



SunEarth

THE SOLARSTATION HX-DB

SOLAR PUMP STATION SPECIFICATION SHEET

Applications



Solar Water Heating

Technical Specifications

Model	100005-6DB
Maximum Collector Area	160 ft ²
Maximum Nominal Pipe Size	3/4 in.*
Maximum Solar Plumbing Run	75 ft.
Maximum Static Head	25 ft.
Input Voltage	120 VAC
Maximum Pump Power	128 W
Maximum 1/2 in. Potable Run	50 ft.

*40 square foot system uses 1/2 inch collector plumbing.

Materials

Insulation: Expanded Polypropylene
 Heat Exchanger: 316 Stainless Steel Plates
 Plumbing: Type M Copper Pipe
 Potable Pump: Stainless Steel Wetting Surfaces
 Solar Pump: Stainless Steel Wetting Surfaces

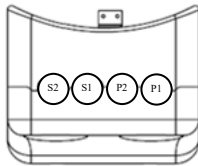
Integrated Differential Control



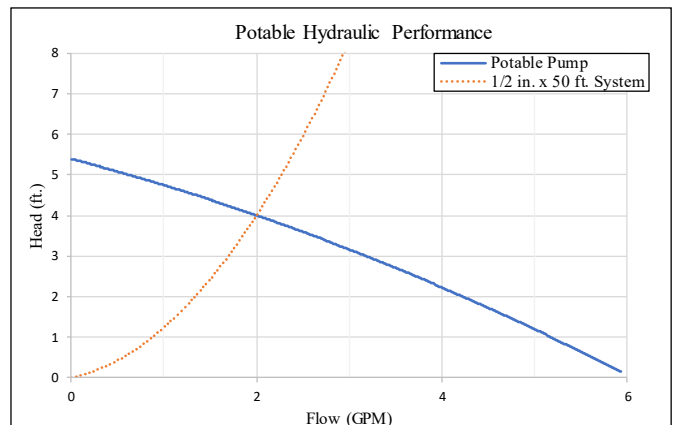
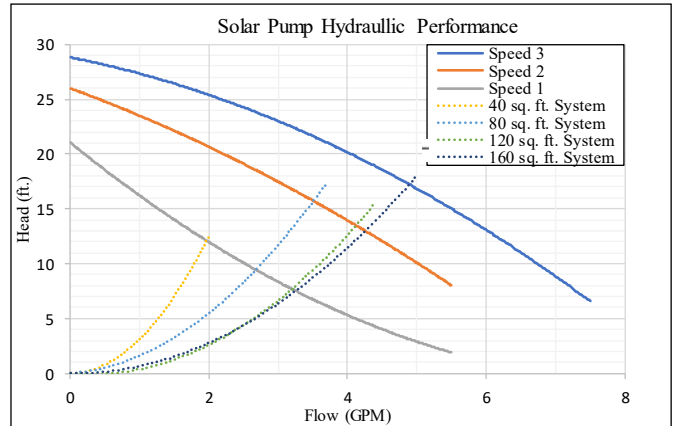
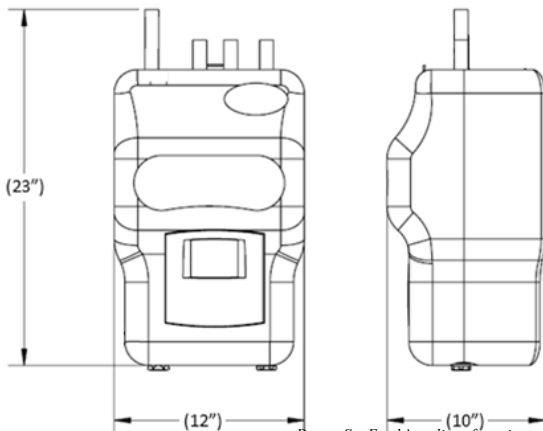
Available Models

- 100005-6DB, Drainback

Technical Information



- (S2) SOLAR OUT
- (S1) SOLAR IN
- (P2) POTABLE OUT
- (P1) POTABLE IN



Due to SunEarth's policy of continuous product improvement, specifications are subject to change without notice.



