

## ECOHEAT 300TDH4

ECOHEAT TDH4 is the new solar thermodynamic heat pumps series suitable for provide great heating capacity in DHW production.

This system includes two solar thermodynamic panels installed outdoors, able to extract solar energy and the available energy of the surrounding environment. Then, the energy is used by the thermodynamic cycle to heat water, achieving high efficiency and important savings for the house.

Its great accumulation capacity and low noise impact make it a perfect solution for small spaces that need an efficient and reliable unit for fast DHW recovery.



Reduces energy use by up to 60%.



Extracts heat from sun, rain and air.



DHW up to 60°C with heat pump operation.



LCD touchscreen



Aluminium condenser fitted around the tank.



High quality cylinder made of **SS Duplex 2205**



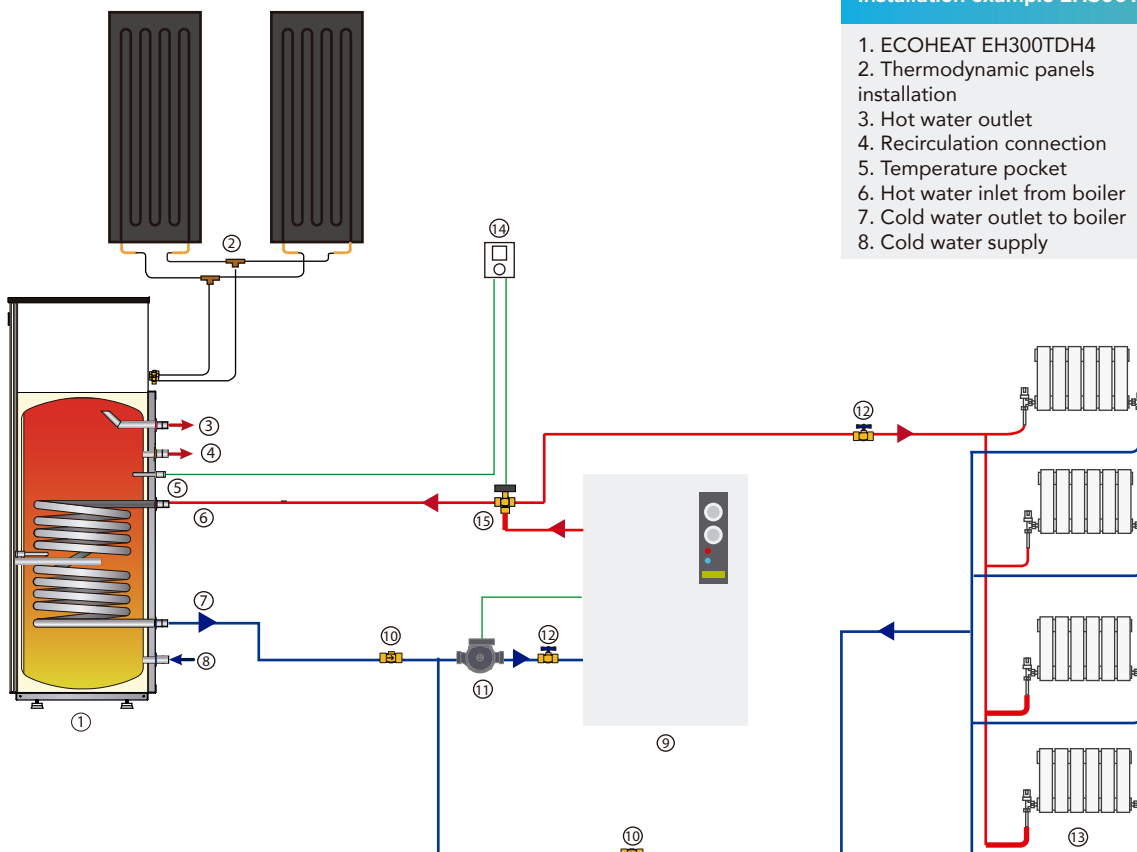
Double thermal power: Suitable for larger demands



Automatic anti-legionella function.



Compliant with Eco-design and Eco-labelling.



