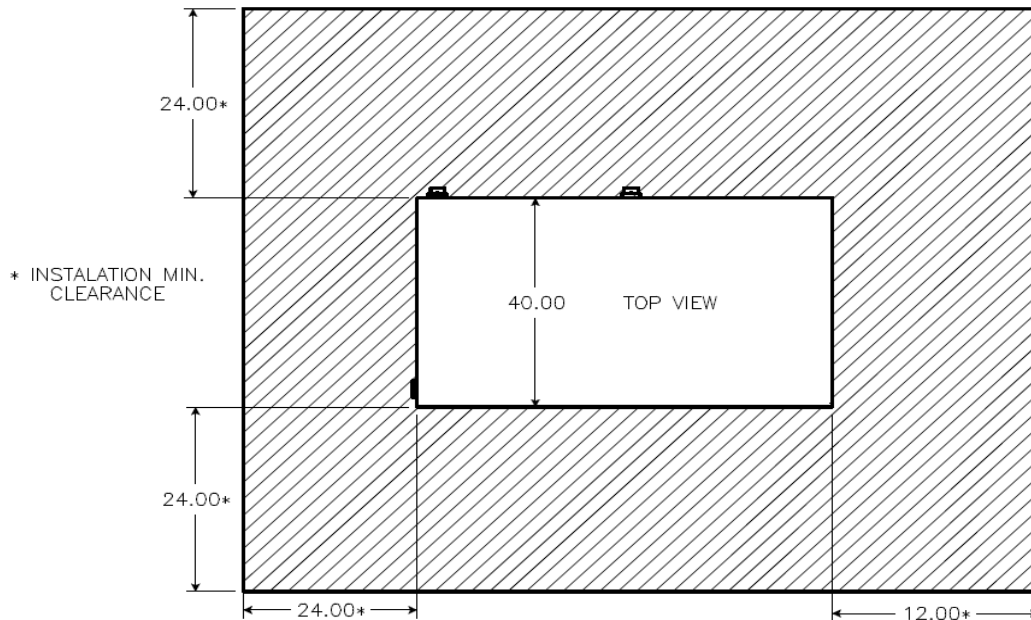
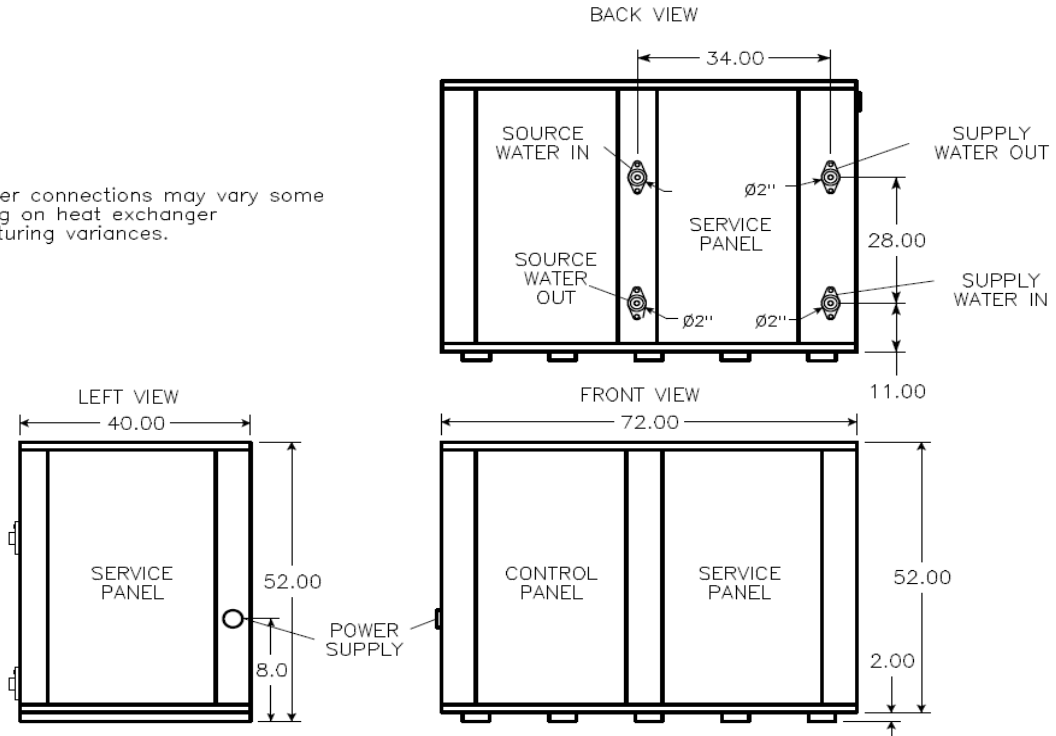


WW-330 HT
COP vs. Inlet Water



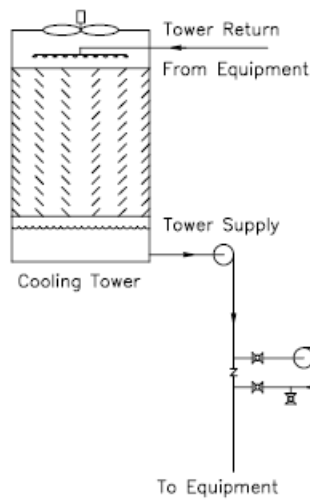
WW-330 Dimensional Data

NOTE:
Upper water connections may vary some depending on heat exchanger manufacturing variances.

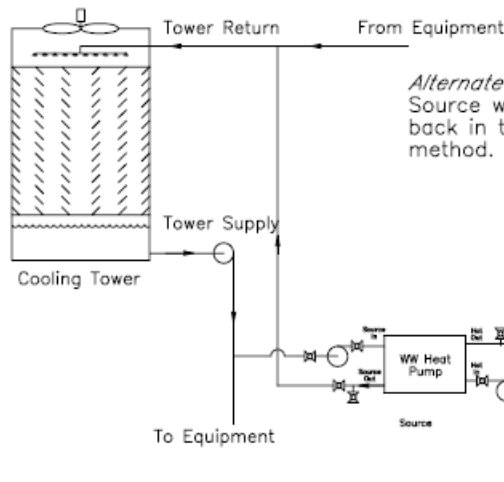


Ship Weight: 1580 Lbs.

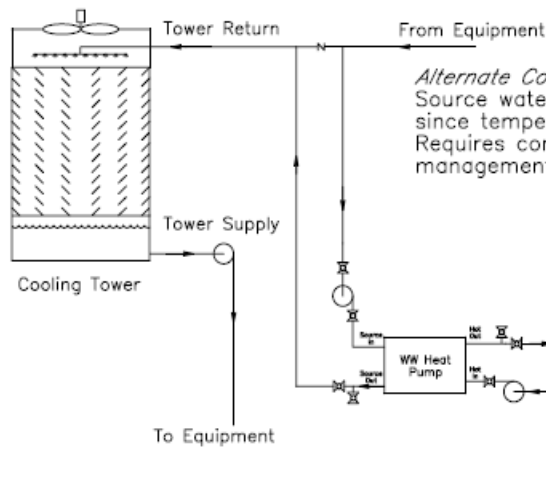
WW Connection Methods 020513050100



Preferred Connection Scheme:
Source water from tower supply. This water cooler than tower return, but temperature is more constant and stable operation easier to maintain. Directly reduces tower loading.



Alternate Connection Scheme #1:
Source water from tower supply. Source outlet put back in tower return. Same benefits as preferred method.



Alternate Connection Scheme #2:
Source water from tower return. Least desirable since temperature fluctuates with tower load. Requires constant source water flow rate management to keep from overloading heat pump.

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