

# INSTALLING HEAT PUMPS HELP GUIDE:

When installing an air source heat pump, which are highly energy-efficient, generating around four times more energy than they consume, there are several key factors to consider ensuring optimal performance and efficiency:

## Location

- **Outdoor Unit Placement:** Install the outdoor unit in an open space with good airflow, away from obstructions like foliage. This helps with air intake and maintenance access.
- **Noise Considerations:** Place the unit at least 1 meter away from property lines to minimize noise disturbance to neighbours

## Type of System

- **Monobloc Systems:** All components are contained in the outdoor unit, suitable if you lack indoor space
- **Split Systems:** Smaller outdoor units with indoor components, ideal for limited outdoor space
- **Hydro split Systems:** Transfer only water into the Building, reducing refrigerant leak risks

## Permits and Regulations

- Check local building codes and obtain any necessary permits before installation.
- By considering these factors, you can ensure a successful and efficient installation of your air source heat pump.

## Heating Needs

- Match the heat pump capacity to your building's heating requirements. Consider the size of your property, insulation levels, and existing heating systems.

## Professional Installation

- Hire a qualified installer to ensure the system is set up correctly and safely. This can also help with compliance to local regulations.
- **Checklist for Finding an Installer:**
  - Ask for examples of their work.
  - Get a detailed written quote.
  - Check the warranties provided.

## Installation Costs

- The cost of an air source heat pump can range from £2,000 to £9,000, with total installation costs potentially reaching around £14,000.
- Look for government grants or incentives, such as the Boiler Upgrade Scheme, which can help offset installation costs.  
(Please visit [www.gov.uk/apply-boiler-upgrade-scheme](https://www.gov.uk/apply-boiler-upgrade-scheme) for more information)

## Maintenance

- Regular maintenance is crucial for efficient operation. Ensure the unit is accessible for service and cleaning. This should also be taken into account with the feasibility costing of the project.

Find out more about heat pumps via <https://www.northernpowergrid.com/heat-pumps>

For more information on green heating systems visit

[https://www.northernpowergrid.com/sites/default/files/assets/EST\\_NPG\\_factsheets\\_03\\_Green-Heating%20Oct%202023\\_2.pdf](https://www.northernpowergrid.com/sites/default/files/assets/EST_NPG_factsheets_03_Green-Heating%20Oct%202023_2.pdf)