



WaterFurnace International, Inc.
9000 Conservation Way
Fort Wayne, IN 46809

ENVISION™ Pool Heater

Submittal Data **AC-1750A**

Type: Air-to-Water

Size: AC-1750A

Purchaser's approval of this drawing signifies that the equipment is acceptable under the provisions of the job specifications.

Contractor: _____
P.O.: _____
Engineer: _____
Project Name: _____
Unit Tag: _____

General Specifications

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

Cabinet and Base - Polymer.

Insulation - 1/2" thick multi-density glass fiber.

Insulated Refrigerant Circuit - Each unit shall have a sealed R-410A refrigerant circuit with a 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 - Stainless steel outer tube, cupro-nickel 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.

Performance @ 80°F EWT/63% relative humidity

Ambient Temp. °F	BTUH	COP
80	125,000	5.0
70	112,000	4.6
60	99,500	4.2

Dimensional Data



Model	A	B	C	D	Load Water Connections	Source Water Connections
AC-1750A	32.9	32.51	38.05	34.03	2" ID PVC UNION	2" ID PVC UNION

Note: All dimensions are in inches.

Physical Data

Model	AC-1750A
Compressor	Scroll
Ref. Charge - R-410A (oz.)	103
Unit Weight (lbs.)	293

Electrical Data

Model	Rated Voltage	Voltage Min/Max	Compressor		Fan Motor FLA	Total Unit FLA	Min Circ Amp	Max Fuse/HACR
			RLA	LRA				
AC-1750A	230/60/1	207/254	34.5	145.0	2.8	37.3	45.9	80

Notes: HACR circuit breaker in USA only. All fuses Class RK-5.