

## SUMMARY

- Air Source Heat Pump provides all of your heating and hot water needs
- Mains pressure hot water with cylinders from 180 litres to 1000 litres
- Can save up to 50% in energy costs against conventional systems
- For every 1 unit of electricity used, up to 4 units of heat are produced meaning 75% of your energy comes from the outside air, the other 25% comes from the electricity used to drive the heat pump
- 20+ years system lifetime with annual servicing from HHP
- Quality Assured units
- No need for gas connections or fuel tanks
- Use radiators just like your existing wet system
- Energy efficiency. Up to 400% across the year compared to solid fuel boilers that are typically 50-65%. They also maintain their efficiency over time whereas boiler efficiencies can reduce over time
- Always available whatever the weather, day or night
- Air source heat pumps can reduce a households carbon emissions by up to 50% in comparison to a traditional back boiler.
- Low noise levels - The Air Source Heat Pump from Mitsubishi is quieter than many older models at 45dBA. As a comparison, the average dishwasher usually runs between 55 and 70dBA and a refrigerator at around 50dBA.
- Tariffs: HHP recommend that a single rate tariff is used for all heat pumps. To make sure you are on the cheapest tariff possible use our Citrus Energy service to help you switch provider or get a better deal from your current provider. Our Citrus leaflet is enclosed.



## Get ready for: Air Source Heating



Tel: 0300 123 0773

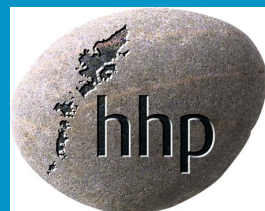
E-mail: [customerservice@hebrideanhousing.co.uk](mailto:customerservice@hebrideanhousing.co.uk)

Registered Charity No : SC035767  
Industrial & Providential Society Registration No :  
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*HHP - Heating your home*



