

CAELIO DHW HP
Domestic Hot Water
Heat Pump





SMART HOME ENERGY MADE EASY

Together, let's build a smarter, greener future.

For over 125 years we have been providing you with innovative and reliable solutions. Today, we're bringing that same commitment to the world of Smart Home Energy with a complete, easy-to-install system that combines solar power, energy storage, Domestic Hot Water Heat Pump and EV charger into one seamless ecosystem.

This is more than just a collection of products, it's a fully integrated solution, designed with installers in mind. From plug-and-play setup to centralised control via our Energy Management System, every component works together to simplify installation, optimise system performance, and reduce service time.

The **Domestic Hot Water Heat Pump** plays a key role in this energy ecosystem, providing comfort, reducing energy consumption, and using available renewable energy as efficiently as possible.

The result? A connected energy system that empowers households to become more self-sufficient, more sustainable, and more in control while giving you a straightforward, high-value solution to grow your business.



Solar Panels

Capture the abundant energy of the sun.



Energy Storage

Ensure a reliable supply.



Energy Management System

Stay in total control.



DHW Heat Pump

Provide cost-effective hot water.



EV Charger

Power your electric car.



Caelio Domestic Hot Water Heat Pump

The perfect balance of efficiency and sustainability

The Caelio Domestic Hot Water Heat Pump is a reliable, low-energy solution for any homes, whether it's a new build or an existing property. It provides hot water independently of the heating system, drawing renewable heat from indoor or outdoor air to deliver energy-efficient domestic hot water all year round.

Designed for flexibility, Caelio can extract heat from ambient room air (helping to dehumidify utility spaces and protect building structures) or from outside air, even down to -5°C. When connected to a photovoltaic system, it acts as a sustainable energy buffer, turning solar surplus into stored hot water, helping homeowners save energy while increasing system self-consumption.

Available in 200L and 300L models, Caelio combines robust performance with quiet operation, a compact footprint, and a straightforward setup that installers can rely on.



Key features of the Caelio DHW Heat Pump:

- ErP energy class A+ for high efficiency.
- Quiet operation down to 35 dB(A).
- Uses eco-efficient R290 refrigerant with low environmental impact.
- Works with indoor or outdoor air, down to -5°C.
- Compact design for flexible installation.
- Enamel-coated tank.
- Compatible with photovoltaic systems.
- Colour touchscreen for easy control and monitoring.

Immediate and long-term savings

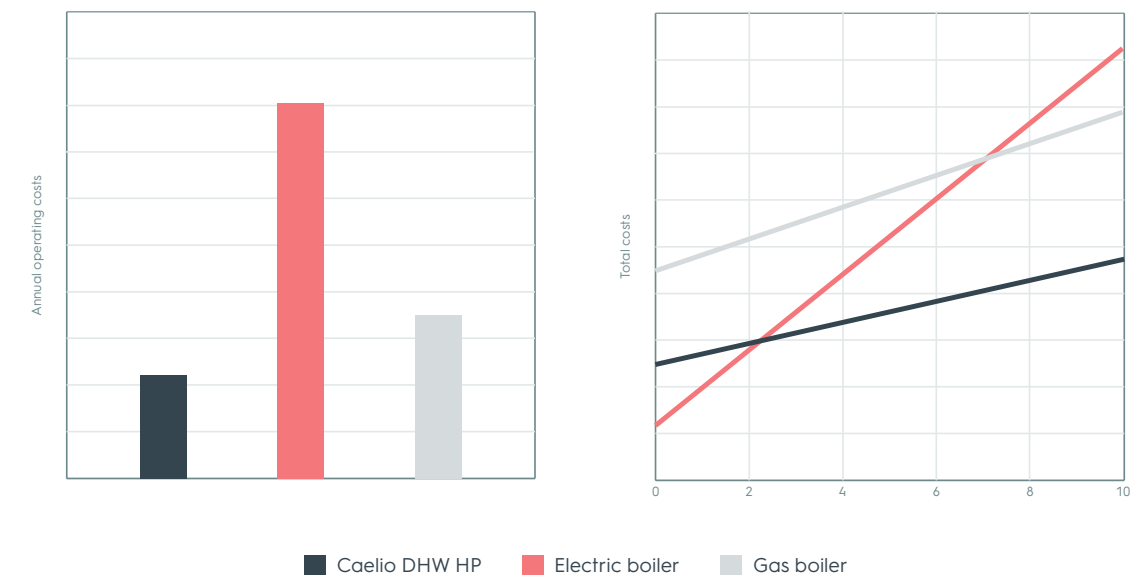
Choosing Caelio over traditional electric or gas boilers isn't just about efficiency, it's about cost-effectiveness from day one. Lower running costs, compatibility with renewable energy sources, and high efficiency mean your customers start saving right away and continue to save for years to come. The following comparisons show how Caelio outperforms on both annual operating costs and total costs of ownership.

Operating costs per year*

When compared directly to an electric boiler or a gas boiler, Caelio clearly leads in efficiency from day one. Thanks to its advanced heat pump technology, use of R290 refrigerant, and ability to work with renewable sources like photovoltaic power, its yearly operational costs are significantly lower.

Total costs over the years*

Over time, the savings become even more obvious. Within just two years, Caelio overtakes both electric and gas boilers in total costs of ownership. The lower running costs year after year make it the most economical choice, while also reducing CO₂ emissions.



* All costs include installation. Calculations based on 2025 energy prices. CO₂ pricing and future energy price increases are not included.