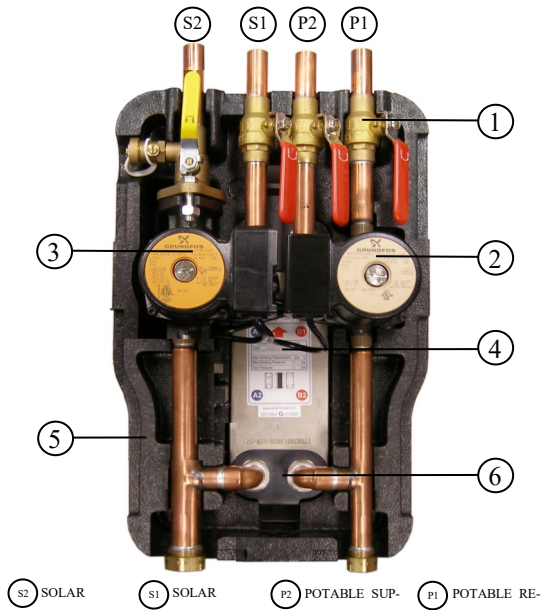
SunEarth

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Features & Components:



The SolarStation HX-DB is SunEarth's preferred residential solar thermal pump station. Multi speed pumps allow flow speed tuning for optimal performance. Strong soldered and gasketed connections extend product life. Completely contained unit can function with most tanks. Factory assembled and hydraulically tested to ensure leak free installation every time.

1. SERVICE VALVES: Ball drain valves eliminate dozens of leak paths, allowing for trouble-free flushing, draining and filling of Solar and potable circuits. Four service drains for easy heat exchanger flushing.

2. POTABLE WATER PUMP: Potable pump utilize composite impellers with stainless steel volute. Integrated check valves prevent unwanted heat migration .

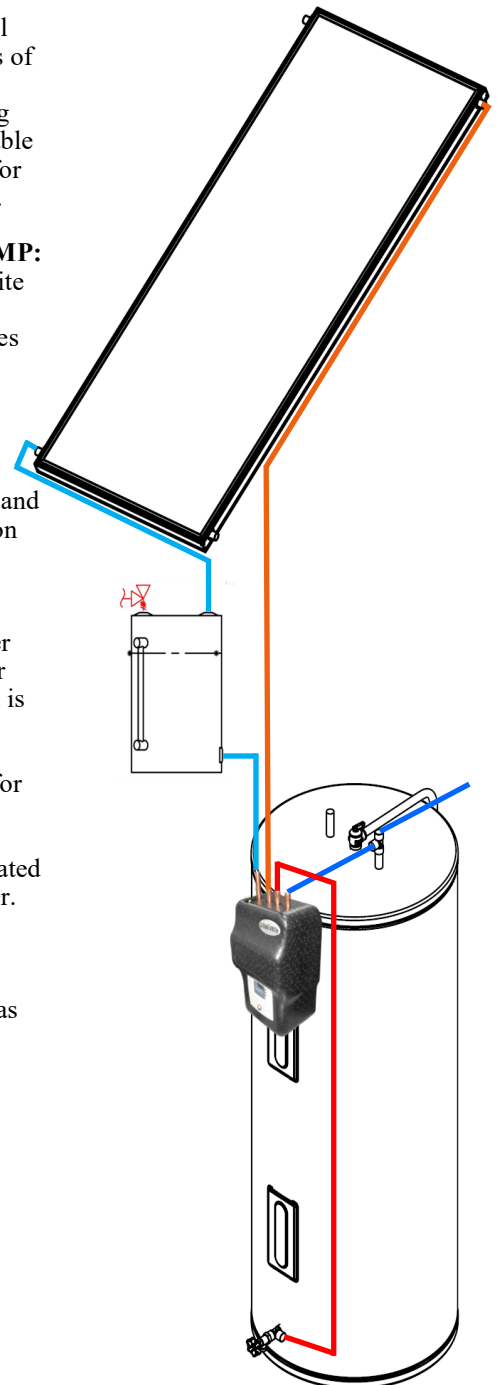
3. SOLAR PUMP: Solar pump utilize composite impellers and stainless steel volute and multiple speed settings provide the ability to tune the solar system for optimal operation rates.

4. BRAZED PLATE HEAT EXCHANGER: manufactured from corrosion resistant 316L Stainless Steel. Channel design promotes turbulent flow for superior heat transfer through a range of flow rates. Insulated cover ensures heat remains with the system for maximum efficiency. Built in stainless filters ensure scale is trapped in flush ports and is never introduced into the precision fluid channels of the heat exchanger.

5. INSULATION: Custom expanded poly propylene cover minimizes system losses for maximum solar thermal efficiency.

6. INTEGRATED MOUNTING BRACKETS: Trouble-free installation with integrated mounting brackets. Quickly mount on a tank or a wall by installing solar station hanger. Simple enough for a single installer, robust design for longevity.

7. STANDARD AND SOLAR TANK INSTALLATIONS: The new all inclusive SolarStation HX-DB can be installed on standard tanks such as electric or natural gas as well as solar specific tanks. Perfect for quick and easy retrofits or new designs.



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