

EXPLORER

A A+ in 2017

75% energy savings*

Wide heat pump temperature range of use (-5 to +43°C)

ACI hybrid anti-corrosion protection

Smart energy consumption control

Remote piloting with Cozytouch technology**

UP TO
+75%
ENERGY
SAVINGS*



Smart Control



Smart Energy



Cozytouch**



Photovoltaic
compatibility

**SMART GRID
READY**
Smart
heat pump



*Compared with an electric water heater

**Explorer version compatible with Cozytouch technology available in 2016



Engineered and Made in France

Heat pump water heater Explorer: the best long-lasting service...

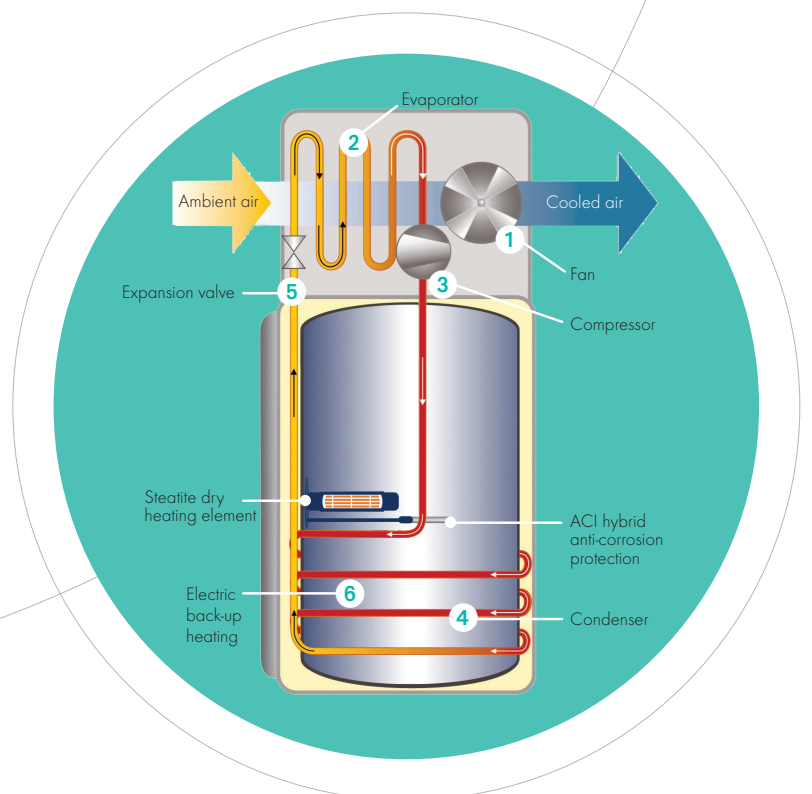
To provide you with the best all-weather solution, Atlantic presents its up-to-date heat pump water heater Explorer.

This productive and cost-effective solution to produce domestic hot water uses renewable, clean and free calories contained in ambient air. It is an ideal energy source to heat water, performing even in nighttime conditions, as well as in hail or rain.

How does it work?

The heat pump water heater uses the operational principle of a heat pump, by absorbing calories in outdoor air and using this energy to ensure water heating.

The **fan 1** inhales ambient air transferring its energy to the refrigerant agent in the **evaporator 2** thus changing from liquid to gas. The gas is further heated by **compression 3**. In the **condenser 4** the gas transfers its accumulated heat to the water tank. As it gets colder it transforms back to fluid. The pressure of the fluid is further reduced by the **expansion valve 5**. The **electric back-up heating 6** starts only when required during insufficient heat pump working conditions.



EXPLORER'S TANK AND HEATING ELEMENT: ANTI-CORROSION PROTECTION WITH ATLANTIC PATENTED TECHNOLOGIES



Maximum protection of the tank

The Anti-Corrosion Integrated system (ACI hybrid) provides maximum protection to the tank. The titanium anode located at the center of the appliance is driven by an electronic PCB board that produces a millivoltage electric current, providing the tank with lifetime protection, replacing magnesium anode.