Efficient and silent by design

Thanks to advanced acoustic insulation, Caelio operates at noise levels as low as 35 dB(A) making it suitable for indoor spaces like laundry rooms, basements, or utility areas without disturbing the living environment. It's quiet, stable, and designed to run efficiently without interruptions.

Solar-ready and energy-smart

By integrating with photovoltaic systems, Caelio becomes a smart part of the home's renewable energy setup. During the day, it can use excess solar power to produce and store hot water, effectively acting as a thermal battery. This helps maximise self-consumption and reduce energy bills.

Eco-efficient refrigerant, real performance

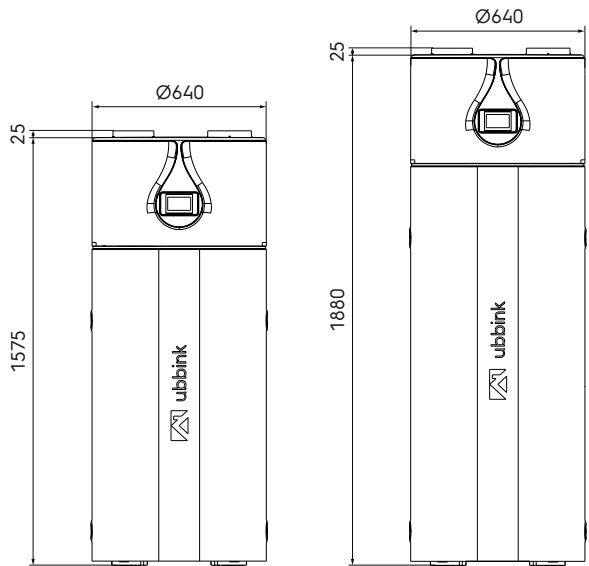
Caelio uses R290 (propane), an eco-efficient refrigerant with zero Ozone Depletion Potential (ODP) and ultra-low Global Warming Potential (GWP), in a system optimised for performance and safety. With just 150g of refrigerant, it meets IEC safety standards while delivering COPs up to 3,91 at 14°C. That means lower environmental impact and real energy savings for the homeowner.

Key specifications

The performance data refer to new appliances with clean heat exchangers.

Specifications	DHW HP 200	DHW HP 300
General		
Trademark	Ubbink	
Model name	DHW HP 200	DHW HP 300
Appliance type	Domestic Hot Water Heat Pump	
Gross weight / Net weight	113 kg / 96 kg	129 kg / 111 kg
Net dimensions (LxWxH)	640x640x1600 mm	640x640x1905 mm
Shipping dimensions (LxWxH)	720x720x1760 mm	720x720x2070 mm
Hydraulics		
Nominal volume	200 L	300 L
Connections	3/4"	
Water temperature with heat pump maximum	65 °C	
Water temperature with heating element maximum	75 °C	
Refrigeration circuit		
Type of refrigerant	R290	
General performance data		
Water heating energy efficiency class (according to (EU) No 812/2013 ANNEX II Table 1)	A+	
Volume at 1 meter LpA	38 dB(A)	35 dB(A)
Load profile (14°C/20°C)	L	XL
Coefficient of performance (14°C/20°C)	3,53	3,91
Maximum volume of mixed water at 40°C (14°C/20°C)	276 L	367 L

Product dimensions



Discover more on our website:

Installation manual, technical datasheet, installation video...

Complete your installation the smart way

All the right components for a fast, reliable, and energy-efficient result

To make your job easier, Ubbink offers all the components needed for a professional and energy-efficient installation of the Caelio Domestic Hot Water Heat Pump. From ductwork to terminals and seals, all parts fit seamlessly for a hassle-free setup and long-lasting performance.

Roof and wall terminals

The Ventus, Valetis, and Contego terminals ensure proper air supply and/or exhaust for the Caelio unit. Designed for easy, airtight, and weatherproof installation through roofs or walls:

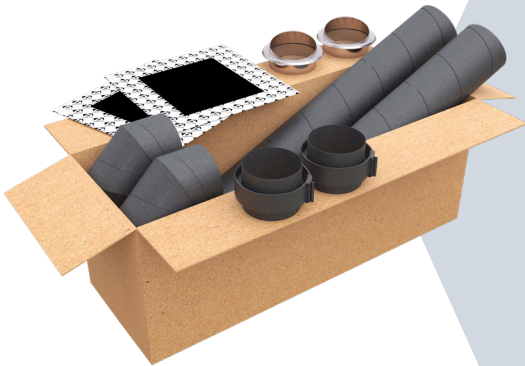
- **Ventus:** Insulated roof terminal with adjustable tilt for supply or exhaust air through pitched or flat roofs.
- **Valetis:** Low-profile roof terminal for exhaust air, ideal next to solar panels.
- **Contego:** Sleek wall terminal for fast, clean façade installation. For supply or exhaust air.

Airtight seals

The self-adhesive or screw-fixed seals ensure airtight wall and roof penetrations, protecting building integrity and system performance.

Aerfoam mass flow ductworks

Insulated Aerfoam ducts transport air to and from the unit efficiently. Lightweight and easy to install, they prevent energy loss and condensation.



All-in-one installation kit

For even greater efficiency on site, Ubbink offers a complete connection kit. It includes everything you need for a clean, airtight setup:

- 2 Aerfoam insulated ducts (1000 mm)
- 2 Aerfoam insulated 90° bends
- 2 Aerfoam coupling pieces
- 2 stainless steel wall inlet caps
- 2 airtight self-adhesive seals

Save time sourcing parts and ensure a smooth installation process from start to finish.



ENERGY



VENTILATION



BUILDING



Ubbink International

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