

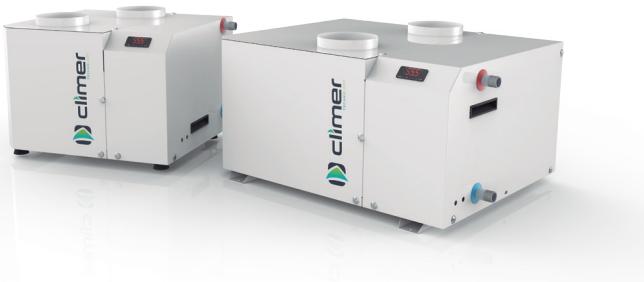
Retrofitting Range

ECOFLEX

ECOFLEX 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.

The range includes two models that suit with most of cylinder capacities, heating the accumulated water up to 55 degrees.



Reduces energy use by up to 60%.



Smart controller design with 3 operating modes. Touch panel.



PV-ready: Smart detector of PV energy available.



Completely environmentally friendly.



DHW up to 55°C with heat pump operation.



Made of European components..



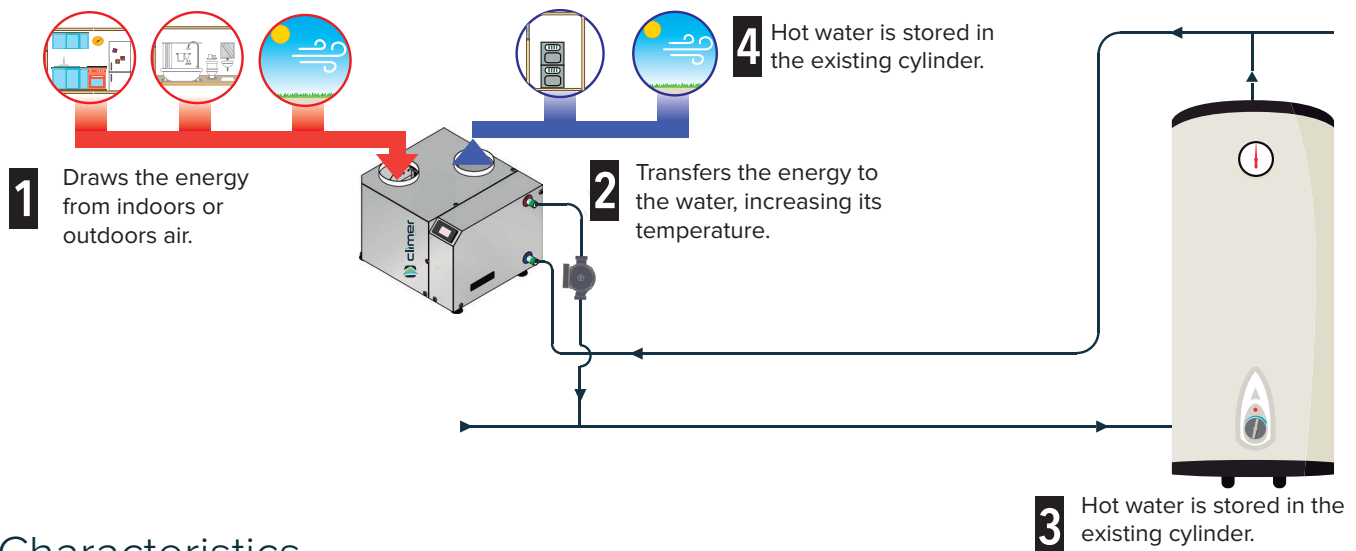
Designed for ease of install, servicing and repair.



Possibility of dehumidifying and refreshing ambient 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 and Peack-Off Tariff to achieve the maximum possible savings.
- Floor or wall mounting installation.
- Outlet air is around 10-15 °C lower than inlet temperature. Exhaust cold air can be ducted to refresh any room for free.

Advanced controlled



Features:

- Touchscreen
- Easy to use and learn
- **Automatic Antilegionella disinfection:** Automatically the system carries out a thermal shock disinfection avoiding any possibility of bacterial growth.
- Screen lock
- Specific alarms setted 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.

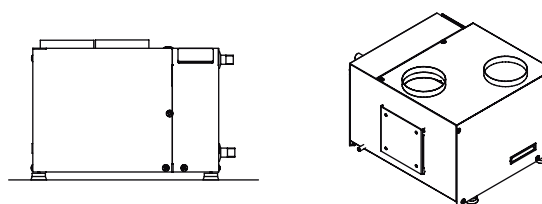
Technical data

Model	EF02	EF04
Energy efficiency class	A	A
Load profile	L	XL
Heating capacity (1), W	1900	3737
Input power (1), W	540	1100
COP (1)	3,52	3,40
Heating capacity (2), W	1146	2313
Input power (2), W	445	862
COP (2)	2,64	2,68
Minium air temperature, °C	5	
Maximum water temperature, °C	55	
Refrigerant	R134a	
Power supply, V/ph/Hz	230 / 1 / 50	
Air flow, m3/h	450	700
Maximum pressure drop (air), Pa	70	
Air connection, mm	160	
Mimumum water flow, L/h	250	483
Pressure drop heat exchanger, kPa	2	2
Water connection, inch	3/4	1

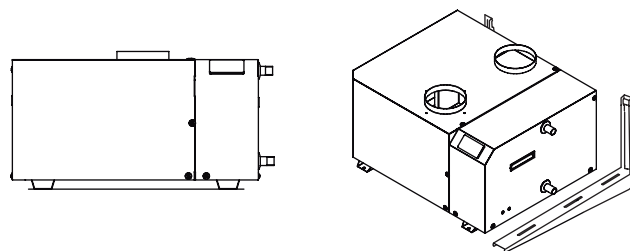
(1) Air temp. 20°C / Water temp. 55°C

(2) Air temp. 7°C / Water temp. 55°C

Wall-hung or floor mounted configuration.



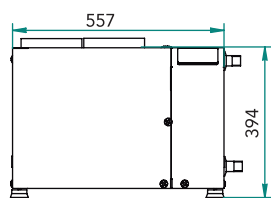
EF02



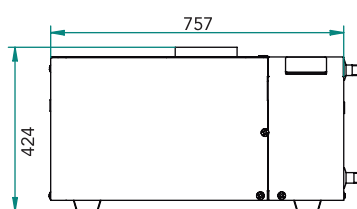
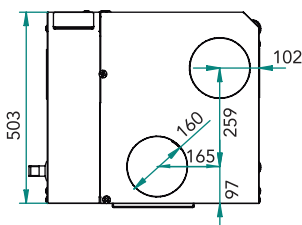
EF04*

*Flxings not included in EF04

Dimensions



EF02



EF04

