



Display Guide

Aurora II & FJORD I

6 | 10 | 14 kW

80 | 120 | 200 | 300 L

Welcome to your Adlår Heat Pump

Congratulations on choosing sustainable heating. To ensure that you get the most out of your heat pump, we have put together a concise and easy-to-use operating manual for you. Let's get started!

Maintenance Tips:

To keep your heat pump in top condition, simply follow a few guidelines. Clean the dirt filter regularly and keep the outside surface free of dirt and obstacles. For professional maintenance, the Adlår team is always ready to help you.

Need Help?

Do you have questions or are you stuck? Our support team are here to help. Feel free to contact us by phone or email, and we will be happy to help you.



Thank you for choosing the Adlår Heat Pump. We are confident that you will enjoy this user friendly and energy-efficient heating solution. Experience the comfort and sustainability that your heat pump offers all your round.

Warmest regards,
Team Adlår

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UNLOCK & LOCK DISPLAY

When the lock symbol  is displayed, press and hold  for 5 seconds. A confirmation sound will follow.

The screen will automatically lock after 60 seconds of inactivity.


SWITCHING THE HEAT PUMP ON/OFF

SWITCHING ON:

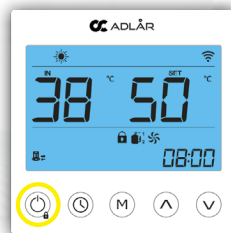
1. Hold  for 2 seconds to turn the heat pump **ON**

(Active mode symbol lights up in the display)

SWITCHING OFF*:

2. Hold  for 2 seconds to turn the heat pump **OFF**.

(Active mode symbol will no longer light up in the display)



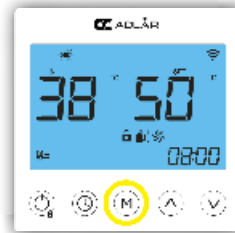
***IMPORTANT:** It is not necessary to turn off the heat pump. The dynamic heating curve control ensures that the heat pump never switches on when the set room temperature is lower than the desired temperature.

As soon as there is a need for heating again, the heat pump switches on automatically.

ACTIVE MODES:

Press the **M** button to change modes when the screen is unlocked.

SYMBOL	MODE
	Cooling
	Heating
	No function
	No function
	No function
	No function
	No function



IMPORTANT: Only use the **Cooling** or **Heating** modes.

The other modes have no function, which means the heat pump will not function correctly if selected.

OPERATING SYMBOLS:

During operation normal symbols are as follows:

- Circulation pump:** This symbol will appear in the bottom left of the display during most of operation. Two arrows indicate water is circulating.
- Fan:** This symbol will only appear when the fan is active. This will NOT remain ON all the time.
- Compressor:** This symbol looks like a tank with a flame. It will appear next to the fan symbol. This symbol will only appear when the heat pump is actively heating.



IMPORTANT: The symbols indicate operating modes. They are not permanently shown, and will change based on the operation state of the heat pump. If the set water is close to the inlet/outlet temperature then then symbols should turn off as the heat pump modulates.

SET WEATHER COMPENSATION MODE

*Note: Only works when the heat pump is turned ON,
See "Turning the heat pump ON/OFF"*

1. Press .



Is the right hand side temperature flashing (e.g. "45")?

--> Go to step 2

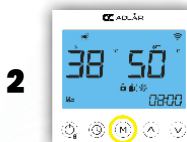
Is the right side temperature flashing with 2 letters (e.g. "HH5")?

--> Go to step 3

2. Hold  for 5 seconds.

3. Select your heating curve "HH8" by pressing  or .

*See heating curves on page 7
and cooling curves on page 8.*



SET HEATING LOW CURVES

*Note: only works when the heat pump is turned ON
See "Turning the heat pump ON/OFF"*

1. Press .



Is the right hand side temperature flashing (e.g. "45")?

--> Go to step 2

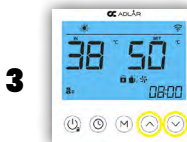
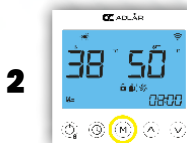
Is the right side temperature flashing with 2 letters (e.g. "HH5")?

