



ENVISION™

POOL HEATER

AC-1750B



Submittal Data
English Language
IP/Metric Units
SD1009PN 07/10

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

**ENVISION Pool Heater
 AC-1750B**



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 with a reversing valve, 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.

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-1750B | 32.9 | 32.51 | 38.05 | 34.03 | 2" ID PVC UNION | 2" ID PVC UNION |

NOTE: All dimensions are in inches.

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Physical Data

| Model | AC-1750B |
|----------------------------|----------|
| Compressor | Scroll |
| Ref. Charge - R-410A (oz.) | 83 |
| 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-1750B | 230/60/1 | 207/254 | 26.9 | 134.0 | 2.8 | 29.7 | 36.4 | 60 |

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