



EXPLORER

75% energy savings*

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

ACI hybrid anti-corrosion protection

Smart energy consumption control

UP TO
+75%
ENERGY
SAVINGS*



Smart Control



Smart Energy



Photovoltaic
compatibility



*Compared with an electric water heater

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

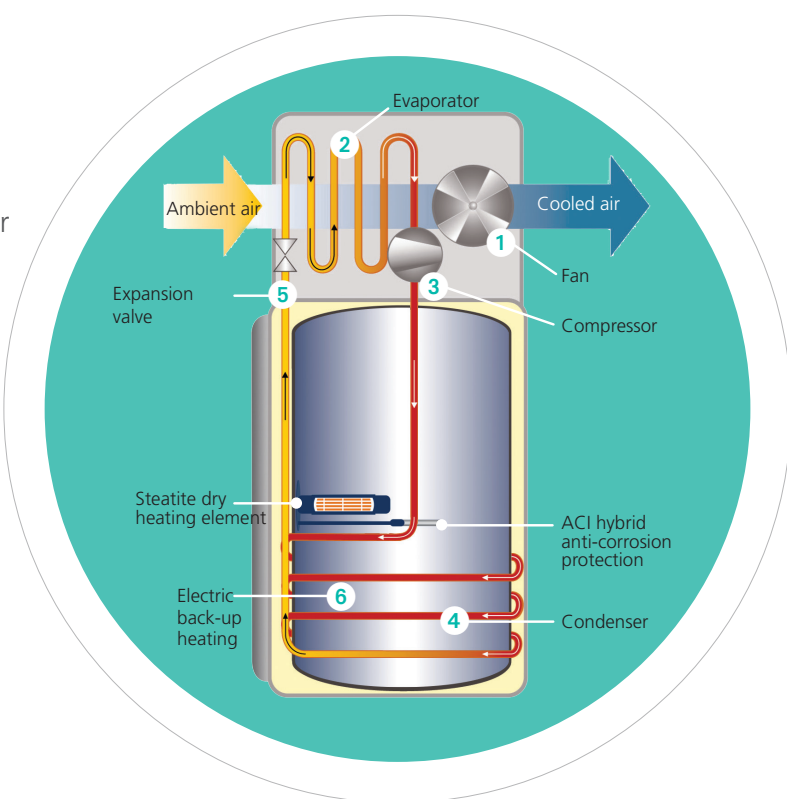
To provide you with the best all-weather solution, Atlantic presents its up-to-date heat pump water heater Explorer.

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.

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.

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°C)

BOILER OPTIMIZED:

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

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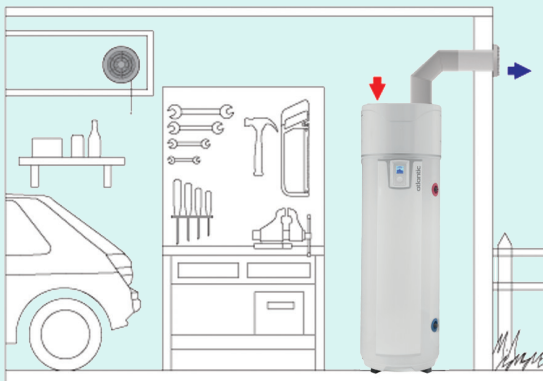
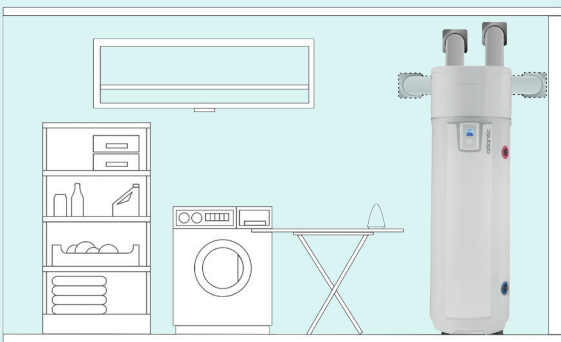
BOILER PRIORITY:

Heat pump is activated at the beginning of heating, for air temperatures of >10°C

