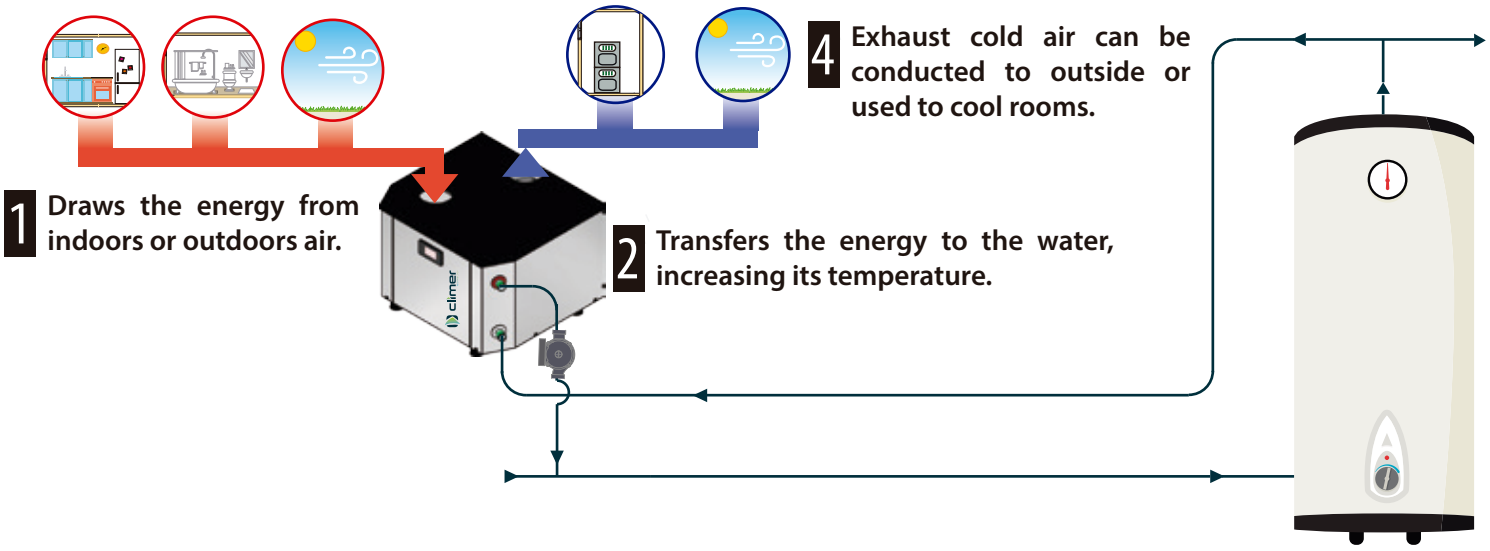
ECOFLEX

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 60 degrees.

- Reduces energy use by up to 60%
- Smart controller design with 5 operating modes
- PV-ready: Smart detector of PV energy avaiable
- Completely environmentally friendly
- DHW up to 60ºC with heat pump operation
- Made of 100% European components.
- Designed for ease of install, servicing and repair
- Possibility of dehumidifying and refreshing ambient air
- Compliant with Eco-design and Eco-labelling



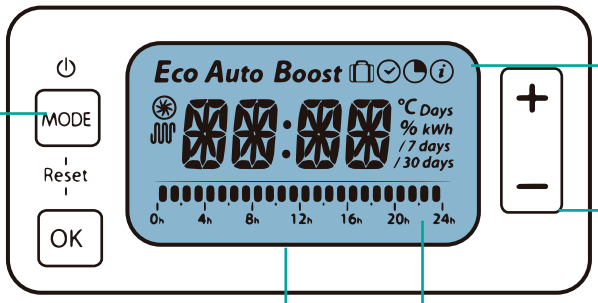
CHARACTERISTICS

- 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 ºC lower than inlet temperature. Exhaust cold air can be ducted to refresh any room for free.

ECOFLEX

SMART CONTROLLER

Operating mode
- **Automatic:** 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.
- **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
- **Out of home:** no DHW production for a vacation period; antifreeze protection
- **Program:** Set specific heating periods



Information
Provide weekly or monthly statistics on heat source usage given information about the real usage of heat pump source or backup heating element

Increase/ decrease and navigation key

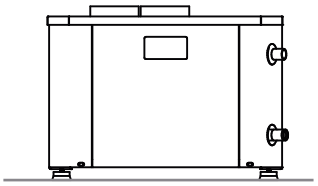
Programming time slot

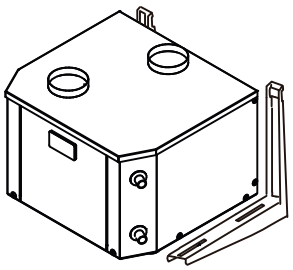
Display
Generously sized with simple, intuitive display of the operating modes, timer programming

TECHNICAL DATA

Modelo	EF02	EF04
Energy Efficiency Class	A	A
Load profile	L	XL
Nominal thermal power (1), W	1841	3680
Nominal input power (1), W	496	990
COP (1)	3,7	3,72
Nominal thermal power (2), W	1127	2270
Nominal input power (2), W	407	806
COP (2)	2,8	2,82
Minium air temperature, °C	5	
Maximum water temperature HP, °C	60	
Coolant	R134a	
Charge, g	950	1800
Power supply, V/ph/Hz	230 / 1 / 50	
Air flow, m3/h	450	700
Maximum pressure loss, Pa	70	
Air inlet/exhaust connection, mm	120	
Minimum water flow, L/h	250	483
Heat exchanger pressure loss, kPa	2	2
Water inlet/ outlet, inch	1/2	3/4

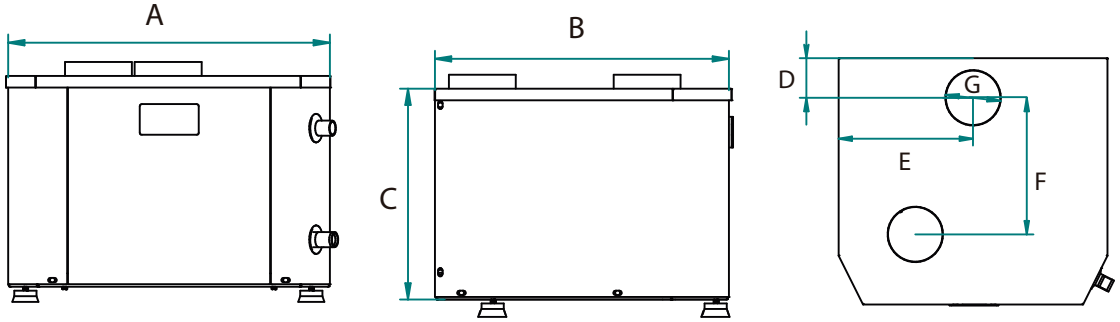
Wall-hung or floor mounted configuration:





According to EN16147: (1) Air temp. 20 °C / Water temp. 10-55
(2)Air temp. 7 °C / Water temp. 10-55°C

DIMENSIONS



Dimensions	EF02	EF04
A, mm	577	838
B, mm	533	647
C, mm	378	408
D, mm	86	86
E, mm	291	418
F, mm	296	416
G, mm	120	120

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