

Family benefits from heat pump installation at new build home



Sough



Detached



4



3



2

A young family are benefitting from energy efficient heating at their new build home in the leafy hamlet of Sough, thanks to the installation of an 8.5kW Ecodan Air Source heat pump.

Development of the spacious four-bedroom property began in August 2020 and was completed in April 2021. The build was carried out by Buildakit, a sustainable home building company which is committed to supporting the UK to move towards low carbon, smart, green and renewable technology. Buildakit has been producing highly insulated homes for 20 years, and now incorporate Ecodan heat pumps into every one of their new build homes. As they are the most effective and energy efficient method of home heating. The Sough property is a highly insulated timber frame home, and the 8.5kw air source heat pump was chosen as the perfect solution to help the home reduce energy consumption and cut both energy bills and CO2 emissions.



ecodan[®]
Renewable Heating Technology

The Solution

Bill Richardson, Managing Director of Buildakit said **“We install Mitsubishi Electric’s air source heat pumps in all new build homes, as the technology supports our goal of building high performance and low energy homes. We also knew that this would be a unique feature and selling point of the property and offer any tenant the reassurance that heating costs would be kept down”.**

Traditional methods of heating, like oil and gas, can be inefficient, which often result in homeowners paying out more while producing greater volumes of greenhouse gases, such as carbon dioxide. The Ecodan range has been specifically designed to challenge traditional heating methods and give homeowners an environmentally friendly alternative that can also reduce energy bills.

The Ecodan system is also straightforward to install, reliable and easy to use, and homeowner Justin Thornton, said **“One of the main things that attracted us to this property was that we knew by buying it we were doing our bit to help the environment, by not using a traditional gas boiler.”**

An 8.5kW Ecodan air source heat pump sits outside and delivers reliable heating even when temperatures are below freezing, and while it is particularly well suited to modern new build properties, it can also be used in older homes that have been thermally upgraded.

Now the homeowner will get the benefits of not having to worry about having a warm and comfortable home.

Summary

- **Reliable, efficient and cost-effective heating for high performance home**
- **Air Source heat pump used an environmentally friendly to oil and gas boilers**
- **Unit delivers reliable heating even in below freezing temperatures**



Product Overview:



8.5kW



300L



Radiators



Underfloor



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP-4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

