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**CAPACITY TESTS OF A HEAT SIPHON HEAT PUMP POOL HEATER
60 HERTZ MODEL NUMBER Z200HP
SERIAL NUMBER 131014**

United States ThermoAmp, Inc.
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General

This Report gives the results of a High and Low Temperature Capacity Test for a HEAT SIPHON Model Z200HP / Serial 131014 Heat Pump Pool Heater. The work was authorized by Quote No. 500341182 and testing was coordinated through client's 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 findings by United States ThermalAmp, 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	80.53	50.13
Indoor, Wet-Bulb	71.23	44.48
Barometer, Hg	28.8373	28.8100
Water Temperatures, °F		
Water Temperature Inlet	80.23	80.17
Water Temperature Outlet	83.0	82.15
Water Flow rate, GPM	30.44	30.44
Electrical Input		
Test Voltage, Volts	231	229
Line Current, Amps	10.23	10.17
Power Input, Watts	2,327	2,290
Frequency, Hertz	60	60
Performance		
Total Capacity, Btuh	42,410	30,877
Coefficient of Performance	5.34	3.95

$42410 \times 1.05 = 44530$
 $5.34 \times 1.05 = 5.607$

$30877 \times 1.05 = 32421$
 $3.95 \times 1.05 = 4.1475$

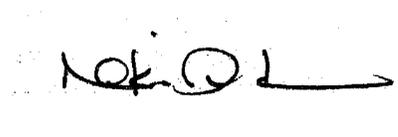
Conclusion

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

Date of Tests: January 29, 2014

Tests Supervised by:

Report Approved by:

John Rowe
 Technician Team Leader

Mike Pendell
 Associate Engineer

on 1/30/14 wpb sent an email to john rowe containing the revised official nameplate for this test see next page

MADE IN USA

HEAT SIPHON®

MODEL: Z200HP

POWER REQ'D: 208-230 1Ø 60Hz

MAX. CIRCUIT BREAKER: 30 AMPS

MCA: 19.8 AMPS

SERIAL NO.

Z Series
R410A



COMPRESSOR: 14.1 RLA 73 LRA

FAN MOTOR: 2.1 RLA .39 HP

FACTORY CHARGED: 3.10 lbs R410A

DESIGN PRESS : 475 PSIG (HIGH AND LOW SIDE)

BTU OUTPUT: 44,500 BTUH @ 80°F H2O/ 80°F AIR

NOT INTENDED FOR 50 Hz Operation

LOW AIR COP > 4.0 AT 50°F/63%RH/80°F WATER

RATED IN ACCORDANCE WITH ARI STD. 1160



CONFORMS TO UL STD 1995

CERTIFIED TO CAN/CSA

STD C22.2 NO. 236



OUTDOOR USE

DIRECT CONNECTION TO SCH40 PVC PIPE PERMITTED

USE COPPER CONDUCTORS ONLY(ELECTRIC)

CAUTION: SINGLE WALL HEAT EXCHANGER,

NOT SUITABLE FOR POTABLE WATER

CSA CERTIFICATION IS LIMITED TO 60 HZ ONLY

ATTENTION: ECHANGEUR DE CHALEUR PAROI SIMPLE

NE PAS RACCORDER DES CONDUITES D'EAU POTABLE.

For More Technical Info. Visit - WWW.HEATSIPHON.COM

United States ThermoAmp Inc.

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