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**CAPACITY TESTS OF A UNITED STATES THERMOAMP HEAT SIPHON HEAT PUMP POOL HEATER
MODEL NUMBER Z575HP
SERIAL NUMBER 11K013**

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General

This Report gives the results of a High and Low Temperature Capacity Test for a HEAT SIPHON Model Z575HP / Serial 11K013 Heat Pump Pool Heater. The work was authorized by Quote No. 500341182 and testing was coordinated through client's representative, Mr. Nathan Yacobucci.

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 findings by United States ThermoAmp, 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 Tests

	High Temperature	Low Temperature
Air Temperatures, °F Adjacent to Inlet of Test Unit		
Indoor, Dry-Bulb	81.00	50.10
Indoor, Wet-Bulb	71.52	44.34
Barometer, Hg	28.678	28.731
Water Temperatures, °F		
Water Temperature Inlet	79.91	79.80
Water Temperature Outlet	84.13	82.78
Water Flow rate, GPM	54.01	53.92
Electrical Input		
Test Voltage, Volts	228	228
Line Current, Amps	26.2	26.3
Power Input, Watts	5,654	5,665
Frequency, Hertz	60	60
Performance		
Total Capacity, Btuh	114,069	80,563
Coefficient of Performance	5.913	4.168

114069 X 1.05 = 119771
5.913 X 1.05 = 6.21

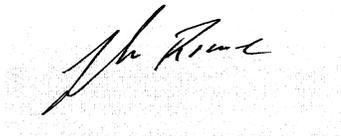
80563 X 1.05 = 84591
4.168 X 1.05 = 4.38

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.

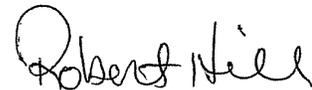
Date of Tests: November 15, 2011

Tests Supervised by:



John Rowe
Technician Team Leader

Report Approved by:



Robert Hill
Project Engineer