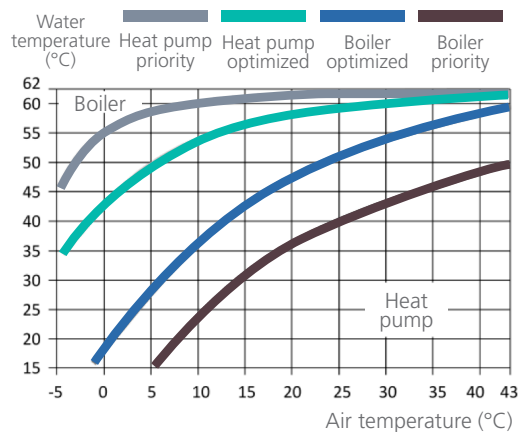
Smarter Installation



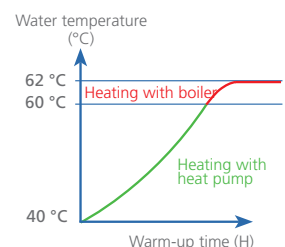
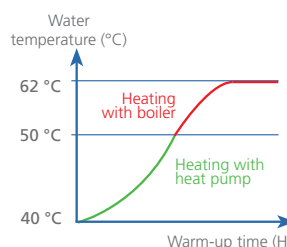
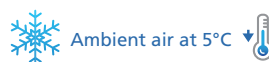
Ajustable air inlet / outlet



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



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



More energy savings in your photovoltaic installation with Explorer



Explorer photovoltaic compatibility

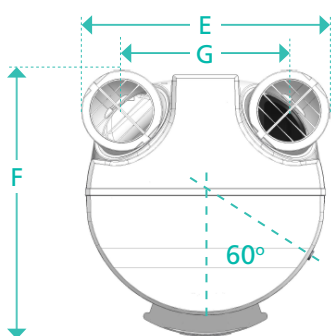
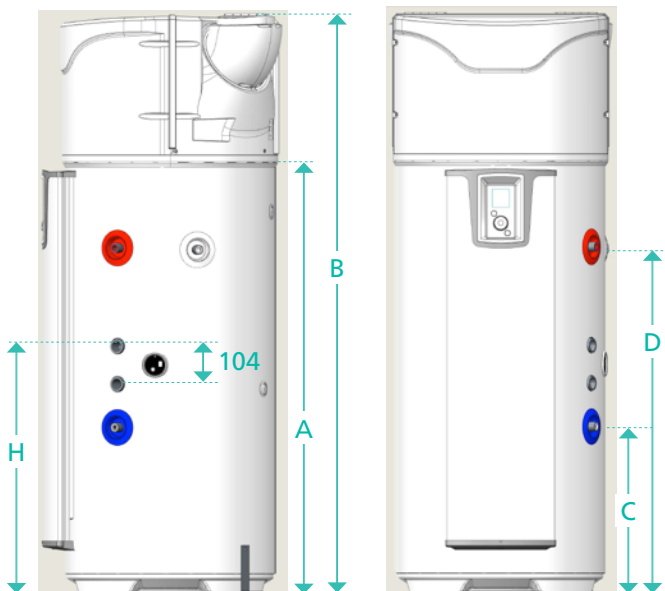
By connecting Explorer with a photovoltaic installation, you combine two green energies to achieve optimum energy savings in water heating and in the rest of the electric equipment in your home.

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.

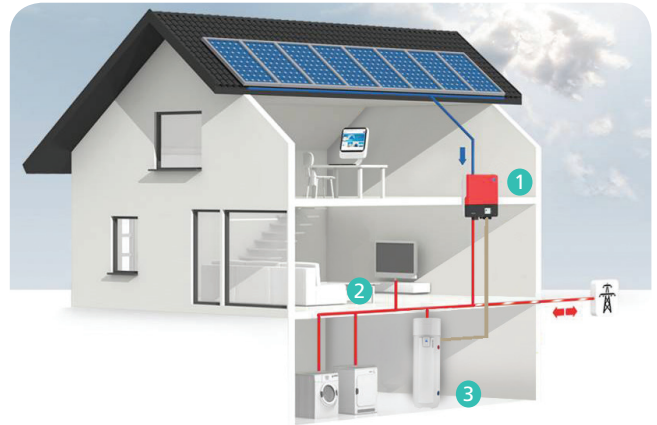


Solar installation usual operation

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



200 STD = 200 litre without coil (88606)
 270 ECH = 270 litre with coil (88071)

| Ind | MODEL | 200 STD | 270 ECH |
|-----|---------------------------------------|---------|---------|
| A | Condensate outlet | 1221 | 1562 |
| B | Total height | 1609 | 1949 |
| C | Cold water inlet | 304 | 462 |
| D | Hot water inlet | 961 | 1300 |
| E | Total width | 620 | 620 |
| F | Total depth | 665 | 665 |
| G | Distance between air inlet and outlet | 418 | 418 |
| H | Coil inlet | - | 581 |

Dimensions in mm

Advanced control systems - Intuitive and easy to use

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)**.

