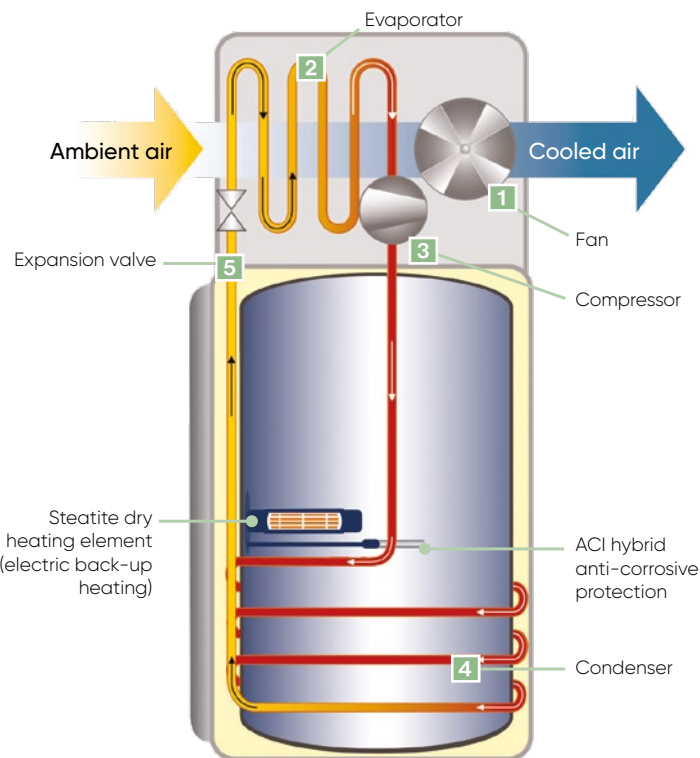


# Renewable energy water heaters

## HEAT PUMP WATER HEATER TECHNOLOGY

the best year-round solution ever



### HOW DOES IT WORK?

The heat pump water heater uses the operational principle of a heat pump, by absorbing heat from outdoors and using the energy to heat water.

The fan **1** draws in ambient air, transferring its energy to the cooling agent in the evaporator **2**, transforming it from liquid to gas. The gas is then further heated by compression **3**. In the condenser **4**, the gas transfers heat accumulated to the water tank. As it gets colder, it transforms back into a liquid. The pressure of the liquid is further reduced by the expansion valve **5**.

Renewable, clean and free heat contained in ambient air is an ideal energy source for heating water, even in winter, when air temperatures drop as low as  $-5^{\circ}\text{C}$ . Atlantic offers high-performance and cost-effective solutions for producing domestic hot water (DHW).

#### Clean and simple operation:

The heat pump water heater consists of a heat pump which captures the energy in the air in order to produce DHW.



## HEAT PUMP WATER HEATERS



EGEO

P. 88-89



CALYPSO VM

P. 90-91






















CALYPSO SPLIT INVERTER

P. 92-93



EXPLORER

P. 94-95

| MODEL <sup>(1)</sup>             | 200/250  | 100/150   | 200/270   | 200/270  |
|----------------------------------|--|---|---|--|
| INSTALLATION                     |  with or without coil |  |  |  with or without coil |
| ELECTRIC BACK-UP OUTPUT (W)      | 1800   | 1200/1800   | 1800  | 1800   |
| ELECTRIC BACK-UP HEATING ELEMENT | Stainless Steel Sheated  |  |   |                       |
| TANK PROTECTION                  |                       |  |  |                       |
| INTERFACE                        | Digital interface  | Digital controls  | Digital controls  | Digital controls   |
| CONNECTIVITY                     |                       |  |  |                       |
| ERP ENERGY CLASS                 |                       |  |  |                       |

(1) Model represents water heater capacity

# Egeo

High performance, connected and cost-effective heat pump water heater with or without coil



## WI-FI CONNECTIVITY



Connect and control your water heater remotely with the **Cozytouch** application

## HEAT PUMP WATER HEATER

MODELS 200 & 250 (Floor-standing)