State-of-the-art technology for the best long-lasting service

Thanks to Steatite technology and its ceramic heating element, Explorer is well adapted to aggressive, highly mineralised and desalinated water. Ceramic heating element is protected by an enamelled steel sleeve, which grants a large heat exchange surface and reduces scale deposits and heating noise. Therefore, Steatite technology ensures the heating element's and tank's prolonged lifecycle.

...innovative smart functions



With Explorer's new innovative smart functions, you can combine your lifestyle with daily energy savings!



Smart Control

Due to Smart Control, Explorer perfectly integrates into your life, **learning your habits from one week to another and memorizing them**, to provide you with everyday comfort anticipating your needs, along with energy savings optimization.



Cozytouch technology*

Explorer is compatible with new Cozytouch technology, allowing **distance piloting through a smartphone or a tablet**. With Cozytouch, you monitor Explorer in real-time (temperature setting, electric consumption view, etc.), tailoring your everyday comfort, security and energy consumption to your standards.

Therefore, with Explorer, you **have full control of your daily comfort and your energy savings requirements**, even if you are not at home!

* Explorer version compatible with Cozytouch technology available in 2016.



Smart Energy

When connected to a boiler system, Explorer activates its Smart Energy function, which **helps to choose the right energy source** (boiler or heat pump) at the right moment, considering the air and water temperature, **by calculating its energy consumption**. Therefore, Smart Energy grants the most efficient and economical performance of Explorer connected to a boiler system.

With Smart Energy, you can activate 4 priority modes:

HEAT PUMP PRIORITY:

Boiler is activated only at the end of heating, for very low air temperatures ($<7^{\circ}\text{C}$)

HEAT PUMP OPTIMIZED:

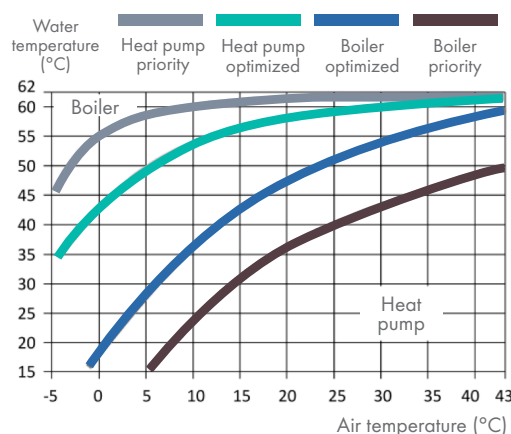
Boiler is activated only at the end of heating, early on, depending on air temperatures

BOILER OPTIMIZED:

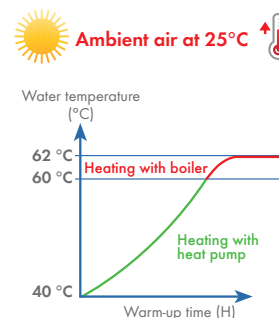
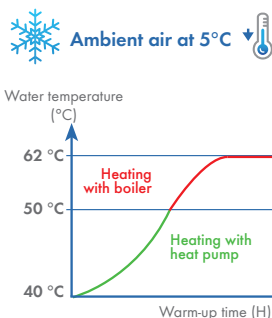
Heat pump is activated at the beginning of heating, early on, depending on air temperature

BOILER PRIORITY:

Heat pump is activated at the beginning of heating, for air temperatures of $>10^{\circ}\text{C}$



Heating cycle at 2 different air temperature conditions with preselected HEAT PUMP OPTIMIZED priority mode



...and high efficiency, combined with greater energy savings!

Efficiency: Explorer benefits from the best Atlantic patented technologies to offer the most reliable water heating solution, combining the highest tank protection and heat pump performance, with its **wide temperature range of use (-5 to +43°C)**.

User-friendliness: easy to install thanks to adjustable air inlet and outlet, Explorer is a **silent and user-friendly solution** with its intuitive control panel and different operating modes.

Energy savings: as a renewable energy solution, Explorer is a real energy-saving device. It allows **up to 75% of energy savings***, thanks to its heat pump operation principle, **innovative functions** and **compatibility with solar (photovoltaic or solar panel) and boiler system (built-in coil)**.