--> Go to step 3

2. Hold  for 5 seconds.

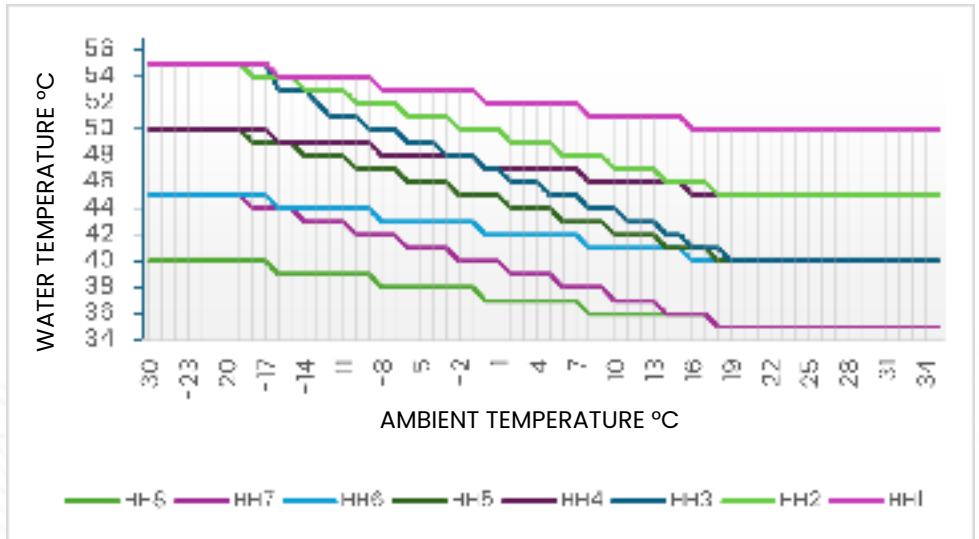
3. Select your heating curve "HL8" by pressing  or .