MODELS 250 with coil (Floor-standing)



### + COMFORT

- Low noise level (54 dB) for better comfort and integration
- Easy programming with quick mode selection
- Boost mode generates maximum heating for extra water needs
- Connectivity & remote control via the Cozytouch application

### + DURABILITY

- ACI hybrid anti-corrosive protection
- Diamond-quality glass lining for long life and reliability
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent rust around the flange

### + INSTALLATION

- Ideal solution for an electric water heater replacement: no need to modify the electrical switchboard
- Next-generation cover attached with screws for easier opening and closing

### + ENERGY SAVINGS

- New R290 refrigerant for higher energy savings
- Eco+ self learning mode to provide the right amount of hot water when needed
- Monitor water & electricity use with the Cozytouch application
- Absence mode: generates energy savings when away from home



### + USER-FRIENDLY

- Ergonomic digital interface with heating indicator, operating modes and smart functions

**1 Wi-Fi connectivity**

**2 Waterdrop LED indicator:** amount of hot water ready to use

**3 Absence mode:** anti-frost position (7 °C)

**4 Manual mode:** required hot water amount selection

**5 Eco+ mode:** automatic operation based on daily consumer practices

**6 QR code** for easy pairing with Cozytouch

- 1 Heat pump
- 2 Air inlet / outlet
- 3 **DIAMOND-QUALITY ENAMEL TANK** for long life and reliability
- 4 **ACI HYBRID** anti-corrosive protection
- 5 Sheathed stainless steel heating element
- 6 Electronic regulation for temperature control accuracy

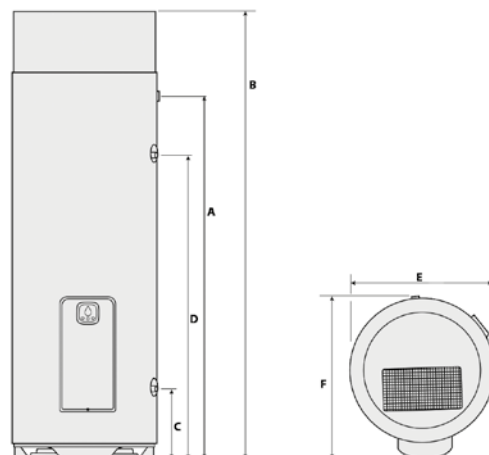

**ACI**  
hybrid

Patented ACI hybrid technology guarantees you:

- + Permanent tank protection for all water types
- + Limited scaling and easy maintenance
- + Immediate, permanent protection thanks to the combined continuous current generated by the titanium anode and magnesium

## Installation dimensions

| Model           | Dimensions (mm) |      |     |      |     |     |
|-----------------|-----------------|------|-----|------|-----|-----|
|                 | A               | B    | C   | D    | E   | F   |
| 200             | 1180            | 1529 | 277 | 959  | 575 | 636 |
| 250             | 1432            | 1782 | 277 | 1199 | 575 | 636 |
| 250 (with coil) | 1432            | 1782 | 277 | 1199 | 575 | 636 |



## Technical specifications

| Model             | Voltage (V) | Maximum total power consumed by the device (W) | Power consumed by electric heating (W) | COP at 15 °C (ambient) | V40 ErP (L) | Heating time from 15 °C to 51 °C (ambient installation 15 °C air) (H) | Acoustic power (db(A)) | Refrigerant fluid | Net weight without coil (kg) | ErP class |
|-------------------|-------------|--|--|------------------------|-------------|---|------------------------|-------------------|------------------------------|-----------|
| 200               | 230         | 2250   | 1800                                   | 2.4                    | 270.5       | 3h42  | 54                     | R290              | 64                           | A         |
| 250               | 230         | 2250   | 1800                                   | 2.66                   | 336.6       | 4h34  | 54                     | R290              | 71                           | A         |
| 250 L (with coil) | 230         | 2250   | 1800                                   | 2.5                    | 337.9       | 4h35  | 54                     | R290              | 82                           | A         |