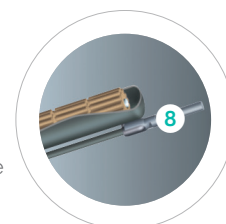
Intuitive control panel with built-in programming function allows adjusting energy consumption to daily needs, as well as different modes selection and solar or boiler support activation.

High visibility display shows **everyday energy consumption in curves**, for better energy savings and easier control.

- 1 MENU button with access to general information and working temperature range settings, choice of boiler or solar system support, energy consumption statistics and mode selection (Boost, Auto, Manual, Absence)
- 2 Control knob for temperature adjustments
- 3 Temperature validation button
- 4 Return to previous screen view
- 5 High visibility display showing active mode and energy consumption statistics information in curves



- 1 Evaporator
- 2 High efficiency heat pump with wide temperature range of use
- 3 Intuitive control panel
- 4 Diamond-quality enamel
- 5 Enamelled sleeve and Steatite heating element
- 6 Coil (1.2 m²):
 - Solar mode
 - Boiler mode
- 7 Adjustable air inlet / outlet (360°)
- 8 ACI hybrid anti-corrosion system with forced current and magnesium anode



*Compared with an electric water heater

More energy savings in your photovoltaic installation with Explorer



Explorer photovoltaic compatibility

By connecting Explorer with a photovoltaic installation, you combine two green energies to achieve optimum energy savings in water heating and in the rest of the electric equipment in your home.

Combined with a photovoltaic installation, Explorer gives you a free energy storage, as photovoltaic panels collect free solar energy and send it to Explorer for storage and use.

Therefore, solar and heat pump energies allow you heating water at no cost, as well as supplying free energy to domestic appliances, no matter the weather.



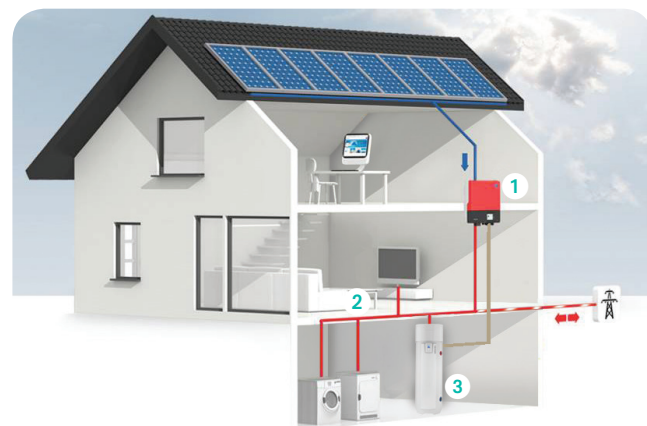
Thanks to photovoltaic compatibility, Explorer is open to Smart Grid technology.

Solar installation usual operation

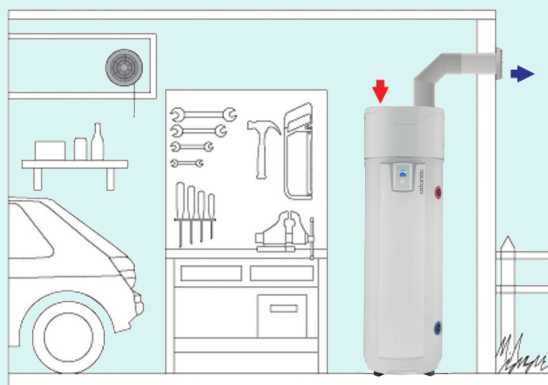
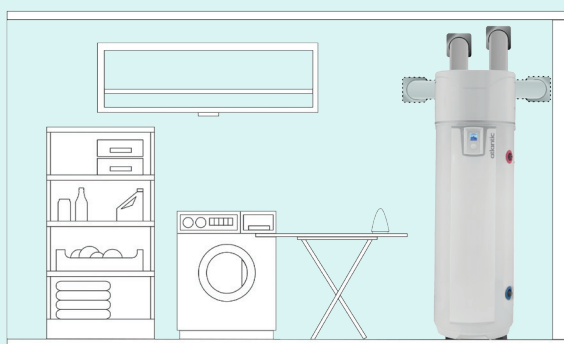
Solar energy is collected by the photovoltaic panels and sent to the inverter to adapt to the housing global appliances installation **1**.

