

# DUAL-HEAT PUMP SYSTEM



ADLÄR CASTRA



ADLÄR



# Revolutionise Your Home Heating with the Adlår Heat Pump



## Greater Efficiency

By heating your heating and hot water systems separately, we achieve significantly better performance than single heat pump systems. One customer even reported a 61% improvement in cost savings after switching from a single heat pump to our dual heat pump solution.

## Superior Comfort

Relax in total comfort with our ultra-quiet, noise-minimised design. When summer arrives, simply switch off the outdoor unit and enjoy blissful peace – indoors and out.

## Better Value

Buying direct from the manufacturer means outstanding value for money – no middlemen, no unnecessary markups. Plus, you benefit from our deep expertise: we know our products inside and out and continuously improve them based on direct feedback from customers like you.

At the heart of our system are two distinct heat pumps working in harmony. The Aurora II, fully electric and gas-free, efficiently heats your home. Meanwhile, the innovative Fjord II hot water cylinder keeps domestic hot water and heating separate – delivering greater efficiency, flexibility, and performance benefits.

## Save £7,500 on your Installation

Thanks to the Boiler Upgrade Scheme (BUS), you can cut £7,500 off your installation costs – making our premium Adlår heat pump system even more affordable and offering better value than many competitors.



Top-quality components from leading brands like Panasonic & Grundfos.



Exceptional efficiency with Higher COP and SCOP ratings ensure lower energy bills.



Competitively priced with long-term savings on bills & maintenance.



Experience peace of mind with our whisper quiet operation and extensive warranties.



### AURORA II: Heating Heat Pump

Engineered with premium components from trusted brands like Panasonic, Grundfos, and Alfa Laval, the Aurora II delivers exceptional quality, reliability, and performance.

- Whisper Quiet
- 7 Year Warranty\* (with Platinum package)



### FJORD I: Hot Water Heat Pump

The Fjord I has redefined hot water systems – meticulously engineered to deliver superior water quality, outstanding reliability, and exceptional efficiency for all your hot water needs.

- Coefficient Of Performance: 3.8
- Highest Water Quality

## Unique Features:

---

### Air Cooling

Our ASHP cylinders do more than just heat water — they produce cool air as a byproduct. In winter, we vent this waste air outside or into unused spaces above insulation, but in summer, we can redirect it into your living spaces to help keep your home cool and comfortable.

### PV Solar Thermal Battery

We can seamlessly integrate your solar system with our heat pumps, transforming your cylinder into a highly efficient thermal battery — delivering up to 3.8x the efficiency of a typical Solar iBoost system.

### Quiet and Peaceful Outdoor Space

When you only need hot water, your outdoor unit can stay off — just when you're most likely to be enjoying your garden.

### Electric Anode

Our cylinders can be fitted with an advanced electric anode, which helps balance your water's mineral content by reducing calcium, impurities, chlorine, and heavy metals — resulting in cleaner water with an almost neutral pH.

### More Control - Separate Heating and Hot Water

Unlike most heat pump and heating systems, where you have to choose between hot water or heating, Adlär's dual heat pump system ensures you always have both — at the same time.





## Superior Comfort:

### Priority Hot Water & Heating

Unlike most heat pump and heating systems, where you can't have hot water and heating at the same time, Adlår's dual heat pump system ensures you always have both – simultaneously and without compromise.

### Cleaner Water

Our cylinders can be equipped with an electric anode that neutralises harmful substances in your water. For added protection, you can also upgrade to include a salt-free water softener – improving water quality throughout your home.

### Outdoor Heat Pump off when your in your garden

When you only need hot water, your outdoor unit can stay off – perfect for those times when you're most likely to be relaxing in the garden.

### Lower Energy Bills

With an Adlår system, you can enjoy complete peace of mind – knowing you're investing in superior performance, greater comfort, and lower energy bills.

## Higher Efficiency:

### High temperature from internal air

Our hot water cylinder heat pump draws warmth from your indoor air temperature – typically around 15°C dry / 20°C wet, far milder than the ~2°C conditions used for standard SCOP calculations. This means we achieve an impressive COP of 380% at 50°C, delivering exceptional efficiency for your hot water needs.

### Direct into emitters, reduced system losses

We've engineered an inline system that eliminates the need for a low-loss header tank – a component that typically wastes 3–5% of heat. As a result, our heat pump can run at lower temperatures while still delivering the same comfortable warmth to your radiators or underfloor heating, boosting efficiency and reducing energy use.

### Superior Equipment

Adlår heat pumps are built exclusively with Tier 1 components, featuring core parts from industry leaders Panasonic and Grundfos – ensuring exceptional reliability, performance, and longevity.