# Calypso VM

Highly efficient wall-mounted heat pump water heater



## HEAT PUMP WATER HEATER

MODELS 100 TO 150  
(Vertical wall-mounted)



## CONNECTIVITY



Manage and tailor your water heater to your needs remotely with the **Cozytouch** application



**Cozytouch Bridge** required

### + COMFORT

- Connectivity & remote control via the Cozytouch application
- Auto function for smart operation
- Comfort thanks to electric back-up

### + DURABILITY

- ACI hybrid anti-corrosive system
- Steatite technology: ceramic dry heating element protected by a sleeve for limited scaling and easy maintenance
- Diamond-quality glass lining for long life and reliability
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent corrosion around the flange

### + INSTALLATION

- Easy installation with optimised wall brackets

### + ENERGY SAVINGS

- Smart energy consumption control
- Energy savings using high-performance heat pump
- CFC-free high-density insulation around tank for higher energy savings
- Photovoltaic connection to benefit from free solar energy
- High-efficiency water inlet

### + USER-FRIENDLY

- Intuitive digital control panel with built-in daily programming and a range of modes that can be selected

- 1 User-friendly digital screen
- 2 Direct access to menu
- 3 Direct access to Boost mode
- 4 Navigation buttons
- 5 Validation button
- 6 Back button



Steatite  
TECHNOLOGY



- 1 Evaporator
- 2 High-efficiency heat pump with wide temperature range
- 3 **DIAMOND-QUALITY GLASS LINING** for long life and reliability
- 4 Enamel-coated sleeve and **STEATITE HEATING ELEMENT**
- 5 Air inlet/outlet
- 6 **ACI HYBRID ANTI-CORROSIVE PROTECTION**



**ACI**  
hybrid

Patented ACI hybrid technology guarantees you:

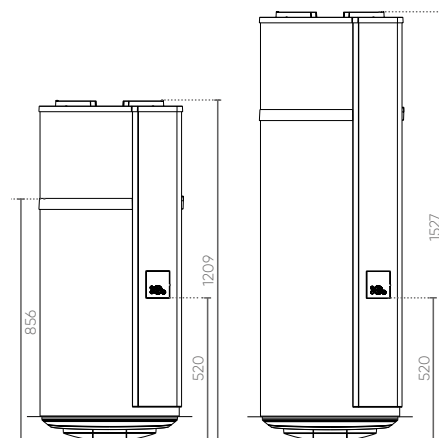
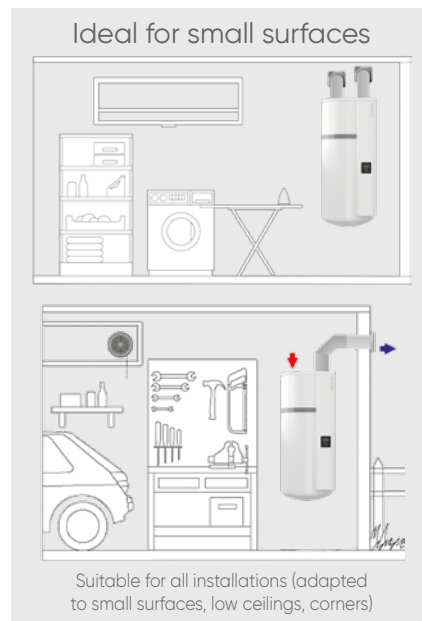
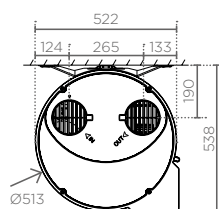
- + Permanent tank protection for all water types
- + Limited scaling and easy maintenance
- + Immediate, permanent protection thanks to the combined continuous current generated by the titanium anode and magnesium

