



Collector Data	
Number of Tubes	30
Dimensions	96" x 79"
Absorber area	44.75 ft ²
Volume of fluid	~ 0.5 gal
Evacuated Tube Data	
Glass specification	Borosilicate glass
Absorptive Coefficient	92%
Outer glass tube diameter	2.28"
Inner glass tube diameter	1.85"
Thickness of vacuum	5 x 10 ⁻² Pa
Manifold Fluid Content	water/glycol 1/1
Max operating pressure	87 psi
Recommended flow rate	1.2 GPM
Selective coating	C/S/ AL/N/AL on glass

Evacuated tube integrated with heat pipe:	
Length of the tubes	70.8"
Emissivity coefficient	8%
Material of the heat pipe	Copper
Stagnation temperature	482° F
Maximum service temperature	257° F
Hail resistance	Up to ~1" in diameter
Casing and frame components	
Header casing	Anodized aluminum
Frame material	Stainless Steel
Manifold insulation	Rock Wool
Thickness of insulation	2.36"
Internal manifold piping	Copper
Install Angle Range	11° - 90°
Sealing material	Silicon



SRCC Certification Data

COLLECTOR THERMAL PERFORMANCE RATING							
Mega joules Per Panel Per Day				Thousands of Btu Per Panel Per Day			
CATEGORY (Ti-Ta)	CLEAR DAY 23 MJ/m ² ·d	MILDLY CLOUDY 17 MJ/m ² ·d	CLOUDY DAY 11 MJ/m ² ·d	CATEGORY (Ti-Ta)	CLEAR DAY 2000 Btu/ft ² ·d	MILDLY CLOUDY 1500 Btu/ft ² ·d	CLOUDY DAY 1000 Btu/ft ² ·d
A (-5°C)	50	38	25	A (-9°F)	47	36	24
B (5°C)	48	36	24	B (9°F)	46	34	22
C (20°C)	45	33	21	C (36°F)	43	31	19
D (50°C)	38	26	14	D (90°F)	36	25	13
E (80°C)	30	19	7	E (144°F)	29	18	7

A- Pool Heating (Warm Climate) B-Pool Heating (Cool Climate) C-Water Heating (Warm Climate) D- Water Heating (Cool Climate) E-Air Conditioning

Solar Hot Water Packages can be used with each of the (3) main types of heating systems.

Baseboard Heating – Integrates into existing radiators by preheating the water that will move throughout the system or specific zones.

In-Floor Radiant Heating- By installing heat loops under the floor or valve into existing loops, this will provide direct radiant heating where you need it.

Forced Hot Air Systems – By incorporating a water to air heat exchanger inside your furnace the solar hot water will be passed through a series of fins which will provide additional heat to your ductwork.



60 Tube Commercial/Home Heating and Domestic Water

Domestic Hot Water for 4 people and 25% + of heating for approx. 1800 ft²

Per SRCC: 62 BTU daily average output(*see note)



30 Tube Commercial/Home Heating and Domestic Water

Domestic Hot Water for 3-4 people and 25% + of heating for approx. 900 sq.ft²

Per SRCC: 31 BTU daily average output (*see note)

20 Tube Domestic Water with some residual heating available

Domestic Hot Water for 2-3 People and some heating (based on time of year)

Per SRCC: 21 BTU daily average output (*see note)

*Note: Package results are based on SRCC ratings and manufacturer testing, actual results may vary with individual installation.