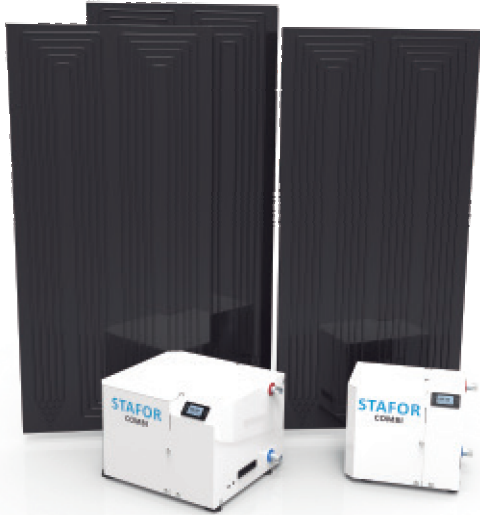


# DHW / Thermodynamic

# STAFOR COMBI

## Retrofitting Range



## 200/400DHW

The unit is a new heat pump system designed for retrofitting in any installed cylinder.

The user can benefit from the economic saving that brings the heat pump technology using the cylinder already installed, without a large additional investment. This technology extracts solar energy and the available energy of the surrounding environment to heat water with lower power consumption.



Reduces energy use by up to 60%.



Smart controller design with 5 operating modes.



PV-ready: Smart detector of PV energy available



Completely environmentally friendly



DHW up to 60°C with heat pump operation.



Automatic anti-legionella function



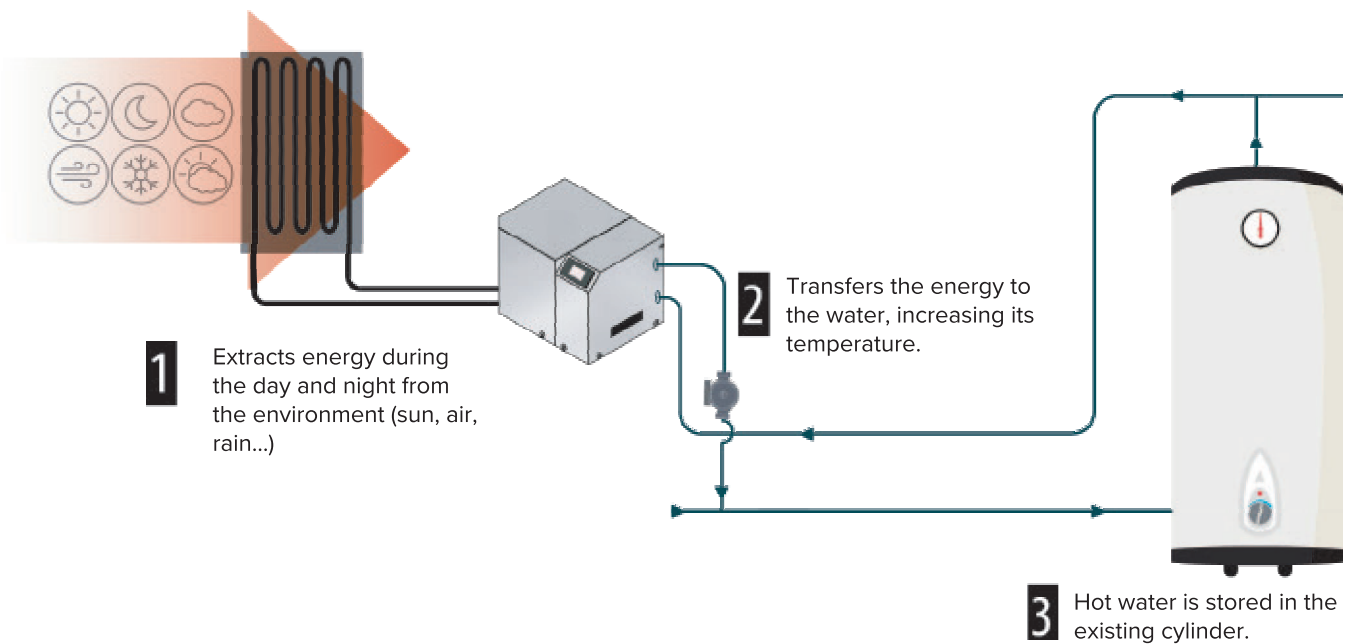
Designed for ease of install, servicing and repair.



Extracts heat from sun, rain and air



Compliant with Eco-design and Eco-labelling.



## Characteristics

- Adaptable to any cylinder in use through an easy and quick installation.
- It is able to control the electrical heater of the cylinder and use it in different operating modes.
- Allows integration with photovoltaic installations to achieve the maximum possible savings.
- Floor or wall mounting installation.

## Advanced controlled



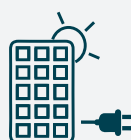
### Features:

- Touchscreen
- Easy to use and learn
- Automatic Antillegionella disinfection
- Screen lock
- Specific alarms set to avoid any possible anomalies

### 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

### Compatible with Photovoltaics



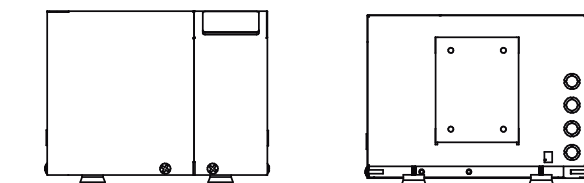
The controller includes a connection port with the inverter module which allows starting up the heat pump when there is an energy excess from the photovoltaic panels.

## Technical data

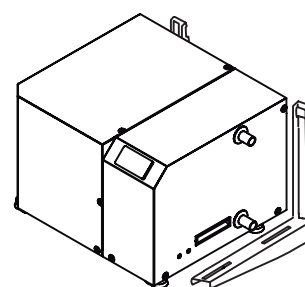
Model	200DHW	400DHW
Energy efficiency class	A	A
Load profile	L	XL
Heating capacity range (1), W	1430-2560	2860-5120
Input power range (1), W	450-540	900-1080
COP (1)	2,5-3,8	2,5-4,6
Maximum temp. HP, °C	-5 / 45	
Maximum water temp. electrical heater, °C	60	
Refrigerant	R134a	
Charge, g	1100	2200
Power supply, V/ph/Hz	230 / 1 / 50	
Number of panels	1	2
Dimensions, mm	1700x800	
Refrigerant inlet/ outlet, inch	1 / 4-3 / 8	
Minimum water flow, L/h	250	485
Pressure drop heat exchanger, kPa	2	2
Water connection, inch	3 / 4	1

(1) Depending of ambient temperature and incident solar radiation

Wall-hung or floor mounted configuration:

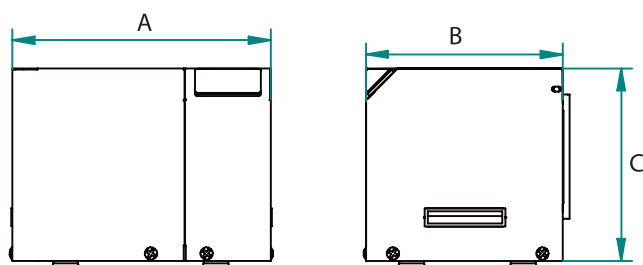


200DHW



400DHW

## Dimensions



Model	200DHW	400DHW
A, mm	442	560
B, mm	320	505
C, mm	370	370