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## CAPACITY TESTS OF A HEAT SIPHON HEAT PUMP POOL HEATER MODEL NUMBER Z375HP SERIAL 13H027

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### General

This Report gives the results of a High and Low Temperature Capacity Tests for a Heat Siphon Heat Pump Pool Heater Model Z375HP Serial 13H027. The work was authorized by Quote No. 500478109 and testing was coordinated through company representative, Mr. Bill Bernardi.

The client supplied the sample, which was assumed to be in new condition.

### Test Method

The Capacity Tests were conducted in accordance with ANSI/ASHRAE Standard 146-2006, and AHRI Standard 1160(I-P) - 2009.

The pool heater had water piped to it and psychometric samplers were put next to the unit to measure the ambient temperature.

- Notes: (1) The results contained in the report are for technical evaluation only and are Applicable only to the specific test specimen referenced within the report.
- (2) The tests reported have not been performed at the request of the Air – Conditioning, Heating, and Refrigeration Institute, and use of these finding by United States Thermo Amp, Inc. in any advertising or other literature shall state that the test is not part of the AHRI Certification Program.

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**Results of Capacity Tests Model Z375HP**

	High Temperature	Low Temperature
<b>Air Temperatures, °F Adjacent to Inlet of Test Unit</b>		
Indoor, Dry-Bulb	80.65	50.00
Indoor, Wet-Bulb	71.20	44.30
Barometer, Hg	28.552	28.568
<b>Water Temperatures, °F</b>		
Water Temperature Inlet	80.00	80.15
Water Temperature Outlet	84.15	83.10
Water Flow rate, GPM	41.33	41.28
<b>Electrical Input</b>		
Test Voltage, volts	231	231
Line Current, amps	19.0	20.5
Power Input, watts	4,259	4,584
<b>Performance</b>		
Total Capacity, Btuh	86,763	61,176
Coefficient of Performance	5.97	3.91

**Conclusion**

The results of these tests are for technical evaluation by United States ThermoAmp, Inc. only and are applicable only to the specific test specimens described.

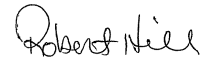
Date of Tests: September 13, 2013

Tests Performed by:

Report Approved by:



John Rowe  
Technician Team Leader



Robert Hill  
Senior Engineer