Electricity is then sent to the working domestic appliances or to the power grid **2**.

Explorer is working on power grid supply (normal electricity supply) **3**.



Ajustable air inlet / outlet



Suitable for all installations
(low ceiling, corner...)

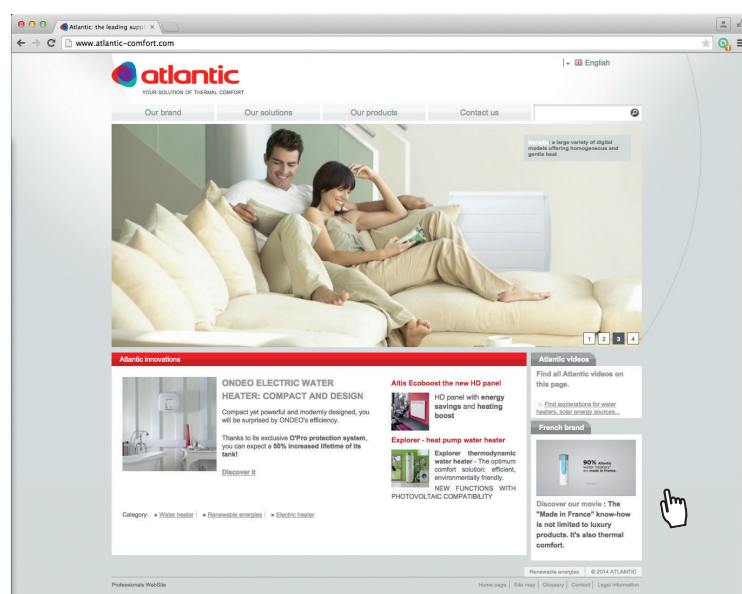
Specifications	Capacity (L) (with or without coil)	
	200	270
Dimensions (mm)	1609 x 620 x 665	1949 x 620 x 665
Net weight without coil (kg)	85	93
Net weight with coil (kg)	100	108
Tank capacity (L)	200	270
Electric back-up volume (L)	110	130
Rated water pressure (bars)	8	
Electrical connection (V/Hz)	230 V~ / 50 Hz	
Maximum total power consumed by the device (W)	2 465	
Maximum power consumed by the heat pump (W)	665	
Power consumed by electric heating (W)	1 800	
Water temperature range by heat pump (°C)	50 to 62°C	
Heat pump temperature range of use (°C)	-5 to 43°C	
Refrigerant fluid R 134A (kg)	1.25	1.35
Vacuum air flow (ambient installation) (m³/h)	390	
COP at 20°C* (ambient)	4.1	4.3
COP at 7°C* (ambient)	2.79 (L profil)	2.84 (XL profil)
Acoustic pressure at 2m (dB(A))	37	
Acoustic power (dB(A))	57	
Heating time from 15 to 51°C (ambient installation 15°C air) (h)	4h48	7h32
Coil power (kW) primary 60°C 1000 / 1500 / 2000 L/H (kW)	15.5 / 16 / 16.4	
Coil surface (m²)	1.2	
Recirculation connection	Available for models with coil	
ERP Energy class	A	

* Compliant with EN 16147 conditions



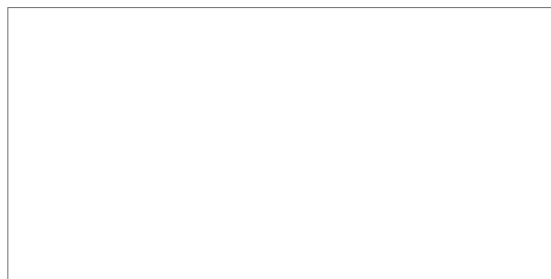
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