Solaraide™ HE Solar Heat Exchanger, Solar Tank, or Electric Storage Water Heater

Available in 80 Gallon Models

▷ 6-Year Limited Tank and Parts Warranty*

- Brass drain valve
- Choice of two models...storage tank or single element water heater, both specially equipped for installation with residential direct solar systems
- Patented R-Foam insulation process
- Temperature and pressure relief valve included
- Collector feed and return fittings located at front of tank for convenient installation
- Isolated tank design for better heat retention
- High efficiency heating element
- Rheemglas® tank lining resists corrosion and prolongs tank life
- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Anode rod equalizes aggressive water action for prolonged tank life
- Cold water inlet, hot water outlet, relief valve and anode rod at top of tank for easy access and fast, economical installation
- Automatic temperature control
- Over temperature protector

*See Residential Warranty Information Brochure for complete warranty information.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ROUGHING IN DIMENSIONS (SHOWN IN INCHES)</th>
<th>ENERGY INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE</td>
<td>GAL. CAP.</td>
<td>MODEL NUMBER</td>
</tr>
<tr>
<td>80</td>
<td>81V80HE-1</td>
<td>6000 W</td>
</tr>
<tr>
<td>80</td>
<td>81V80HE-T</td>
<td>Storage only</td>
</tr>
</tbody>
</table>

- Heaters furnished standard 240 volt AC.
- Units are shipped with a 4500 watt element. If heating elements of different wattages than those shown are demanded by zone requirements, they must be specifically requested.
- To prevent corrosion, proper pH levels in transfer fluid must be maintained.
- Solaraide models meet all current state requirements for solar storage tanks.
- The tanks are Rheemglas lined and are designed to operate up to 150 PSI.

A special 1/2" NPT opening is provided for installation of a "probe type" thermostat.

COPPER COIL DATA (Type L Copper)
Maximum pressure = 150 psi
Maximum temperature = 185°F.
Tube I.D. = 5/8"

<table>
<thead>
<tr>
<th>Solaraide HE Tank Capacity</th>
<th>Coil Capacity Gallons</th>
<th>Length of Tubing Around Tank (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 Gallons</td>
<td>2.2</td>
<td>120</td>
</tr>
</tbody>
</table>

PRESSURE DROP THROUGH COIL (Feet of H2O)

<table>
<thead>
<tr>
<th>Flow Rate</th>
<th>Head Loss (Feet) 80 Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GPM</td>
<td>1.3</td>
</tr>
<tr>
<td>2 GPM</td>
<td>4.8</td>
</tr>
<tr>
<td>3 GPM</td>
<td>10.0</td>
</tr>
</tbody>
</table>

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.

Rheem Water Heaters • 101 Bell Road, Montgomery, Alabama 36117 • www.rheem.com

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