



Available in 80 Gallon Models

➤ 6-Year Limited Tank and Parts Warranty

- A special 1/2" NPT opening is provided for installation of a "probe type" thermostat.
- Anode rod equalizes aggressive water action for prolonged tank life
- Automatic temperature control
- Brass drain valve
- Choice of two models...storage tank or single element water heater, both specially equipped for installation with residential direct solar systems
- Cold water inlet brings cold water to tank bottom to prevent mixing with heated water
- Cold water inlet, hot water outlet, relief valve and anode rod at top of tank for easy access and fast, economical installation
- Collector feed and return fittings located at front of tank for convenient installation
- Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate electricity 8.41¢/KWH.
- High efficiency heating element
- Isolated tank design for better heat retention
- Over temperature protector
- Patented R-Foam® insulation process
- Porcelain enamel lining resists corrosion and prolongs tank life



| DESCRIPTION | | | | DIMENSIONS | | | ENERGY INFORMATION |
|----------------|-----------|---|-----------------------|---------------|------------|-------------------------|--------------------|
| CONN. LOCATION | GAL. CAP. | MODEL NUMBER | MAXIMUM WATTAGE UPPER | TANK HEIGHT A | DIAMETER B | APPROX. SHIP WT. (LBS.) | APPROX. R-FACTOR |
| Side | 80 | 81V80HE-1 RSPE80-HE-1 ^{1,2,3,4,5,6} | 6000 W | 58-3/4 | 24-1/2 | 192 | R-17.3 |

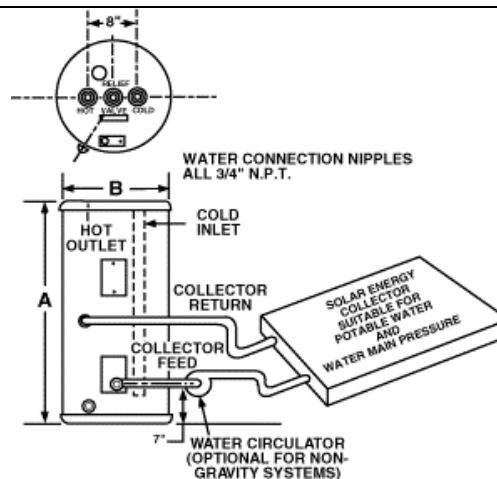
¹For single element, change "D" to "S".
²Heaters furnished standard 240 volt AC.
³Solaraide models meet all current state requirements for solar storage tanks.
⁴The tanks are porcelain enamel lined and are designed to operate up to 150 PSI.
⁵To prevent corrosion, proper pH levels in transfer fluid must be maintained.
⁶Units 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.

COPPER COIL DATA (Type L Copper)

Maximum pressure = 150 psi
 Maximum temperature = 185°F
 Tube I.D. = 5/8"

| Solaraide HE Tank Capacity | Coil Capacity Gallons | Length of Tubing Around Tank (Ft) |
|----------------------------|-----------------------|-----------------------------------|
| 80 | 2.2 | 120 |

| PRESSURE DROP THROUGH COIL (Feet of H ₂ O) | |
|---|----------------------------|
| Flow Rate | Head Loss (Feet) 80 Gallon |
| 1 GPM | 1.3 |
| 2 GPM | 4.8 |
| 3 GPM | 10 |



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