

Thermodynamic solar equipment

THERMBOIL E SERIES

Thermodynamic solar equipment for domestic hot water

The **THERMBOIL E** is an innovative water heater, based on the system of heat pump which uses a solar panel as system of evaporation. Furthermore, the system is capable of absorbing the solar and ambient energy all year long, even during the cold period. The got energy is passed on in the water via a condenser surrounding the outside of the tank.

SANITARY HOT WATER AT 55°C

TECHNICAL CHARACTERISTICS THERMBOIL TB E				
Model	TB100E	TB200E	TB250E	TB300E
Mean thermal capacity (only thermodynamic) (W)	2000 W			
Mean power consumed (thermodynamic) (W)	500 W			
Maximum power consumed (thermodynamic + resistance)	2000 W			
Voltage / frequency	230 V / 1 ph / 50 Hz			
Atmospheric temperature range (°C)	-5°C-45°C			
COP range	3-7			
Accumulator volume (L)	100	200	250	300
Approx. weight of equipment when empty (kg)	70	85	105	120
ACS temperature range with thermodynamics (°C)	45-55°C*			
Maximum working pressure (bar)	6 bar			
Refrigerant fluid	R134a			
Cold/hot water input/output connections (")	3/4			
Thermodynamic panel connections (")	1/4-3/8			

THECNICAL SPECIFICATIONS

- Water heater for heat pump with thermodynamic panels integrated into the equipment.
- Stainless steel tank
- Compact unit, steel carcass lacquered.
- High-efficiency compressor
- Ecological cooling liquid R134 a.
- Aluminum condenser.
- Isolating injected polyurethane 40 kg /m.
- System of protection against high pressures and temperatures of functioning.
- Thermostatic expansion valve.
- Auxiliary electric system.
- All the equipments are tested in factory before sending.



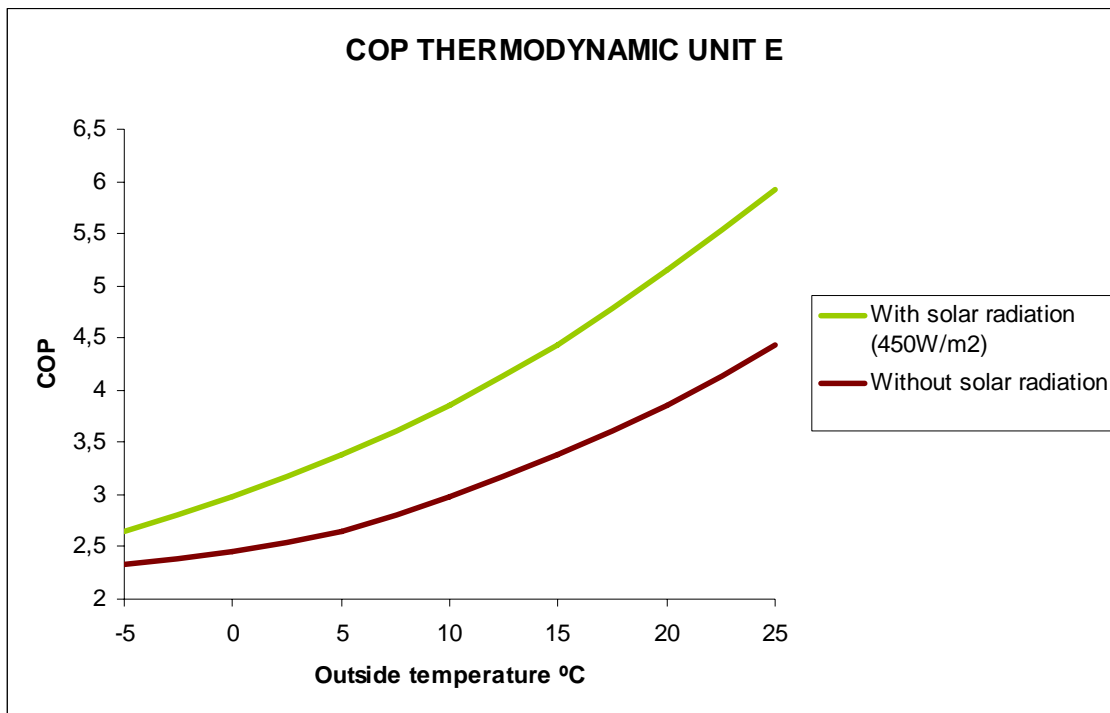
70% average annual saving*
350L water at 40°C *
COP 4.3*

Data calculated for TB200E, 15°C inlet water

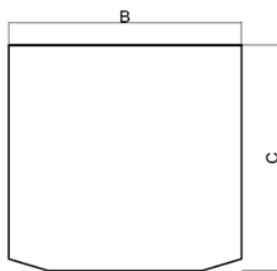
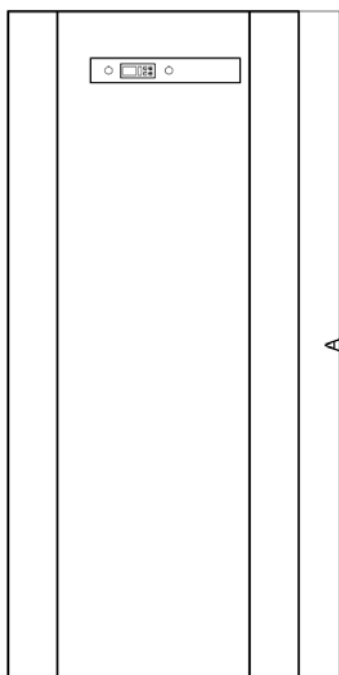


PERFORMANCE DATA

Average condensation temperature 50°C

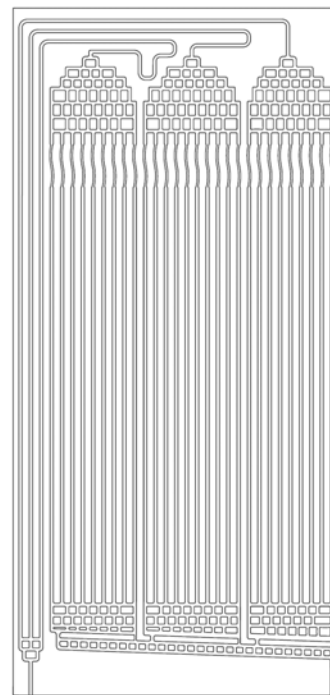


SYSTEM DIMENSIONS



Model	A(mm)	B(mm)	C(mm)
TB100	910	590	575
TB200	1360	590	575
TB250	1678	590	575
TB300	1925	590	575

THERMODYNAMIC PANEL DIMENSIONS



1960 x 920x 20 mm

