

GROUND, AIR & WATER HEAT PUMPS

A SUMMARY

EcoVision specify, supply, install and commission an extensive range of ground, air and water source heat pumps including single and three phase units, with heating capacities from 5kW to 130kW.

Heat pumps tap into the freely available, inexhaustible solar energy stored in the earth, ambient air or ground water and convert it into energy which can then be used to provide all year round domestic heating and hot water with the same convenience and reliability as conventional heating systems. In addition, our heat pumps can also be enhanced to offer cooling.



COST EFFECTIVE

Heat pumps have been shown to reduce energy costs by up to 50%. The only running cost with heat pumps is the electricity needed to drive the heat pump compressor. Further significant savings can be achieved by setting the heat pump to operate during off-peak periods, making use of cheaper electricity tariffs.

Heat pumps also have none of the safety and maintenance costs associated with conventional heating systems. And because the majority of the energy is extracted free from the environment, running costs are relatively unaffected by the continuing increases in gas and oil costs.

BENEFITS

HOUSING DEVELOPERS

- 50% lower carbon emissions than gas boilers, making a significant contribution towards Building Regulations Part L compliance.
- Over 70% renewables contribution for heating and hot water, so helps with renewables planning consent obligations.
- Will help towards achieving high energy efficiency scores for Code for Sustainable Homes ratings.
- Highly marketable 'eco' credentials.

SOCIAL HOUSING

- Suitable for new build and refurbishment projects.
- Help to reduce running costs and therefore fuel poverty.
- Negligible maintenance requirements.
- Significantly reduces carbon emissions, so helps with Building Regulations Part L compliance and Code for Sustainable Homes ratings for new developments.
- **35% grants against the total installation costs through LCBP Phase 2.**

SCHOOLS & NON-DOMESTIC BUILDINGS

- Can be applied to a wide range of non-domestic buildings, for example schools and other educational establishments, offices, retail premises, hotels, communal accommodation, community centres and places of worship.
- 50% lower carbon emissions than gas boilers, making a significant contribution towards Building Regulations Part L compliance.
- Over 70% renewables contribution for heating and hot water, so helps with renewables planning consent applications.
- **Schools, public sector, charitable and not-for-profit organisations can take advantage of 35% grants against the total installation costs through Low Carbon Buildings Programme Phase 2.**