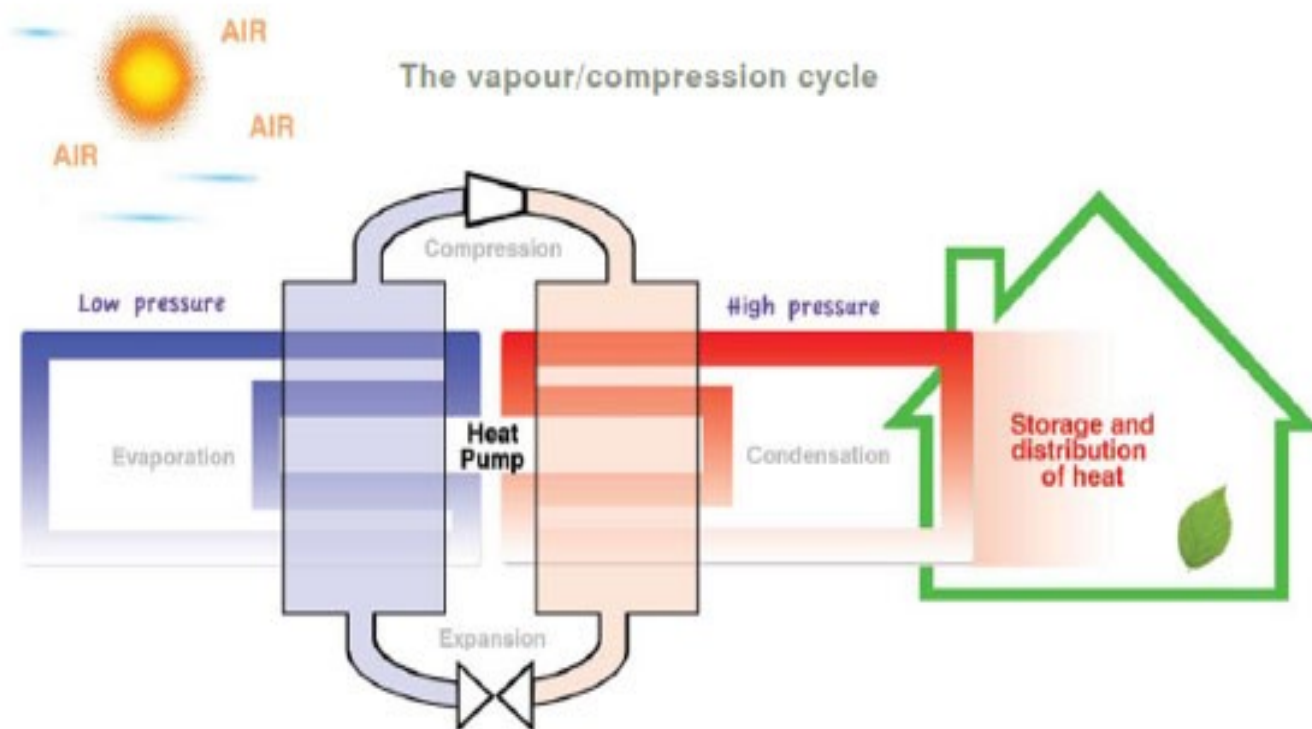


# AIR SOURCE HEATING

## Why are we installing Air Source Heat Pumps (ASHP)

HHP have been installing Air Source Heat Pumps for several years as we believe they are the best form of affordable heating for our tenants whilst increasing the energy efficiency of the home which is a requirement from the Scottish Government and the Scottish Housing Quality Standard.

For our tenants it will be the end of coal fired heating and expensive storage heaters. ASHP systems provide affordable heating and hot water 24/7 at a comfortable temperature fully controlled by the tenant.

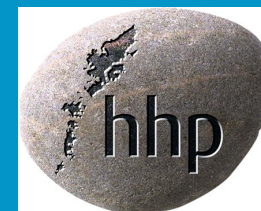


## It works just like a fridge!

When you buy a bottle of wine from the supermarket it is at room temperature. If you then put it in the fridge and wait a few hours it will be cool enough to drink. If you touch the back of the fridge during that time you will feel it warm. What has happened is that the fridge has taken the low temperature out of the wine, compressed it to a higher temperature and by dumping it out the back of the fridge it has warmed the kitchen up slightly.

By using this same process your Air Source Heat Pump can remove solar energy stored in the air around your house, compress it to a high temperature and transfer it to your radiators and hot water tank. Simple really.

Remember your Heat Pump should always be left on as this is the best way to run it.



# AIR SOURCE HEATING

## How will my new heating system work?

The Air Source Heat Pump will generate heat to new radiators in all rooms in your home. It will also provide hot water which will be stored in a new hot water cylinder. Our contractor will set the hot water to come on twice a day which should be enough for all your needs but there will be an extra boost switch for additional hot water and they will demonstrate how this works when we install the heating.



Our contractor will go over the system with you so that you are comfortable with how it works. They will come back twice during the first year to see how you are getting on.

You should not need to go near the Heat Pump as we have installed a separate controller for you to use.

## How will I control it?

HHP have tried to make the controls for the Air Source Heat Pump as simple as possible. We will install the control shown below. This simple controller allows you to set the temperature by simply pressing the arrows for more

heat or less. By using this controller you will save even more money on your electricity bill.

First select your warm setting. Set this at the temperature you want for your home to be. This is generally between 21 and 23 degrees. The Heat Pump will then ensure that your house is kept at this temperature unless it is changed by you.

Now think of a cool setting. Turn down the temperature to this when you are asleep or away for short periods such as shopping or visiting a friend. This is usually set at 15 degrees. By using a cool setting at these times you will save both energy and money as the Heat Pump will require less electricity to run.

The last setting is the holiday button (suitcase) which will reduce your heating to approx. 7 degrees. Just press this button when you go away for long periods such as holidays. When you return simply press the button again and the warmer temperature will take over.

There is also a hot water boost button (tap) which will increase the temperature of your hot water.