## Technical specifications

| Specifications  | Model               |                      |
|---|---------------------|----------------------|
|   | 100                 | 150                  |
| Design  | Wall-mounted        | Wall-mounted         |
| Configuration   | Ambient/Ducted      | Ambient/Ducted       |
| Tank protection   | ACI hybrid          | ACI hybrid           |
| Heating element   | Steatite            | Steatite             |
| Dimensions (height x width x depth) (mm)                                      | 1209 x 522 x 538    | 1527 x 522 x 538     |
| Weight (kg)   | 57                  | 66                   |
| Electrical connection (V/Hz)  | 230/50              | 230/50               |
| Total maximum power (W)   | 1550                | 2150                 |
| Maximum heat pump power (W)   | 350                 | 350                  |
| Power electric heating element (W)  | 1200                | 1800                 |
| Heat pump water temperature range   | 50 to 62°C          | 50 to 62°C           |
| Heat pump air temperature range   | -5 to 43°C          | -5 to 43°C           |
| COP (at T <sub>air</sub> = 7°C ducted, T <sub>water</sub> from 15°C to 53°C)  | 2.66 <sup>(1)</sup> | 3.05 <sup>(1)</sup>  |
| COP (at T <sub>air</sub> = 15°C ambient T <sub>water</sub> from 15°C to 53°C) | 2.88 <sup>(1)</sup> | 3.28 <sup>(1)</sup>  |
| Acoustic power ErP (dB(A)) in ducted configuration                            | 45                  | 45                   |
| Acoustic power ErP (dB(A)) in ambient configuration                           | 50                  | 50                   |
| Heating time (at T <sub>air</sub> = 7°C)                                      | 6h47 <sup>(1)</sup> | 10h25 <sup>(1)</sup> |
| V40 ErP (L)   | 126                 | 196                  |
| ErP class   | A+                  | A+                   |
| Profile   | M                   | L                    |
| Connectivity IO   | YES                 | YES                  |
| Input PV  | YES                 | YES                  |

(1) Compliant with EN 16147 conditions

CE



atlantic

91

RENEWABLE  
ENERGY  
WATER HEATERS

ELECTRIC ROOM  
HEATING

ACTIVE HEAT  
CONVECTORS

HD HEATING  
PANEL

EXTENSIVE  
HEAT PANEL

GENTLE HEAT  
RADIATORS

BATHROOM  
HEATING

COMPACT  
BATHROOM  
HEATERS

BATHROOM  
RADIATORS



# Calypso Split Inverter

Wall-mounted or floor-standing heat pump water heater with outdoor compressor unit



## HEAT PUMP WATER HEATER

MODEL 200 (Vertical wall-mounted)

MODEL 270 (Floor-standing)



## CONNECTIVITY



Connect and control your heat pump water heater remotely using the **Cozytouch** application



**Cozytouch Bridge** required

### + COMFORT

- Connectivity & remote control using the Cozytouch application
- High efficiency due to Inverter technology
- Low noise level for installation in living areas
- Auto function for smart control
- Comfort thanks to electric back-up

### + DURABILITY

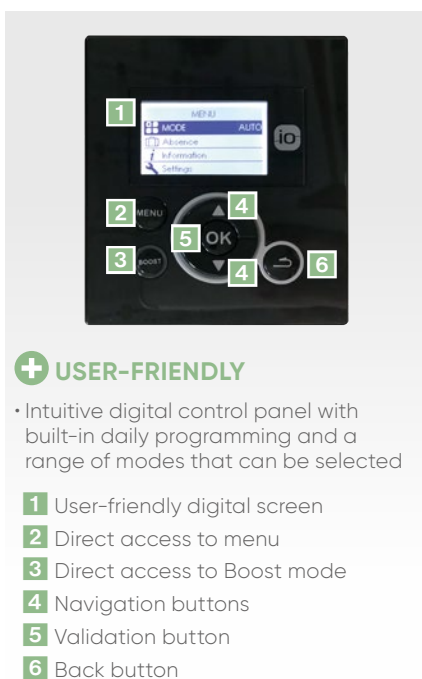
- ACI hybrid anti-corrosive protection
- Steatite Technology: ceramic heating element protected by a sleeve to limit scaling
- Diamond-quality glass lining for long life and reliability
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent corrosion around the flange