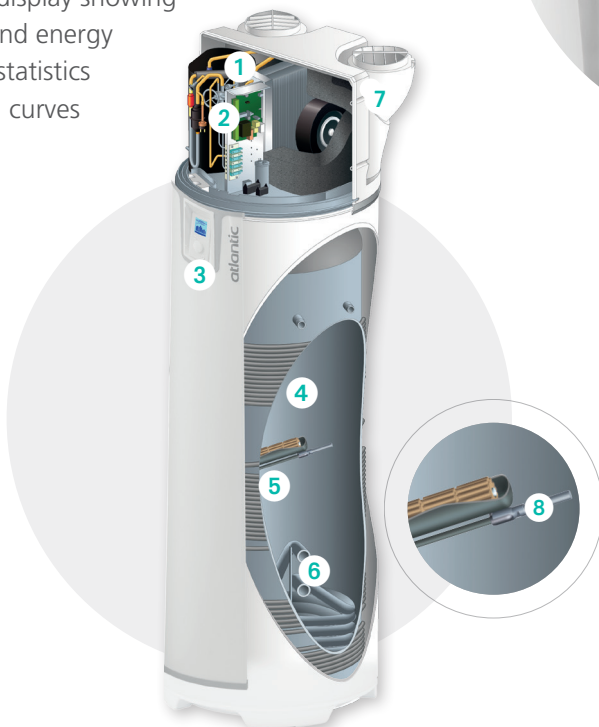
User-friendliness: easy to install thanks to adjustable air inlet and outlet, Explorer is a **silent and user-friendly solution** with its intuitive control panel and different operating modes.

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

SUMMARY SPECIFICATIONS

The Explorer has a similar footprint as a standard electric hot water system. Since it can be installed indoors, it is the ideal replacement when a standard unit fails.

Technical Data

| | | 200 litre without coil 88606 | 270 litre with coil 88071 |
|--|-------------------|---------------------------------|------------------------------|
| Dimensions (Height x Width x Depth) | mm | 1609 x 620 x 665 | 1949 x 620 x 665 |
| Empty weight (model without coil) | kg | 85 | 93 |
| Empty weight (model with coil) | kg | 100 | 108 |
| Nominal capacity | L | 200 | 270 |
| Hot and cold water connection | | | 3/4" M |
| Coil's connection | | | 1" M |
| Coil's heating surface | m ² | | 1,2 |
| Coil's power at T _{primary} 60°C and flow 1,5m ³ /h | kW | | 16 |
| Anticorrosion system | | | ACI Hybrid |
| Rated water pressure | Bar | | 8 |
| Electrical connection (voltage/frequency) | - | | 230V single phase 50 Hz |
| Maximal total power absorbed by the device | W | | 2465 |
| Maximal power absorbed by the heat pump | W | | 665 |
| Power absorbed by the auxiliary electrical unit | W | | 1800 |
| Heat pump water temperature setting range | °C | | 50 to 62 |
| Heat pump user temperature setting range (air temperature) | °C | | -5 to +43 |
| Duct diameter | mm | | 160 |
| Air flow (without duct) at low speed | m ³ /h | | 300 |
| Air flow (without duct) at high speed | m ³ /h | | 390 |
| Load losses acceptable on ventilation circuit, without affecting performance | Pa | | 25 |
| Sound power level | dB(A) | | 50,3 |
| Sound pressure level at 2m | dB(A) | | 33,5 |
| R134a refrigerant capacity | kg | 1,25 | 1,35 |
| Hot water quantity at 40° V40td in 8h (Off-peak) | L | 312 | 347 |
| Hot water quantity at 40° V40td in 14h (Off-peak+6h) | L | 579 | 607 |
| Performance at 7°C air temperature (EN16147) | | | |
| Coefficient of performance (COP) | - | 2,8 | 2,9 |
| Tapping cycle | - | L | XL |
| Standby power input (Pes) | W | 27 | 30 |
| Heating up time (th) | h.min | 7h54 | 10h4127 |
| Reference hot water temperature (Tref) | °C | 54 | 52,9 |
| Flowrate (air) | m ³ /h | 305,7 | 287,6 |

This device is compliant with directives 2004/108/CEE on electromagnetic compatibility and 2006/95/CEE on low voltage

WARRANTY

| | |
|--------------------------------|--|
| Water Heater Tank: | Domestic 10 Years & Commercial 3 Years |
| Heat Pump: | Domestic 5 Years & Commercial 2 Years |
| Labour & Electrics: | Domestic 2 Years & Commercial 1 Year |



Atlantic Australasia - New Zealand
 T 0800 422 000
 E info@atlantic.nz
 W www.atlantic.nz