*See heating curves on page 7
and cooling curves on page 8.*

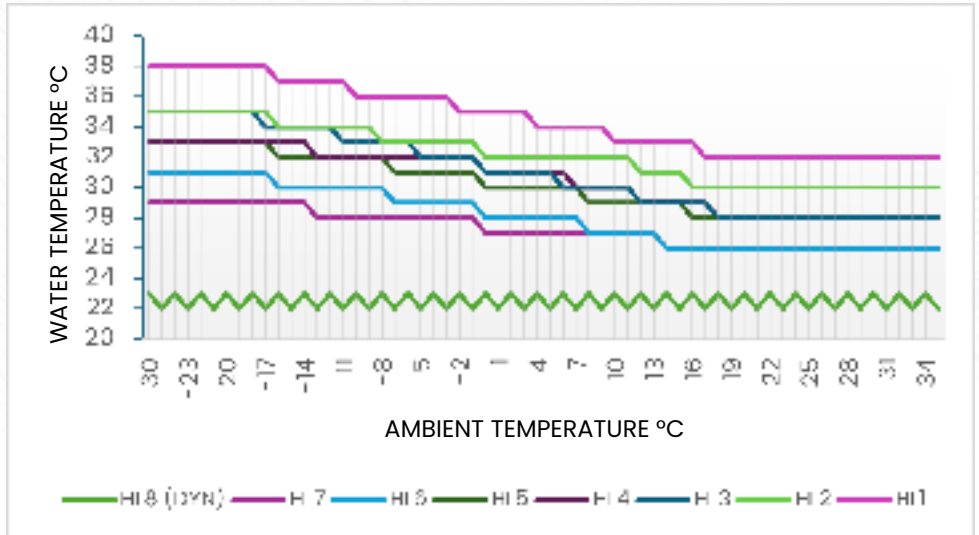


SELECT HEATING

HH1 - HH8

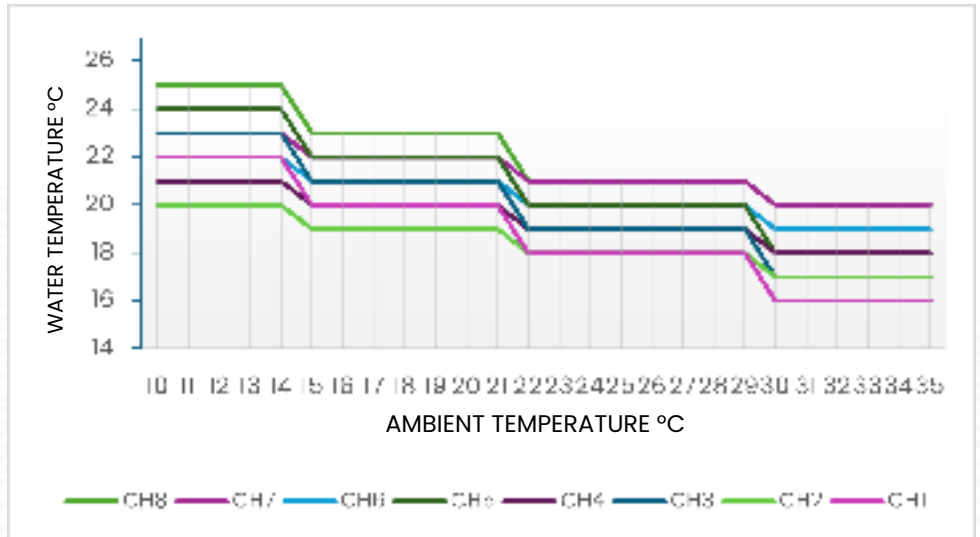


HL1 - HL8

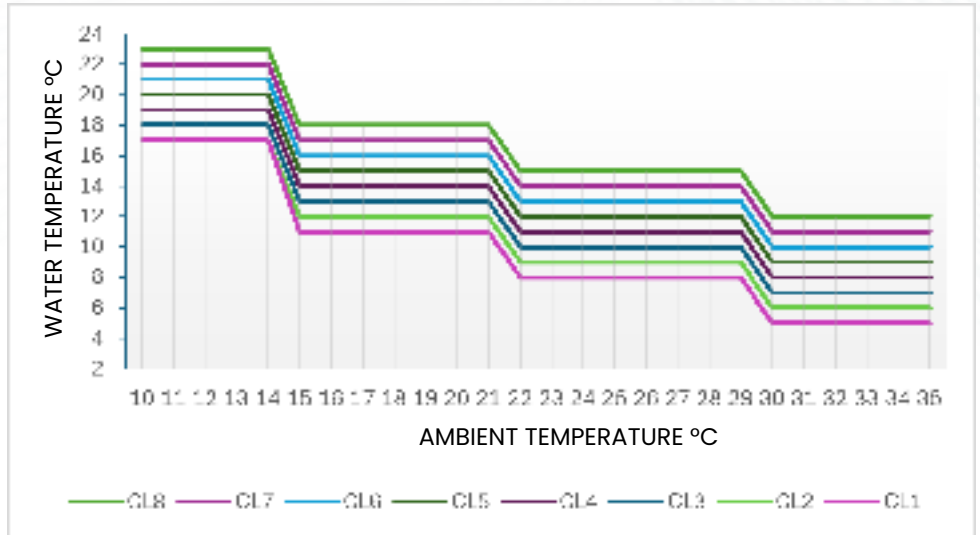


SELECT COOLING

CH1 - CH8



CL1 - CL8



WHICH HEAT CURVE SHOULD I SET?

The Aurora II heat pump heats on the basis of a weather compensation heating curve. Heating curves are curves that determine the temperature of the water that enters the house based on the outside temperature. This is the water that flows through the radiators or the underfloor heating. The warmer this water is, the warmer it becomes in the house.

In general, most houses can do with a low temperature heating curve. If you have good insulation and efficient underfloor heating, you will quickly get warm with HL8 - HL4. If you have radiators with radiator fans, you will quickly manage with HL4. If you have old radiators without fans, HL1 or a heating curve in the high temperature range (HH8-HH6) is generally recommended.

The horizontal axis (x-axis) indicates the ambient temperature (outside temperature), the vertical axis (y-axis) indicates the water temperature that the heat pump produces and enters the house.

The different coloured lines are the different heating curves, in the bottom graph you see for example curve 8 (HL8) this gives a water temperature of 25°C Celsius at an outside temperature of 10°C Celsius. This means that at an outside temperature of 10°C Celsius 25°C water flows through your radiators or underfloor heating.

Depending on the type of radiators or underfloor heating and the degree of insulation, it will be warm in your home. When commissioning the heat pump, the Adlar fitter will estimate which heating curve is suitable for your home. If it turns out not to be warm enough, you can set the heating curve a little higher. Example: the fitter has set HL6, but it is not warm enough in your home, you can set it to HL5. If it still doesn't get warm, you can set it to HL4, etc.

If it is too warm in the house, you can set the heating line a little lower. Example: the heating line is set to HL6, but it is getting too warm in the house. Then you can set the heating line to HL7. If it is still too warm, you can set it to HL8, etc.

Please note that the heat pump is a slow system, so let the heat pump run for at least 4 hours on a heating line before you decide whether the heating line should be higher or lower..

ECO / NIGHT MODE

This function limits the noise that the heat pump makes. It limits the maximum frequency of the compressor and fan, so that less noise is produced. Only use this function if you are bothered by the noise at night.

SWITCH ON:

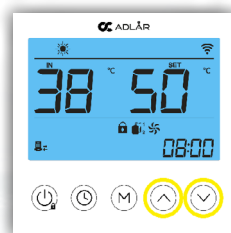
1. Press and hold and at the same time to switch ECO / NIGHT mode **ON**.

