



New 'homes of distinction' use renewable Ecodan

Although energy wasn't the first thing on the mind of Ben Cosbie Ross when he moved into his prestigious new home, he quickly realised that the inclusion of an Ecodan air source heat pump would help the family save around 30 per cent on heating.

"We were quite specific in terms of what we were looking for in terms of when we bought the house but energy was never really a consideration, but when I saw the unit outside and went online to research it, I was delighted with the impact on our bills".



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Renewable Heating Technology

Heating

Case Study

Jarvis Homes, Gaddesdon Row, Hertfordshire

Making a World of Difference



ABOVE: The prestigious development of four-bed executive properties are built to the 'homes of distinction' standard that Jarvis aspires to.

BELOW: Ecodan units provide all the heating and hot water the homes need.



The house in the prestigious development of four-bed executive homes in Hertfordshire uses Ecodan to provide all the heating and hot water needed, whatever the weather.

The use of the renewable heating system has helped maintain the focus of builder, Jarvis Homes on quality, craftsmanship and innovation and has helped ensure that the new houses match the 'homes of distinction' ambition that the company prides itself on.

“We have built our reputation on excellence in design and build and we strive to ensure our clients benefit from the latest sustainability practices”, explains Gavin Hogg, Renewables Business Development Manager for Jarvis Homes.

“When we build new homes, we look to every aspect of the property so that we can match that ambition”.

Part of the Jarvis Group, Jarvis Homes operates throughout the Northern Home Counties and beyond, and the small development in Gaddesdon Row, near Hemel Hempstead is built to modern, well-insulated, air-tight standards.

“When we look at the energy performance of the whole building we always take a fabric first approach but we still need a heating system and air source heat pumps are ideal in meeting planning regulations and delivering reliable heating all year round” , explains Hogg.



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Certificate Number: MCS HP0002
Product Reference: PLH2-W50VHA-BSL,
PLH2-W50VHA2-BSL, PLH2-HW140VHA2Y1HA2-BSL,
PLH2-SW140VHA, PLH2-SW15VHA, PLH2-SW120VHA,
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ABOVE: The homes are built to a very high standard but being on an off-grid site, the choices used to be limited to oil or LPG.

BELOW: Each property has underfloor heating on the ground floor and in the bathrooms, with radiators on the upper floors.



“This site is off-grid here so the traditional choices would be LPG or oil but we quickly realised that heat pumps offer a modern alternative which will help keep heating bills low and reduce carbon emissions”.

The 8.5kW Ecodan sitting outside each property heats the home via a downstairs underfloor heating system and radiators on the first and top floor, with underfloor heating in the bathrooms and en suites.

It's also an intelligent system so if you're trying to heat hot water up and the radiators at the same time, the system itself works out the best way to use the heat it has.

“Once you know what it does and what it can do and what it can achieve and set it so it works for you, the system just happily works away in the background. All we have to do is turn the temperature up or down, and that's it”, adds Cosbie-Ross.

“The main benefits for us is that you don't have to worry about the heating, the house is warm”,

Although modern air source heat pumps, such as Ecodan have now been on the market for over seven years, many people are new to the way they work and Hogg and his team have developed a welcome pack to explain the subtle differences.

“There are programmable room and radiator thermostats throughout the home and hot water controls in the airing cupboard, but generally, these systems work best if they are left to run as initially set up”, he adds.



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PUHZ-W50VHA2-BSL, PUHZ-HW140VHA2/YHA2-BSL,
PUHZ-SW40VHA, PUHZ-SW5VHA, PUHZ-SW120VHA,
CAHV-P500YA-HPB



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ABOVE: Ecodan's intelligent, self-learning controls help ensure the house is heated in the most economical way possible.

Ecodan 8.5kW unit

Achieves level 4 of the Code for Sustainable Homes with no additional measures and can be even higher when used in conjunction with other improvements

MCS approved

5% VAT rating on capital and install costs

Low noise levels – The only heat pump to receive the Noise Abatement Society's Quiet Mark

“Most people in general have picked it up straight away and they all say, as long as we're warm, we're not really too worried about it”.

“We also find that on some of these small developments, that there is usually someone that is an ambassador that picks it up quickly and is happy to explain things to their neighbours, such as the lower temperatures of the radiators.

To match the high standards of finish required for a Jarvis Homes development, the company has sent its engineers on Ecodan training courses and employs professional ladders to ensure that the outdoor installation looks as neat and tidy as the rest of the building.

“There is a real focus on energy at the moment, both in terms of running costs and legislation so I can see heat pumps being used more and more”, says Hogg.

“At the end of the day though, we want a beautiful home that is nice and comfortable and a heating system that is easy to use”.

Further details on the complete range of Ecodan systems can be found by visiting the dedicated website: www.ecodan.co.uk.



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