

MICROGENERATION

Air Source Heat Pumps

What are they?

Air source heat pump systems extract heat from outside air and transfer it into a building. They are similar in appearance to air-conditioning units and are fitted to the outside of a building.

How do they work?

Air source heat pumps convert low grade heat (not very warm air) into high grade heat (hot air) which can then be used to heat a building. Systems typically provide heat for warm air convectors, under-floor heating systems, radiators or domestic hot water. These pumps run on electricity so there is no need for a gas connection or oil tank.

Benefits

- > Reduce your heating bills
- > Protect yourself against rising energy costs
- > Reduce your CO₂ emissions

What are the potential savings?

According to the Energy Saving Trust, the potential annual savings, in a typical 3 bedroom semi-detached house could be up to:

> **£610**

What are the typical costs?

If you were to have this measure installed without Green Deal, this would typically cost you upfront:

> **£6000 - £10000**





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How can I benefit from Green Deal?

By taking advantage of the Green Deal, you may receive finance to have these energy-saving improvements installed in your home at no full upfront cost. The savings you make will always be greater than the cost of repayments on the measures installed.

Where and how are they installed?

Air source heat pumps are usually mounted onto the outside wall of a property, at ground level, where they can be connected to the existing electricity supply and heating or hot water system.

Will it be suitable for my home?

Air source heat pumps are better suited to homes which have plenty of space around them and a good flow of air. A sunny wall is preferential to a shaded wall, because the system functions more efficiently where the air is already warmer. Air source heat pumps can be a good alternative for heating properties where there is no access to a mains gas supply. Your NICEIC Green Deal Advisor will provide you with impartial advice on the measures most suitable for your home.

What do I need to do next?

Step 1

Get an energy assessment report completed on your home by an NICEIC Green Deal Advisor.

Step 2

Present your report to a Green Deal Provider who will assess whether to approve the finance on the measures you wish to install and coordinate your Green Deal plan.

Step 3

If approved, the Green Deal Provider can arrange for the installation to be carried out by an NICEIC Green Deal Installer.

Step 4

Once installed, your Green Deal payments will be included as instalments in your energy bill. This will be arranged for you by your Green Deal Provider and your energy supplier.

Click here to join
or call **0843 290 3518**

to find a certified **Green Deal** Advisor, Provider and Installer to start your Green Deal now.