### + INSTALLATION

- Space-saving solution for installation even in small rooms thanks to outdoor unit
- Easy mounting for wall fixation
- Installation recommended in geographies with temperatures ranging from -15 to 37°C

### + ENERGY SAVINGS

- Smart energy consumption control
- Energy savings using high-performance heat pump
- CFC-free high-density insulation around tank for higher energy savings
- High-efficiency water inlet



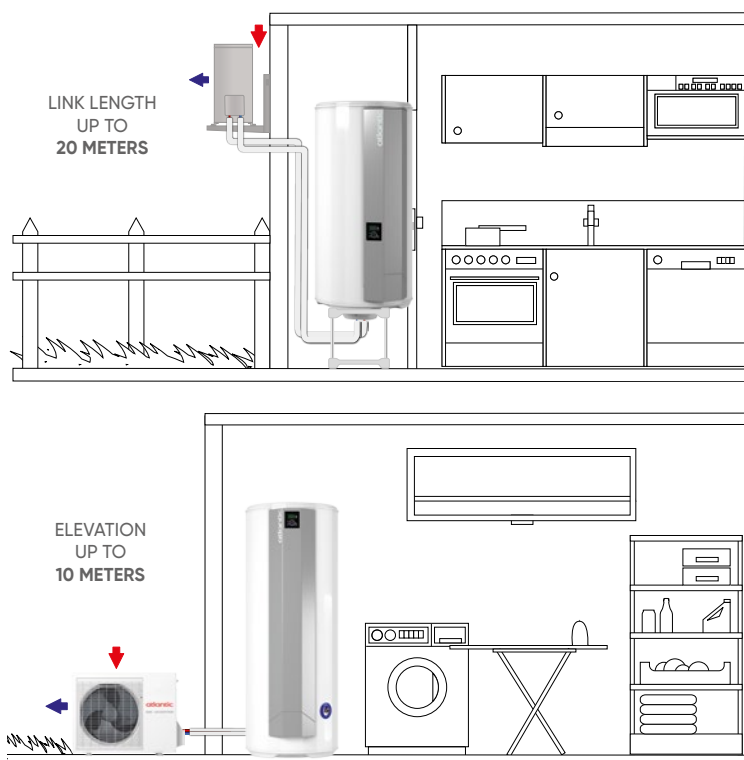
### + USER-FRIENDLY

- Intuitive digital control panel with built-in daily programming and a range of modes that can be selected

- 1 User-friendly digital screen
- 2 Direct access to menu
- 3 Direct access to Boost mode
- 4 Navigation buttons
- 5 Validation button
- 6 Back button



Steatite  
TECHNOLOGY



**ACI**  
hybrid

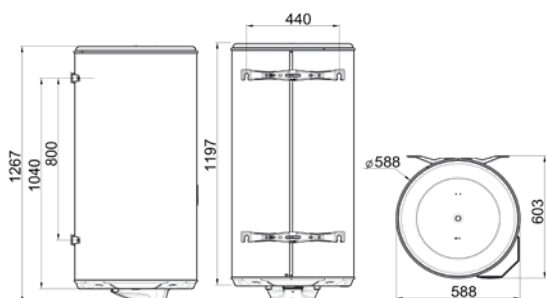
Patented ACI hybrid technology guarantees you:

- ➕ Permanent tank protection for all water types
- ➕ Limited scaling and easy maintenance
- ➕ Immediate, permanent protection thanks to the combined continuous current generated by the titanium anode and magnesium

