



200TDHW

200TDHW is the new solar thermodynamic heat pumps series for the domestic hot water production.

These system include one or more 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.

TDHW is a high quality product with outstanding performance available in 7 different capacities suitable for any kind of housing.



Reduces energy use by up to 60%.



Smart controller design with 5 operating modes.



Possibility of dehumidifying and refreshing ambient air.



Extracts heat from sun, rain and air.



Aluminium condenser fitted around the tank.



Automatic anti-legionella function.



DHW up to 60°C with heat pump operation.

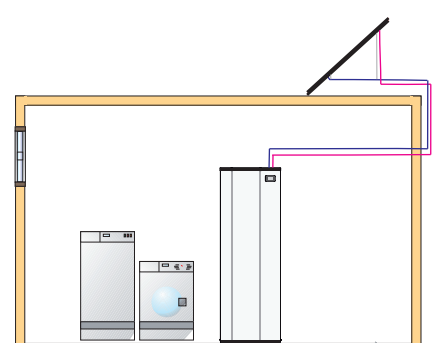
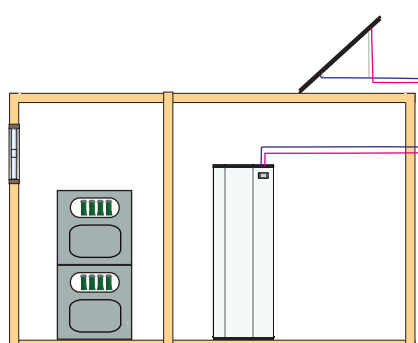
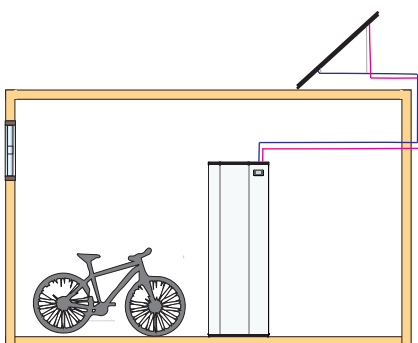


High quality cylinder made of SS DUPLEX



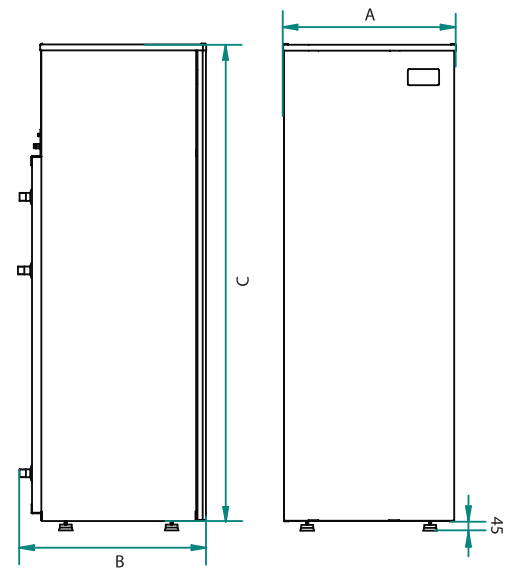
Compliant with Eco-design and Eco-labelling.

Installation modes



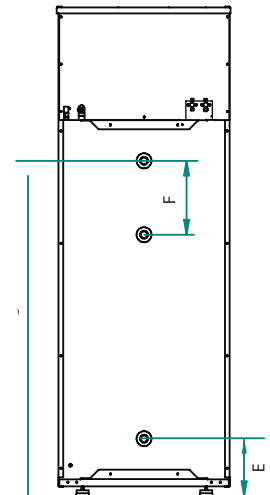
Dimensions

Dimensions and connections	200TDHW
Configuración	Floor
A, mm	585
B, mm	633
C, mm	1620
D, mm	1102
E, mm	161
F, mm	250
Water inlet / outlet, inch	3/4
Refrigerant inlet / outlet, inch	3 / 8-1 / 4



Technical data

Cylinder	200TDHW
Capacity, L	200
Maximum operating pressure, bar	6
Heat pump data	
Energy Efficiency Class	A
Load profile	L
Input power range (1), W	1430-2560
Maximum temp. HP, °C	450-540
COP (1), W	2,5-4,6
Maximum temperature HP, °C	60
Maximum temp. electric element, °C	62
Coolant	R134a
Electric data	
Electric element power, W	230 / 1 / 50
Maximum current, A	1500
Maximum power absorbed, W	2100
Thermodynamic panel	
Number of panels	1
Dimensions, mm	1700x800
Maximum operating pressure, bar	10
Refrigerant inlet/ outlet, inch	3/8-1/4



(1) Depending of ambient temperature and incident solar radiation

Advanced controlled



Features

- Touch panel
- Intuitive and easy to use
- PV ready: Takes advantage of the surplus energy from PV installation to heat water at zero cost
- Anti-freeze protection
- Efficient defrosting

Operating modes

- ECO: «reduced» programme enabled, DHW production is handled only by the HP module.
- AUTO: DHW production is handled by the HP module and the electric back-up, based on the input air temperature and inner performances of the heat pump.
- OVERBOOST: A single Boost operates the heat pump and the heating element to heat up the water in the shortest time to the setting temperature.