

Product Description

Our glass tube heat collector with tank and stand is certified by the SRCC and UL. The TS40-HP is a great choice for commercial and residential solar water heating projects. The system offers a 10-year factory warranty against manufacturer’s defects on the evacuated tube collectors.



Technical Specification

Number of Evacuated Tubes	15
Length of Tubes	1800 mm
Outer Tube Diameter	58 mm
Tube Thickness	1.6 mm
Heating Element (UL)	240V/2400W
Absorptive Coating	Graded Al-N / Al
Absorbency	> 92% (AM 1.5)
Volumetric Capacity	40 gallons
Insulation	PUF, 55 mm

Aperture Area	24.5 ft ²
Outer Tank	304 Stainless Steel
Inner Tank	316 Stainless Steel
Tested Pressure	175 PSI
Working Pressure	87 PSI
Bracket Tilt Angle	Flush Mount or 30°
Weight Empty	239 lbs.
Weight Full	573 lbs.
Inlet and Outlet	¾ inch MNPT

SRCC Lab Testing Data – Thermal Performance

Kilowatt-hours Per Panel Per Day				Thousands of BTU Per Panel Per Day			
Category (Ti-Ta)	Clear Day (6.3kWh / m ² .day)	Mildly Cloudy (4.7kWh / m ² .day)	Cloudy Day (3.1kWh / m ² .day)	Category (Ti-Ta)	Clear Day (2000 Btu / ft ² .day)	Mildly Cloudy (1500 Btu / ft ² .day)	Cloudy Day (1000 Btu / ft ² .day)
A (-5°C)	6.4	4.9	3.5	A (-9°F)	21.8	16.7	11.9
B (5°C)	5.8	4.3	2.8	B (9°F)	19.8	14.7	9.6
C (20°C)	4.9	3.4	1.9	C (36°F)	16.7	11.6	6.5
D (50°C)	3.0	1.5	0.0	D (90°F)	10.2	5.1	0.0
E (80°C)	1.1	0.0	0.0	E (144°F)	3.8	0.0	0.0

A – Pool Heating (Warm Climate) B – Pool Heating (Cool Climate) C – Water Heating (Warm Climate) D – Space & Water Heating (Cool Climate) E – Commercial Hot Water & Cooling