**Aquatherm Heat Pump**

**Solar Series 2000**

**AT400 & AT600**

- **Digital Logic Control™**
  - Dual Thermostat
  - Self Diagnostic Readout
  - Optional: "Smart" Time Clock Override

- **PC Logic Card**
  - Computer Chip Circuitry
  - Aqualink™ & Compool™ - Interface Terminals
  - Smart Defrost Control

- **Fan Cowling-Venturi**
  - Super Quiet Running
  - Maximizes Air Flow Velocity
  - Reduces Operational Costs

- **Corrosion Proof**
  - ABS Cabinet
  - Will Not Rust, Fade or Crack
  - Sealed Electrical Compartment

- **Automatic Bypass**
  - Internal Self Adjusting Bypass Valve
  - 2" Full Flow Plumbing

- **Cupronickel Alloy Heat Exchanger**
  - Chemical Resistant Alloy Water Passage
  - with Hardened Copper Exterior
  - Super Corrosion Resistant "Inside & Out"

- **Scroll™ Compressor**
  - The Most Efficient Compressor Available
  - Equipped With A Exclusive Refrigerant Receiver Tank

- **Remote Control Option**
  - "Identical" Remote Control Panel up to 150 Feet Away
  - You Have Full Remote Control Of:
    - Heat Pump
    - Thermostats
    - Water Pump
    - Timer Override
    - Pool/Spa Actuator Motors

**© 2001 Aquatherm Heat Pumps**
Heat pump output and efficiency vary with weather conditions. The blue & red lines illustrate the optimum peak performance rating typical of the Florida climate. The yellow & green lines illustrate the A.S.H.R.A.E. standard performance rating.

* Optimum output & efficiency typical of Florida conditions. Ratings outside the scope of P.H.P.M.A. heat pump pool heater certification program.


## SOLAR SERIES 2000 AT600 & AT400 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>AT600</th>
<th>AT400</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTU Output</td>
<td>108,000*/102,000**</td>
<td>92,000*/84,000**</td>
</tr>
<tr>
<td>Coefficient of Performance</td>
<td>6.0*/4.9**</td>
<td>6.4*/5.5**</td>
</tr>
<tr>
<td>Copeland Scroll™ Compressor</td>
<td>ZR67 w/ Receiver Tank</td>
<td>ZR54 w/ Receiver Tank</td>
</tr>
<tr>
<td>Heat Exchanger Condenser</td>
<td>Cupronickel Alloy-Water / Copper-Exterior</td>
<td></td>
</tr>
<tr>
<td>Air Coil Evaporator</td>
<td>Oversized: Copper Tube w Lanced Fin</td>
<td></td>
</tr>
<tr>
<td>Fan Motor</td>
<td>1/4 H.P. @ 1.6 Amps</td>
<td></td>
</tr>
<tr>
<td>Air Flow</td>
<td>4000 C.F.M. w/ Cowling Venturi</td>
<td></td>
</tr>
<tr>
<td>Kilowatt Input</td>
<td>5.8 Kw/Hour</td>
<td>4.4 Kw/Hour</td>
</tr>
<tr>
<td>Electrical (208/240v/60Hz) Single Phase</td>
<td>Single Phase</td>
<td></td>
</tr>
<tr>
<td>Typical Running Amps</td>
<td>27.4 Amps</td>
<td>20.4 Amps</td>
</tr>
<tr>
<td>Minimum Circuit Ampacity</td>
<td>37 Amps</td>
<td>35 Amps</td>
</tr>
<tr>
<td>Min/Max Breaker Size</td>
<td>40/50 Amps</td>
<td>35/40 Amps</td>
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<tr>
<td>Min/Max Water Flow</td>
<td>20/70 GPM</td>
<td>20/70 GPM</td>
</tr>
<tr>
<td>Refrigerant Charge</td>
<td>R22</td>
<td></td>
</tr>
<tr>
<td>Water Plumbing</td>
<td>2” Full Flow w Internal Automatic Bypass</td>
<td></td>
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<tr>
<td>Cabinet Construction</td>
<td>Corrosion Proof Molded ABS</td>
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<tr>
<td>Ship Weight</td>
<td>305 Lbs.</td>
<td>279 Lbs.</td>
</tr>
<tr>
<td>Dimensions</td>
<td>35H x 31W x 34L</td>
<td>29H x 31W x 34L</td>
</tr>
</tbody>
</table>

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Manufactured by:

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