(The symbol will appear in the display)

SWITCH OFF:

2. Press and hold and at the same time to switch ECO / NIGHT mode **OFF** again.

(The symbol will no longer be visible in the display)



IMPORTANT: Reducing the maximum frequency also limits the maximum power. This may result in the desired temperature not being reached or maintained during cold periods. In that case, it is advisable to switch off the ECO / SILENT / NIGHT mode.

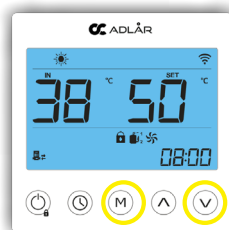
DEFROST MODE

This function puts the heat pump into defrost mode. You should activate this if your heat pump is turned on in very cold weather and ice has built up on the heat pump. To avoid this you should have your heat pump ON in cold weather, even if only at a very low output.

SWITCH ON:

1. Press and hold and at the same time to switch defrost mode **ON**.

(The symbol will appear in the display)



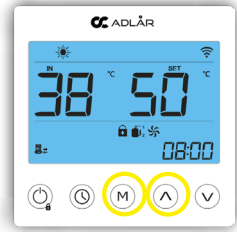
BOOST MODE

This function is only possible with buffer tank or secondary heater installations. Ask your service team about this if in doubt.

SWITCH ON:

1. Press and hold **M** and **^** at the same time to switch defrost mode **ON**.

(The symbol will appear in the display)



IMPORTANT: Flow rate is a critical component in heat pump installations. Adlår when commissioning your system will ensure the flow rate in your system is above 10 l/min. This is done when all zones and valves in the system are open.

If you close zones or radiators down you may influence the flow rate in the system. This is particularly the case in older properties. This can cause flow rate issues.

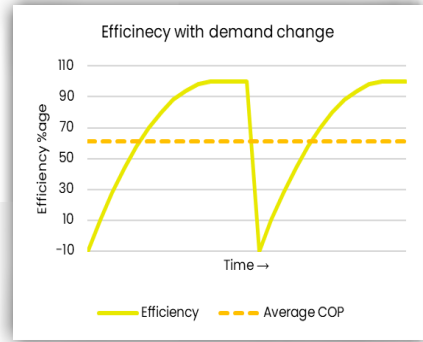
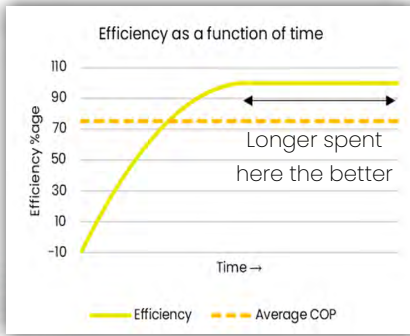
ON/OFF VERSUS CONSTANTLY ON – MOST EFFICIENT OPERATION

There is debate with boilers whether it is more efficient to have them on all day or on for intense periods of time. The logic behind the always on theory is that by allowing your home and system to cool down to outside temperatures your system has to work a lot harder and more intensely to heat back up and subsequently costs more to run.

In heat pumps there isn't really much debate, it just is better to run them constantly, keeping your heating system at a constant rate. See below for setting set-back temperatures in the smart app to allow you to run the system at lower temperatures at inactive times or at night to vary your comfort requirements, but it is key the heat pump remains on for the best performance and efficiency.

The same principle is applied in Eco washes for washing machines and dish washes, the ECO mode is always a longer wash, but uses less energy to achieve the result.

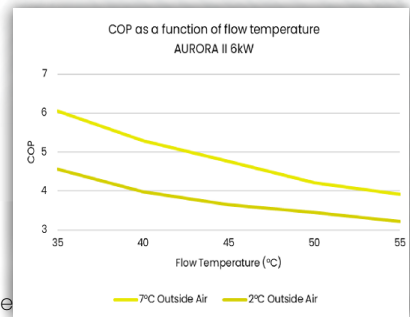
The following chart illustrates how heat pump efficiency works. On initial start-up a heat pump has negative efficiency (similar to a boiler), but once the compressor and system gets up to speed and temperature the efficiency is maximised. By turning the system ON and OFF your average efficiency drops.



CLOSING TRV VAVLES AND ZONING – MOST EFFICIENT OPERATION


Closing off rooms does not also result in lower energy costs. A few factors influence this.