### Smarter heating

Because our heat pumps sit outside, they automatically sense external temperatures and adjust their output accordingly – keeping your home at a consistent, comfortable temperature without the need for manual adjustments.



## Better Value:

### Market Leading Technology

We combine cutting-edge design with best-in-class components to deliver a heat pump system that outperforms the competition. From advanced controls and smart integration to superior efficiency and reliability, every detail is engineered to give you the ultimate in comfort, performance, and peace of mind.

### Direct from the manufacturer

When you come directly to Adlår for your heat pump, you get more than just a product—you get expert support, transparent pricing, and faster delivery. By cutting out the middlemen, we ensure clear communication, better value, and a tailored experience from the people who know your system best.

### Faster Installs – less disruption

Our streamlined system is designed for quicker installation, minimising disruption to your home. Plus, when you only need hot water, the outdoor unit can stay off – perfect for those moments when you're enjoying your garden in peace.



## Market Leading Technology:

### PV & Solar Thermal Connections

If you already have solar panels, they can be easily connected to our heat pumps – allowing you to generate nearly all your hot water during summer and sunny weather using your existing solar system.

### Smart Heat Curves

By combining outdoor conditions, indoor temperatures, and your personal preferences, our heat pump automatically adjusts its output – ensuring your home stays at the perfect, consistent temperature year-round.

### Wi-Fi APP Control

Dual-heat pumps, means dual-APP control, allowing you maximum control over your temperatures, settings, and efficiencies.

### Smaller Footprint

Our in-line heating setup reduces complexity in the system. This reduces the number of high-failure point parts in the system (such as valves and motors), but also reducing the size needed of large internal equipment.

### Electric Anode Filter

Our cylinders can be fitted with an electric anode that helps balance your water's mineral content by reducing calcium, impurities, chlorine, and heavy metals – resulting in cleaner water with an almost neutral pH.

### Whisper Quiet

Our ultra-silent technology ensures exceptionally quiet performance. The Aurora II 6, 10, and 14 kW heat pumps all meet (EU) No 813/2013 standards for outdoor sound power – even when measured right next to the unit – so you can enjoy comfort without noise.

## Fastest Payback:

### Hot Water 50°C 380% Efficiency

In our dual heat pump system, your high-temperature hot water is heated using warmth from internal air – enabling us to achieve an impressive COP of 380%, delivering industry-leading efficiency.

### Heating SCOP 415~489% Efficiency

Thanks to our optimised design flow temperature, the heating side of our system can achieve efficiencies exceeding 400%. With the gas-to-electricity price factor at around 3x, this means a well-designed system could reduce your energy bills by approximately 33%.

### Lower losses in the system

By connecting directly to your emitters – without 3-port valves and with efficient, electronically controlled pumps – we cut system losses by at least 3-5% compared to traditional boiler systems, improving overall efficiency and performance.

### Reduced Cost - 1 Day Install

Because we install our own units, we've streamlined the entire process. What typically takes other companies 4-5 days, we complete in just 1 – significantly reducing labour costs, with those savings passed directly on to you.

### Reduced Cost - Direct from manufacturer

By cutting out the middleman, there's no conflict between installer and manufacturer – we take full responsibility for your system, from design to installation. Fewer parties also mean lower costs, and we pass those savings on to you, so you get superior equipment at a better price.

### Constant temperature control - smarter heating

Our dual heat pump setup allows both units to operate within a stable temperature range, rather than constantly jumping between extremes. Combined with our smart app control, you have complete flexibility – the system gently maintains your ideal temperature, adjusting just a degree at a time, instead of sudden swings of 10-15 degrees, ensuring comfort, efficiency, and longevity.