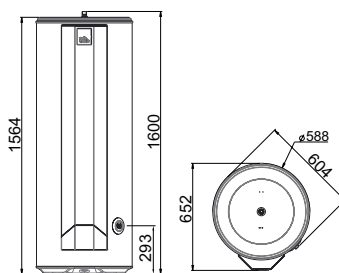
## Technical specifications

| Specifications                           | Wall-mounted     | Floor-standing   | Outdoor unit    |
|--|------------------|------------------|-----------------|
| Model                                    | 200              | 270              | -               |
| ErP class                                | A+               | A+               | -               |
| Profile                                  | L                | XL               | -               |
| V40 ErP (L)                              | 259              | 348              | -               |
| Voltage frequency (V/Hz)                 | 230/50           | 230/50           | 230/50          |
| Maximum heat pump power consumption (W)  | -                | -                | 1100            |
| Heating element power (W)                | 1800             | 1800             | -               |
| COP (at Tair = 7°C)                      | 2.90 (L)         | 3.29 (XL)        | -               |
| Heating time (at Tair = 7°C)             | 3h02             | 4h26             | -               |
| Refrigerant fluid                        | -                | -                | R410A           |
| Refrigerant fluid load (g)               | -                | -                | 850             |
| Acoustic power (dB(A))                   | -                | -                | 58              |
| Dimensions (height x width x depth) (mm) | 1284 x 580 x 609 | 1618 x 580 x 648 | 535 x 743 x 293 |
| Weight (kg)                              | 55               | 66               | 26              |

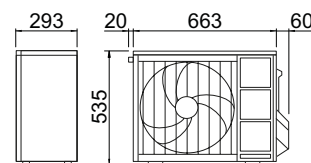
CE



VERTICAL WALL-MOUNTED 200



FLOOR-STANDING 270



OUTDOOR UNIT



# Explorer

High-performance heat pump water heater with or without coil



## CONNECTIVITY



Connect and control your heat pump water heater remotely using the **Cozytouch** application



**Cozytouch Bridge** required

## HEAT PUMP WATER HEATER

MODELS 200 TO 270  
(Floor-standing)



### + COMFORT

- Capable of producing hot water using several different energy types : heat pump, electric back-up, boiler and solar (thermal and photovoltaic)
- Wide heat pump temperature range (-5 to 43°C)
- Household-friendly noise level (53 dB(a))
- Comfort using electric back-up
- Re-circulation connection to provide comfort on all points-of-use (versions with coil only)
- Can be tilted down on one side for easy transport
- Remote control via your smartphone using the Cozytouch application

### + DURABILITY

- ACI hybrid anti-corrosive protection
- Steatite technology: ceramic dry heating element protected by a sleeve for limited scaling and easy maintenance
- Diamond-quality glass lining for long life and reliability
- Pressure relief valve
- Dielectric union
- Specific lip gasket to prevent rust around the flange

### + INSTALLATION

- Easy to install with adjustable & ducted air inlet/outlet and adjustable feet

### + ENERGY SAVINGS

- High efficiency thanks to a COP > 3\*
- Photovoltaic mode automatically chooses solar energy to produce a store of hot water, maximising own energy consumption (set lower T<sub>water</sub> overnight)
- Large coil optimised for fast heating, adapted to low-temperature devices (versions with coil only)
- More environmentally friendly R513A refrigerant (vs. R134A refrigerant)
- CFC-free high-density insulation for higher energy savings
- High-efficiency water inlet



### + USER-FRIENDLY

- Digital control panel with built-in day-to-day programming and a range of modes that can be selected

- 1** Menu button with access to general information, energy consumption and mode selection (Boost, Auto, Manual, Absence)
- 2** Control knob for temperature adjustments
- 3** Temperature selection button
- 4** Return to previous screen view
- 5** Graphical display of active mode and energy consumption statistics



Steatite  
TECHNOLOGY



- 1 Evaporator
- 2 High-efficiency heat pump with wide temperature range
- 3 Intuitive control panel
- 4 **DIAMOND-QUALITY ENAMEL**
- 5 **ENAMEL-COATED SLEEVE AND STEATITE HEATING ELEMENT**
- 6 Coil (1.2 m<sup>2</sup>): Solar mode & Boiler mode
- 7 Adjustable air inlet/outlet (360°)
- 8 **ACI HYBRID ANTI-CORROSIVE PROTECTION**
- 9 Adjustable feet