- Heat Loss Internally:** Your homes heat loss calculation is based on external heat loss, but there is also heat loss internally. Generally the heat transfer between internal rooms is much higher than it is externally. In most UK homes internal walls aren't insulated, and of course internal doors often get left open.
- Increased demand:** By having a cold room next to, above, or below another room you wish to heat will increase the heat loss on the desired heated room.
- Volume and Flow Rate:** Heat pump efficiency works better with increased water volume and flow. By restricting the flow and volume of the system the heat loss around the house will be higher and therefore create a higher deltaT between outlet temperatures and inlet temperatures. By optimising flow and volume the heat pump can work at a much lower output.
- Lower running temperature:** If some rooms are getting too hot and you find you are isolating multiple rooms your heat pump is likely heating the water to a higher temperature than necessary. It is much more efficient to optimise the temperature to a lower setting across the whole house and achieving a higher SCOP at the heat pump.




Based on this, we don't recommend closing down zones or radiators, but rather operating a whole house measure with as low a flow temperature as possible. If you wish to experiment however, you can use your APP or smart meter to track consumption and flow rates in your system, and review closing radiators down one by one to see the impact.

UNLOCK & LOCK DISPLAY

Press the  to light up the screen. Your current temperature should appear and the screen light up.


SWITCHING THE HEAT PUMP ON/OFF

SWITCHING ON:

1. Hold  for 2 seconds to turn the heat pump **ON**

(Active mode symbol lights up in the display)

SWITCHING OFF*:

2. Hold  for 2 seconds to turn the heat pump **OFF**.

(Active mode symbol will no longer light up in the display)



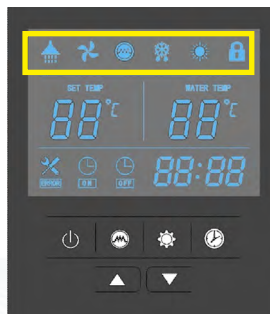
***IMPORTANT:** It is not necessary to turn off the heat pump. The dynamic control ensures that the heat pump never switches on when the temperature is met, or timer functions used.

As soon as there is a need for hot water again, the heat pump switches on automatically.

SYMBOLS:

Symbols will appear during different operating modes. Generally you can ignore the symbols and focus on the temperatures.

SYMBOL	MEANING
	Hot water available
	Fan active
	Boost
	Heating
	Lock / Wifi



IMPORTANT: If the fan is active without the heating symbol, you may have activated the ventilation mode. This should only be used with properties with air conditioning features enabled.

SWITCHING VENTILATION ON/OFF:

SWITCHING ON:

1. Hold for 5 seconds to turn the ventilation function **ON**

(The fan symbol will appear even when the heating symbol is no longer present)

SWITCHING OFF*:

1. Hold for 5 seconds to turn the ventilation function **OFF**

(The fan symbol will only appear when the heating symbol appears)



TEMPERATURE SETTING

Activate the screen first by pressing any button.

1. Press or to increase or decrease the temperature
The right side "Set" temperature will change (e.g. "45")?

1



SETTING TIMERS

Note: only works when the heat pump is turned ON

1. Press and hold for 5 seconds.
The timer icon and hour icon "88" will flash together
2. Press the or to set the exact hour for the heat pump to turn ON.
3. Press to confirm the hour and move to the minute timer.
4. Press the or to set the exact minute for the heat pump to turn ON.
5. Press to confirm the minute and move to the OFF time.
6. Repeat process for the OFF time.

1



2



3



7



7. To cancel the timer, press the button during the ON or OFF timer programming.

BOOST FUNCTION

Note: only works when the heat pump is turned ON

1. Press the button once to turn on the boost function
The boost icon will appear on the screen if properly selected

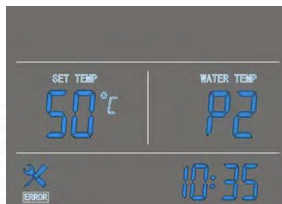
1



ERROR CODES

During standby or running status.

If there is an issue with the heat pump the heat pump will automatically stop working and display an error code on the left hand side of the controller.



LEGIONELLA CYLCES

Legionella settings are set up during installation. The default settings for legionella are as follows:

PAREMETER	DESCRIPTION	DEAFULT SETTING
4	Temperature	60 degrees
5	Holding Time	30 minutes
13	Start time	23:00

Legionella settings can be changed to match personal preferences and home requirements. Homes that don't use hot water frequently or have dead-ends could consider increasing the frequency of these cycles.

Please consult your installers or Adlår service team to guide you through making changes to these settings.

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Product Information:

This document contains information about the operation of the Aurora II and Fjord I heat pump.

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Version

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