

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-54 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 *: 54,000 BTUH
- Cooling Capacity *: 39,000 BTUH
- COP *: 3.7
- Source Water Flow Rate: 10 GPM
- Supply Water Flow Rate: 12 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 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)

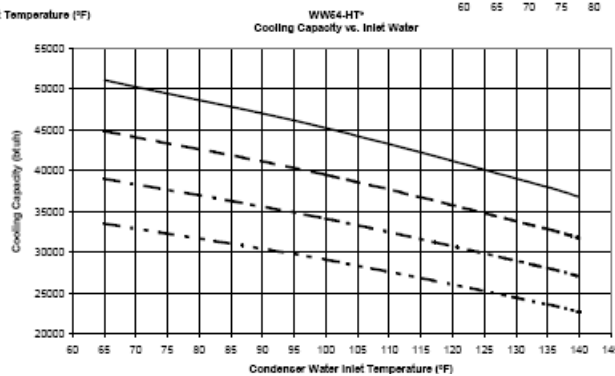
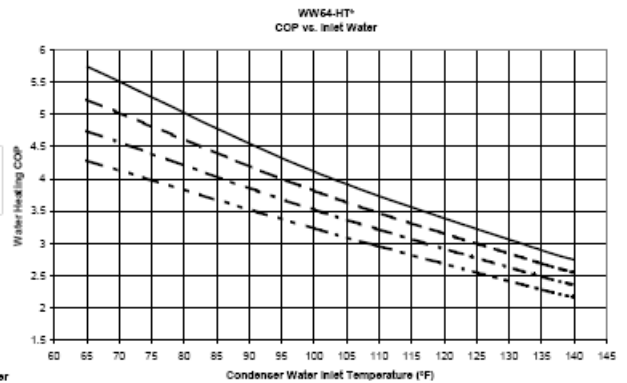
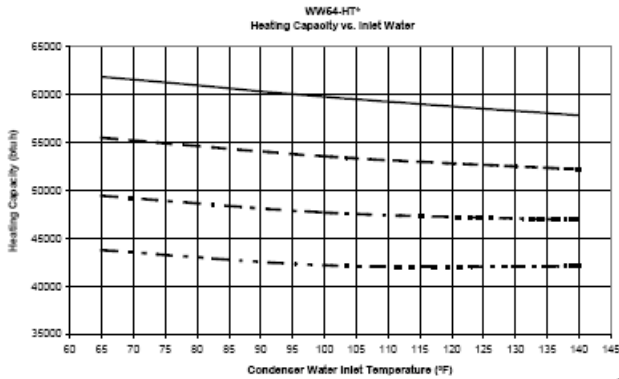
Electrical Characteristics

Model	Compressor					MCA	MFS
	Volts	Hz	Ph	RLA	LRA		
WW-54 HTC	208/230	60	3	20.7	128	26	40
WW-54 HTD	460	60	3	10.0	63	13	20

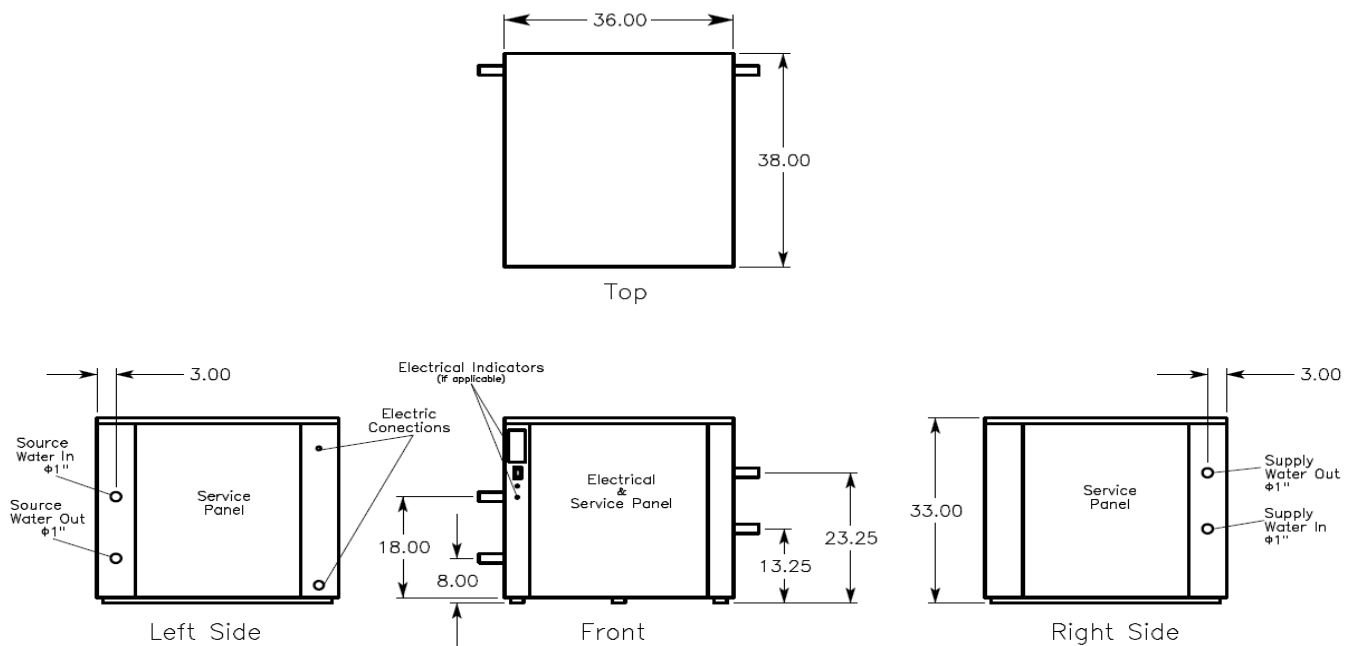
MCA= Minimum Circuit Ampacity MFS=Maximum Fuse

(Performance Curves and Dimensional Data on Reverse)

Performance Curves



WW-54 Dimensional Data



Ship Weight: 475 Lbs.

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