### Installation example EH300TDH4 and boiler

- |                                      |                        |
|--------------------------------------|------------------------|
| 1. ECOHEAT EH300TDH4                 | 9. Boiler              |
| 2. Thermodynamic panels installation | 10. Check valve        |
| 3. Hot water outlet                  | 11. Pump               |
| 4. Recirculation connection          | 12. Ball valve         |
| 5. Temperature pocket                | 13. Radiators          |
| 6. Hot water inlet from boiler       | 14. Ambient controller |
| 7. Cold water outlet to boiler       | 15. Three ways valve   |
| 8. Cold water supply                 |                        |

## Advanced controlled



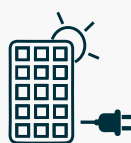
### Operating modes

- **Automatic:** DHW production is handled by the HP module and the electric back-up.
- **Eco:** «reduced» programme enabled, DHW production is handled only by the HP module
- **Boost:** A single boost operates the heat pump and the heating element to heat up the water in the shortest time to the setting temperature

### Features:

- Touchscreen
- Easy to use and learn
- **Automatic Antilegionella disinfection:** Automáticamente realiza un choque térmico para eliminar cualquier posibilidad de proliferación de la bacteria.
- Screen lock
- Specific alarms setted to avoid any possible anomalies

### Compatible with Photovoltaics

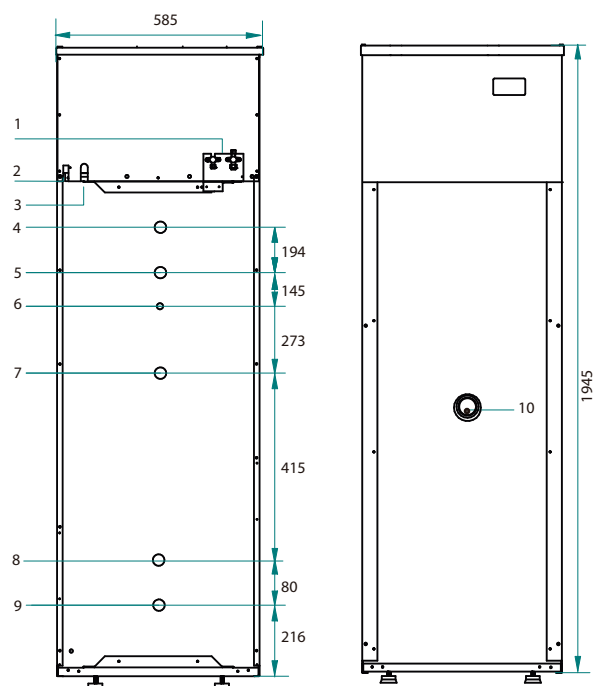


The controller includes a connection port with the inverter module which allows starting up the heat pump when there is an energy excess from the photovoltaic panels.

## Technical data

Cylinder	EH300TDH4
Capacity, L	282
Maximum operating pressure, bar	6
Heat exchange surface, m <sup>2</sup>	1,2
<b>Heat pump data</b>	
Energy Efficiency Class	A
Load profile	XL
Heating capacity range, W	2860-5120
Input power range, W	900-1120
Minimum ambient temperature, °C	5
Maximum water temp. HP, °C	60
Maximum water temp. electrical heater, °C	62
Refrigerant	R134a
<b>Electric data</b>	
Power supply, V/ph/Hz	230 / 1 / 50
Electric heater power, W	1500
Maximum absorbed power, W	2800
<b>Thermodynamic panel</b>	
Number of panels	2
Dimensions, mm	1700 x 800
Maximum operating pressure, bar	10
Refrigerant inlet - outlet, inch	1/4 - 3/8
<b>Connections</b>	
Water inlet/ outlet / recirculation, inch	3/4
Boiler coil, inlet / outlet, inch	3/4
Refrigerant inlet - outlet, inch	1/2 - 3/8

## Dimensions



### Legend

1. Refrigerant connections
2. Power supply
3. Condensate drain
4. Hot water outlet, 3/4"
5. Recirculation connection
6. Temperature pocket
7. Coil outlet, 3/4"
8. Coil inlet, 3/4"
9. Cold water inlet, 3/4"
10. Temperature pocket / Electric heater