**ACI**  
hybrid

Patented ACI hybrid technology guarantees you:

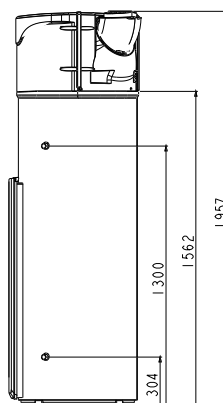
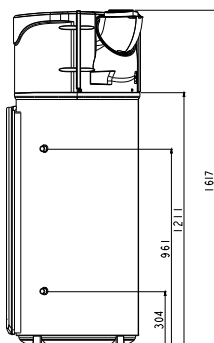
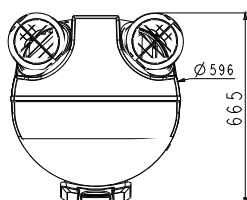
- ⊕ Permanent tank protection for all water types
- ⊕ Limited scaling and easy maintenance
- ⊕ Immediate, permanent protection thanks to the combined continuous current generated by the titanium anode and magnesium

## Technical specifications

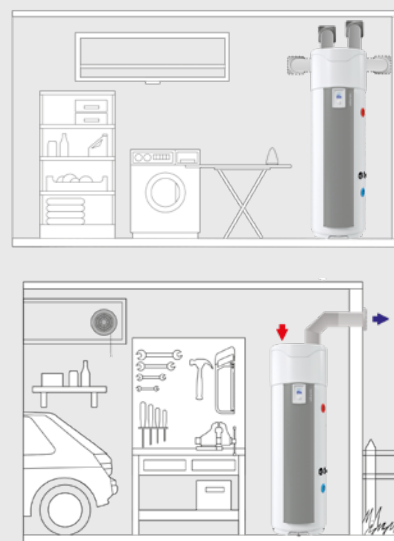
| Specifications                                       | Model  |                                 |                  |                                 |
|--|--|---------------------------------|------------------|---------------------------------|
|  | 200  | 200 <sup>(1)</sup><br>With coil | 270              | 270 <sup>(2)</sup><br>With coil |
| Dimensions (height x width x depth) (mm)             | 1617 x 620 x 665   |                                 | 1957 x 620 x 665 |                                 |
| Net weight (kg)                                      | 80   | 97                              | 92               | 111                             |
| Rated water pressure (bars)                          | 8  |                                 |                  |                                 |
| Electrical connection (V/Hz)                         | 230V single phase/50 Hz  |                                 |                  |                                 |
| Maximum total power consumed by the device (W)       | 2500   |                                 |                  |                                 |
| Maximum power consumed by the heat pump (W)          | 700  |                                 |                  |                                 |
| Power consumed by electric back-up (W)               | 1800   |                                 |                  |                                 |
| Water temperature range by heat pump (°C)            | 50 to 62°C   |                                 |                  |                                 |
| Heat pump air temperature range of use (°C)          | -5 to +43°C  |                                 |                  |                                 |
| Vacuum air flow (ambient installation) (m³/h)        | 390  |                                 |                  |                                 |
| Acoustic power (dB(A))                               | 53   |                                 |                  |                                 |
| Refrigerant fluid R513A capacity (kg)                | 0.8  |                                 | 0.86             |                                 |
| Coil surface (m²)                                    | 1.2  |                                 |                  |                                 |
| Heating up time (at Tair 7°C)                        | 7h52   | 7h53                            | 10h49            | 10h52                           |
| V40 (at Tair 7°C)                                    | 265  | 261                             | 356              | 358                             |
| COP at Tair 7°C <sup>(3)</sup> (ducted installation) | 2.8  | 2.8                             | 3.2              | 3                               |
| COP at Tair 15°C <sup>(3)</sup> (ambient)            | 3.1  | 3.1                             | 3.5              | 3.5                             |
| COP at Tair 20°C <sup>(3)</sup> (ambient)            | 3.2  | 3.3                             | 3.8              | 3.8                             |
| Recirculation connection                             | Available for models with coil   |                                 |                  |                                 |
| Profile  | L  |                                 | XL               |                                 |
| ErP class  | A+  |                                 |                  |                                 |

(1) ErP capacity is 195 L (2) ErP capacity is 260 L (3) Compliant with EN 16147 conditions

\*For Explorer 270 at Tair 7°C



Ajustable air inlet/outlet



Suitable for all installations  
(low ceilings, corners, etc.)

