



ENVISION™
POOL HEATER



Submittal Data
English Language
IP/Metric Units
SD1009PN 04/13

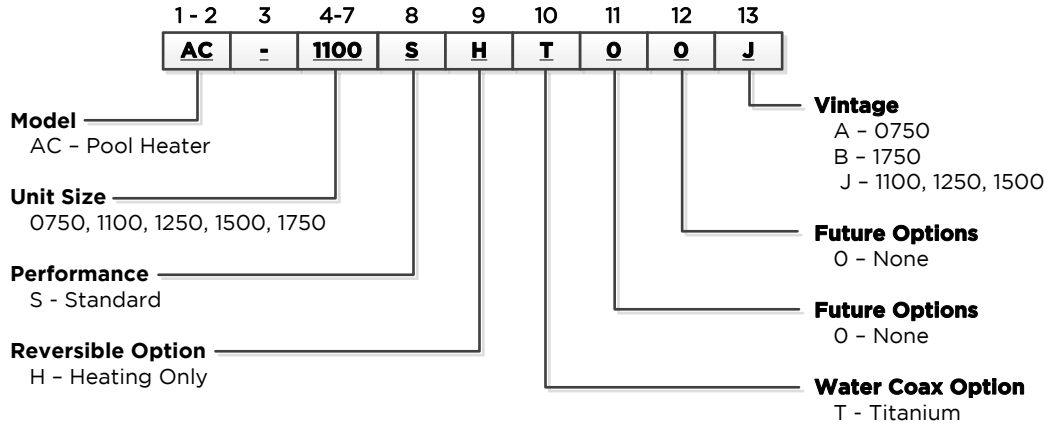
Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Nomenclature



Rev.: 18 April 2013D

WaterFurnace works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice. Please contact WaterFurnace at 1-800-929-2837 for latest design and specifications. Purchaser's approval of this data set signifies that the equipment is acceptable under the provisions of the job specification. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely WaterFurnace's opinion or commendation of its products. The latest version of this document is available at www.waterfurnace.com.



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Performance Data

Model	GPM	High Ambient		Low Ambient	
		EWT 80°F EAT 80.6/70.7°F		EWT 80°F EAT 50/44.2°F	
		Capacity BTUH	COP	Capacity BTUH	COP
0750	22	50,000	6.0	31,000	4.0
1100	37	79,000	5.6	52,000	4.0
1250	40	85,000	5.5	58,000	4.0
1500	50	109,000	5.3	80,000	4.0
1750	56	119,000	5.3	83,000	4.0

04/19/13

Note: All Envision Series Pool Heaters are safety listed under UL1995 through ETL, and performance tested in an accredited ISO 17025 laboratory in accordance with, but not certified under AHRI standard 1160.



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General Specifications

Operation Range - Unit shall be capable of operating continuously down to 40°F entering air temperatures.

Cabinet and Base - Polymer

Refrigerant Circuit - Each unit shall have a sealed R-410A refrigerant circuit, thermal expansion valve, and high/low side access valves.

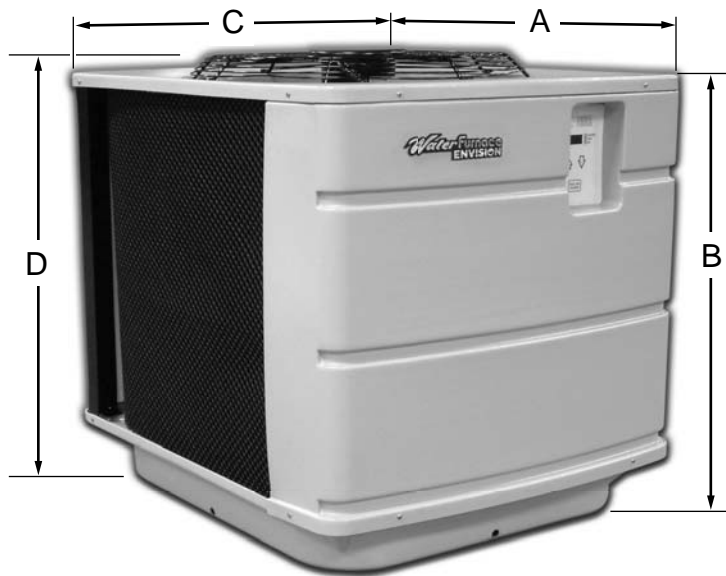
Compressor - PSC motor, hermetically sealed with overload protection and mounted on rubber vibration isolators. High-efficiency compliant scroll designed for heat pump duty.

Coaxial Heat Exchanger - 2 in. PVC outer tube, titanium inner tube

Electrical - High and low pressure safety switches, compressor relay, 24 volt 75VA transformer with circuit breaker.

Controls - Field installed low voltage temperature controls required. Factory installed low voltage terminal strip provided to facilitate field connection of control wiring.

Dimensional Data



Model	A	B	C	D	Water Connections
0750	32.9	24.5	38.0	26.0	2" ID PVC UNION
1100-1750	32.9	32.5	38.0	34.0	2" ID PVC UNION

NOTE: All dimensions are in inches.

04/11/13

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Physical Data

Model	0750	1100	1250	1500	1750
Compressor	Reciprocating			Scroll	
Ref. Charge - R-410A (oz.)	56 [1.59]	64 [1.81]	60 [1.70]	76 [2.15]	83 [2.35]
Weight - lbs	211	251	253	293	291

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Electrical Data

Model	Rated Voltage	Voltage Min/Max	Compressor			Fan Motor FLA	Total Unit FLA	Min Circ Amp	Max Fuse/HACR
			MCC	RLA	LRA				
0750	208-230/60/1	187/253	20.5	11.6	74.0	2.8	14.4	17.3	25
1100			33.0	21.1	105.0	2.8	23.9	29.2	50
1250			36.0	23.0	130.0	2.8	25.8	31.6	50
1500			45.0	29.0	130.0	2.8	31.8	39.1	60
1750			42.0	26.9	145.0	2.8	29.7	36.4	60

NOTES: HACR circuit breaker in USA only

04/11/13



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Revision Guide

Pages:	Description:	Date:	By:
2	Added Nomenclature	19 Apr 2013	DS
3	Added Performance Data	19 Apr 2013	DS
4	Updated Dimensional Data	19 Apr 2013	DS
5	Updated Physical Data	19 Apr 2013	DS
5	Updated Electrical Data	19 Apr 2013	DS
6	Added Revision Guide	19 Apr 2013	DS