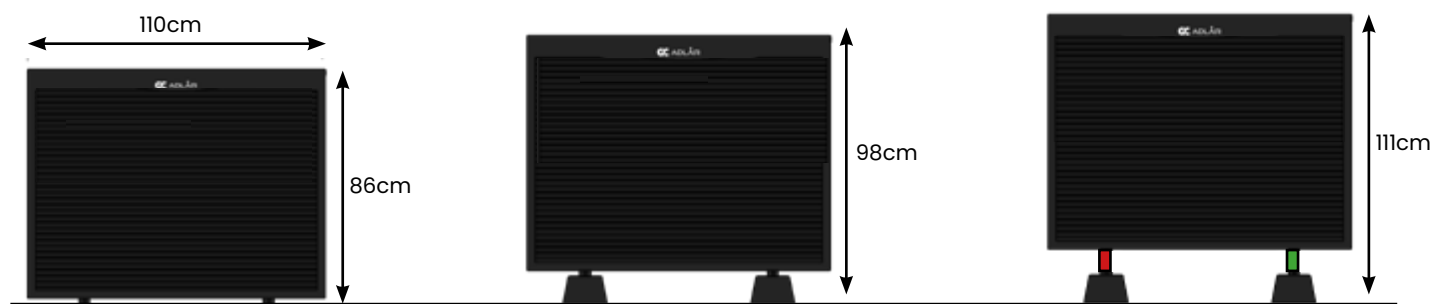


## Heat Pump Dimensions

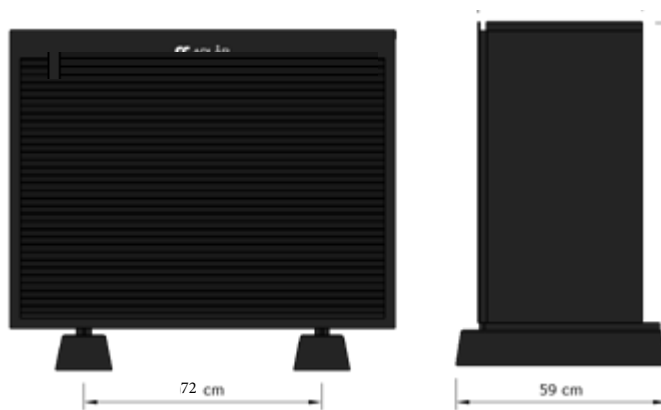
### C. External Pipework - Underground



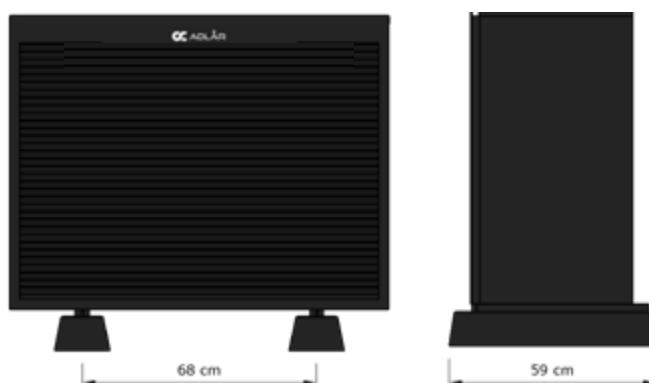
### AURORA II - Height



### AURORA II - 6&10kW

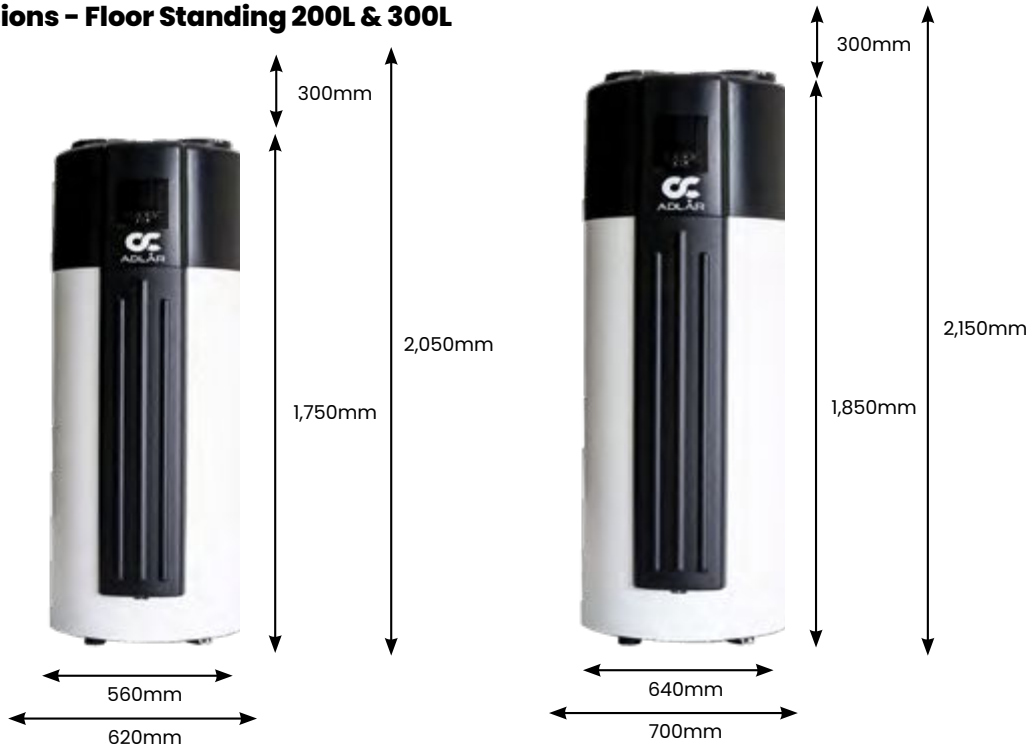


### AURORA II - 14kW

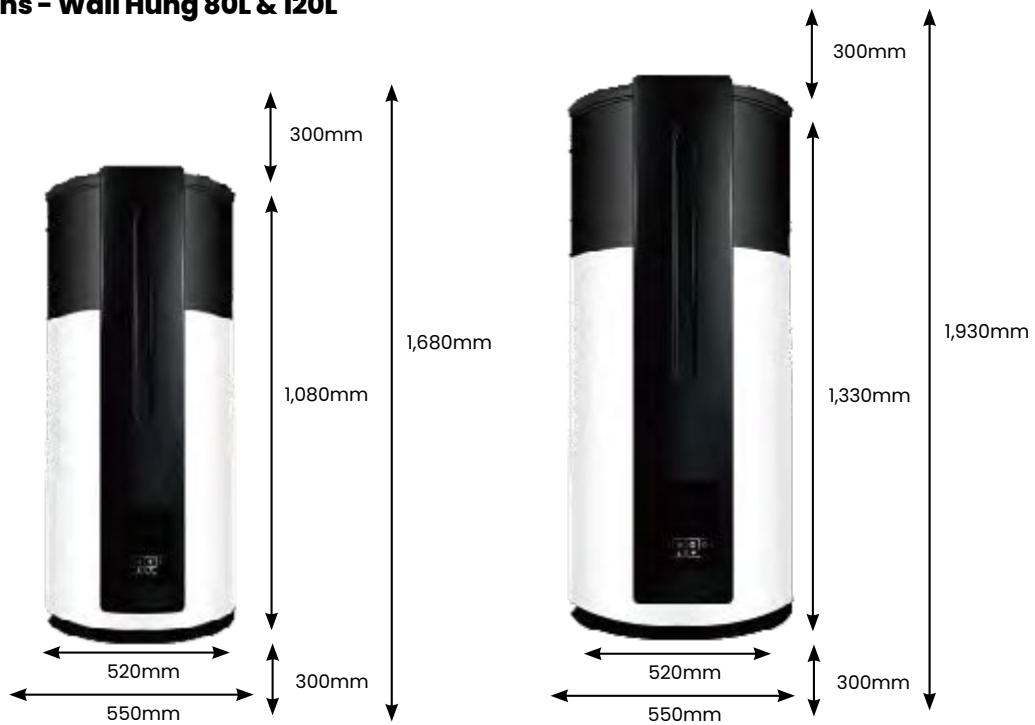




### Dimensions - Floor Standing 200L & 300L



### Dimensions - Wall Hung 80L & 120L



## Declaration of conformity to legal standards

Surrey, UK. 01-07-2025

### Noise Pressure Standards

We declare that the Adlår Castra Aurora II 6-, 10- and 14-kW heat pumps comply with the (EU) No 813/2013 standard regarding outdoor sound power, measured directly next to the heat pump. The legal standards apply as follows:

#### Noise pressure:

During the day (07:00 to 19:00) maximum 45 db(A).

During the night (19:00 to 07:00) maximum 40 db(A).

The maximum sound pressure of the AURORA II (open field test) is:

	1 meter away	2 meters away	Nightmode (at source)
6 kW	42 dB(A)	36 dB(A)	Between 27 dB(A) and 38 dB(A)
10 kW	43 dB(A)	37 dB(A)	Between 28 dB(A) and 38 dB(A)
14 kW	47 dB(A)	41 dB(A)	Between 30 dB(A) and 38 dB(A)

For further details on conformity, please refer to the Noise Standard itself (EU) No 813/2013.

### Other legal standards

Adlår Castra also declares that it complies with the following legal standards:

- EN 14825:2018
- EN 12102-1:2017
- EN14511-4:2018
- (EU) No 813/2013
- EU 2016/2282:2016-11-30
- EN60335-1:2012/A15:2021
- EN60335-2-40:2003/A13:2012
- EN62233:2008

With warmest regards,

**Team Adlår**

### Customer Reviews

**"As it turns out, the heat pump is so efficient that we now have it set on the lowest setting we can, and the house is still warmer than it ever was previously using a boiler. It is so much better than a boiler and we are very pleased with the outcome."**

**"Adlar's team were great. They were fast to act and the most competitive quote which factored in the use of my prepurchased dual input cylinder, allowing for a future solar adaptation."**

**Most importantly the hot water is warm and the heating on and very comfortable just in time for winter."**

**"The other main reason for choosing Adlar was the fact that the hot water cylinder has its own built-in heat pump, meaning it can be run totally independently of the main pump - a massive bonus in warmer months, ...and thus make better use of low-tariff electricity."**