RENEWABLE  
ENERGY  
WATER HEATERS

ELECTRIC ROOM  
HEATING

ACTIVE HEAT  
CONVECTORS

HD HEATING  
PANEL

EXTENSIVE  
HEAT PANEL

GENTLE HEAT  
RADIATORS

BATHROOM  
HEATING

COMPACT  
BATHROOM  
HEATERS

BATHROOM  
RADIATORS

# Heat pumps water heater smart functions & features



## AUTO MODE

With Auto mode, heat pump water heaters fit perfectly into your life, learning your habits from one week to another and memorising them to provide you with everyday comfort by anticipating your needs, along with optimised energy savings.



## CONNECTIVITY

Heat pump water heaters are compatible with Cozytouch technology (learn more on p.6) for remote control using a smartphone or tablet. With Cozytouch, you can monitor your appliance in real time (setting temperatures, monitoring electricity use, etc.) and tailor your everyday comfort, security and energy consumption to your standards. Cozytouch gives you complete control over your daily comfort and your energy-saving requirements.



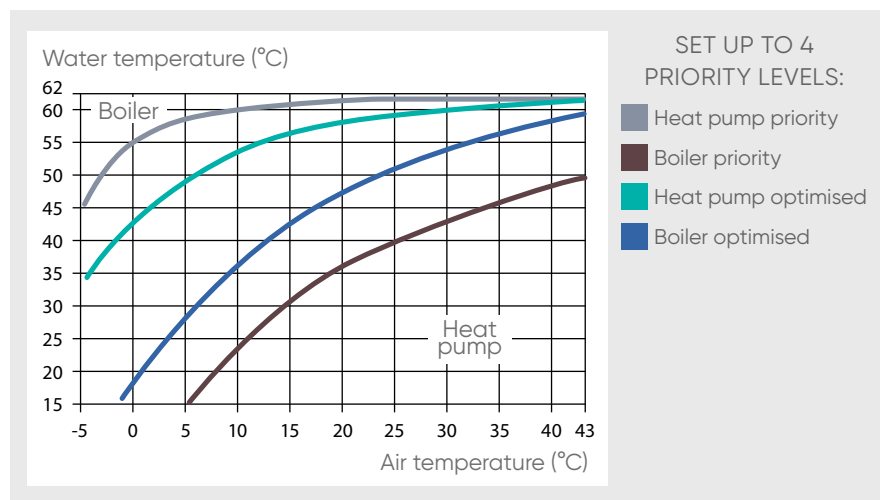
Cozytouch



## SMART ENERGY\*

When connected to a boiler system, Explorer activates its Smart Energy function, which helps choose the right energy source at the right moment, factoring in the air and water temperature, by calculating its energy consumption.

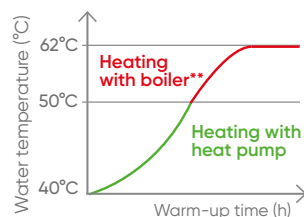
**Therefore, Smart Energy grants the most efficient and cost-effective Explorer performance when connected to a boiler system.**



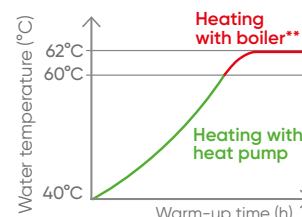
## HEATING CYCLE EXAMPLES AT 2 DIFFERENT AIR TEMPERATURE conditions with pre-selected HEAT PUMP OPTIMISED mode



AMBIENT AIR AT 5°C



AMBIENT AIR AT 25°C



\*Model with coil only. \*\*Heating with electric back-up if boiler is off