

Solar thermodynamic equipment

GTP

Solar thermodynamic equipments designed for installations of heating pools.

The **GTP** is an innovative heating system of high energy efficiency based on the heat pump system with solar gain which uses a thermodynamic panel as evaporator able to collect solar and environmental energy achieving an increase the overall system performance. This is a compact system that includes a **titanium heat exchanger** suitable for pool heating.

Model	Units	GTP04	GTP06	GTP08	GTP12
Nominal heating capacity *	kW	8.6	10,8	14,4	17,3
Absorbed intensity	A	5.5	7	11.8	13.9
Nominal power input of the compressor	kW	1,2	1,5	2,4	2,7
Power input	V/ph/Hz	230 / 1 / 50			
Number of panels	Ud.	4	6	8	12
Compressor type		Piston		Scroll	
Water connection (inlet/outlet)	Pulg.	1			
Minimal water flow in the condenser	l/s	0,92	1,11	1,44	1,72
Panel weight	kg	6.2			
Unit dimensions (height / depth / width)	mm	880 / 500 / 750			
Collection surface	m ²	10,9	16,3	21,8	32,6

Model	Units	GTP16	GTP24
Nominal heating capacity *	kW	27,4	38,1
Absorbed intensity	A	6.7	9.3
Nominal power input of the compressor	kW	3,7	5,2
Power input	V/ph/Hz	380 / 3 / 50	
Number of panels	Ud.	16	24
Compressor type		Scroll	
Minimal water flow in the condenser	Pulg.	1	
Minimal water flow in the condenser	l/s	2,72	3,84
Panel weight	kg	6.2	
Unit dimensions (height / depth / width)	mm	1000 / 600 / 1000	
Collection surface	m ²	43,5	65,3



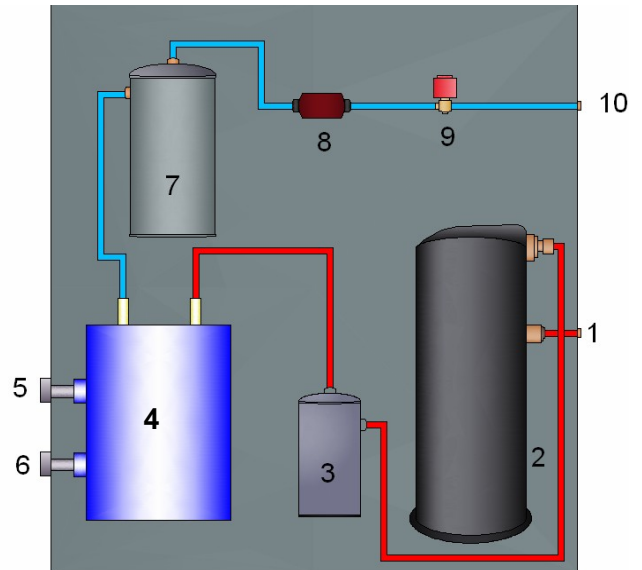
* Heating: Condensing temp. =35 °C /Evaporating temp. = 7.2 °C.



TECHNICAL SPECIFICATIONS

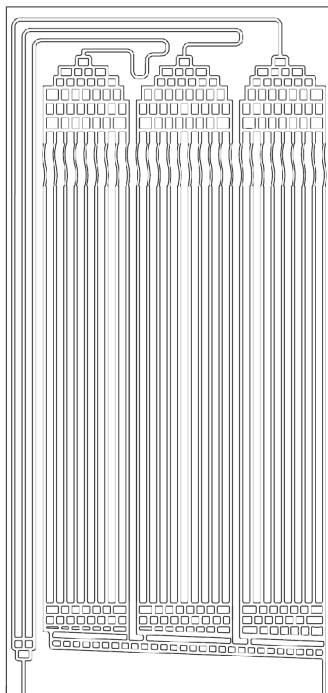
- Thermodynamic panels double side inflated
- Compact unit in steel lacquered casing
- High efficient compressor
- Refrigerant gas R407C
- Titanium heat exchanger
- Electronic expansion valve
- Units tested
- All the equipments are tested at the factory before sending
- Catching of both solar and ambiental heats

COMPONENTS



1. Gas inlet (from the panels)
2. Compresor Scroll
3. Oil separator
4. Titanium heat exchanger
5. Pool water inlet
6. Hot water outlet
7. Liquid receiver
8. Filter.drier
9. Electronic expansion valve
10. Liquid outlet (to the panels)

THERMODYNAMIC PANEL DIMENSION



1700 x 800x 25 mm

