

Air Source Heat Pump

What is it and how does it work?

An air source heat pump is a low carbon technology. It acts as a central heating system for your home and runs on electricity. Air source heat pumps extract heat from the air outside and transfer it into your wet central heating system by using a low boiling temperature fluid.



Benefits

- Provides heating and hot water.
- Reduces CO₂ emissions.
- Can be cheaper to run if replacing oil or very old heating systems
- Particularly effective in off-gas properties.
- Highly efficient technology in relation to the input and output of energy.
- The Government is encouraging installations, so grants are currently available via the national Boiler Upgrade Scheme (BUS) and Green Homes Grant Local Authority Delivery (however both grants cannot be used together).

Things to consider

- Requires a well-insulated property.
- Heat-loss calculation undertaken before installation to check feasibility.
- Likely to increase energy bills if replacing a gas central heating system.
- Difficult to guarantee bill savings in the current climate of energy price rises.
- Needs space for a hot water tank.
- Can work alongside solar panels to improve overall efficiency.
- Works well with underfloor heating.
- Does produce low-level noise.
- Unit needs an outside area close to the property. Often not viable for flats.

Funding Expectations with Action Surrey

Funded: Surveys, the unit, labour costs, electric commissioning, plumbing works, radiator upgrades, lodgement with Trustmark and MCS.

Not funded: Specific models as requested by the customer will not necessarily be funded due to availability of supply and timescale of funding. Additional requirements should be discussed with the installer. More than one unit per household will not be funded.

Supported by:



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