

Thermboil E

Thermboil 300 E

New concept in thermodynamic compact system.

Hot water up to 55°C available 24h per day.

The THERMBOIL E Serie is an innovative water heater that include a heat pump system with solar gain and a water tank.

This system is able to capture the ambient solar energy to heat water efficiently, with very low consumption compared to conventional systems.

This system reaches an energy performance up to 20% higher than traditional solar thermal systems on the market.



DOMESTIC HOT WATER



ECONOMIC



EASY INSTALLATION



WORKS 24H DAY &
NIGHT



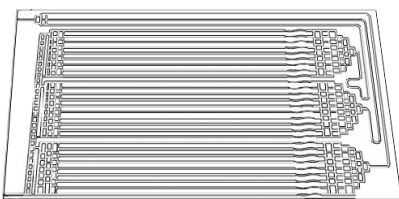
LOW CONSUMPTION



LOW NOISE LEVEL



Thermodynamic panel



80%

Savings

25

Years of useful life

6,2 kg

Low weight

Technical specifications

Specifications

Thermal power (ONLY heat pump)	W	1600-2200
Power input (ONLY heat pump)	W	400-600
COP		2-5
Immersion support power	W	1500
Max. thermal power (with immersion)	W	3700
Max. power input (with immersion)	W	2100
Electrical supply	V/ph/Hz	230/1/50
Refrigerant		R134A
Extraction cycle		XL

Dimensions, weight and connections

Hydraulic connections*	"	M 3/4-3/4
Exit of condensed	"	1/2
Type of isolation	mm	50
Dimensions of the equipment (AxBxC)**	mm	2008x601x550
Auxiliary dimensions (DxExF)	mm	140x1515x1665
Dimensions of the panel (AxBxC)**	mm	1700x800x25
Maximum pressure of the panel	bar	10
Thermodynamic panel Connections***	"	1/4 - 3/8
Thermboil Connections***	"	1/4-3/8
Weight of the thermodynamic panel	kg	6.2
Empty weight of the equipment	kg	114
Number of panels		1
Sound power****	dBA	<30

*M (Input and output of the male hydraulic connection)

*F (Input and output of the female hydraulic connection)

**Dimensions (A= height B=width C=deep)

***Inlet/Outlet (rosca SAE)

****Sound power at 2 meters distance

Cylinder

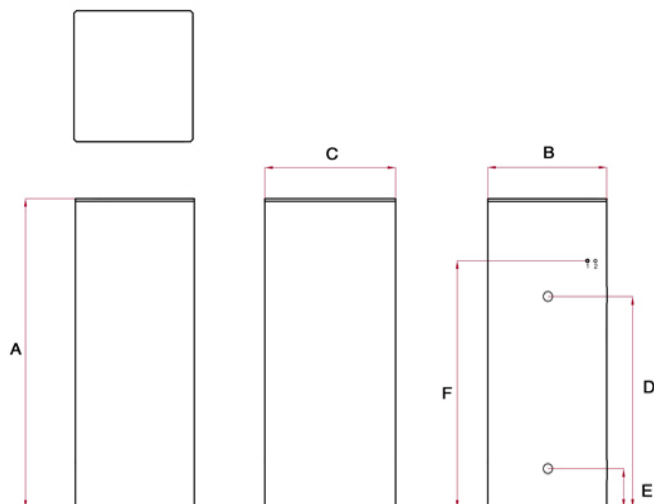
Format		Standing
Material		Inox
Working pressure	bar	6
Capacity	l	300
Insulation type	-	Injected polyurethane
Average heat transmission	W/m°C	0.025

Conditions

Max. temperature with heat pump*	°C	60(55)
Max. temperature with immersion	°C	70
Operanting temp range	°C	-5/42

* Factory set equipment at 55 degrees.

Views



Advantages

- Sheathed immersion heater ✓
- Protection against corrosion by titanium anode ✓
- Security valve ✓
- Digital temperature controller ✓
- Alarm indicators ✓

Optional

Coils

Solar (1.2 m2) | Boiler (0.6 m2) | Double (1.2 + 0.6 m2)

Anti-legionella / Internal timer

Weekly programing to increase temperature through the immersion once a week

Other models

| 75 | 110 | 130 | 180 | 200 | 250 | 500

Certifications



www.energypanel.net - contacto@energypanel.net

Technical data generated exclusively for informational purposes. The specifications are subject to alterations without prior notice.