



WW2 veteran pilot leads the way to a sustainable future

A former WW2 pilot and self-confessed 'gadget man' has shown the way to a sustainable future with the installation of a hybrid Ecodan Air Source Heat Pump (ASHP) to work alongside his existing boiler.

“Heat Pumps seem to offer a real solution to the problems associated with fossil fuel heating, which is no longer a sustainable way of keeping our homes warm”.



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Heating

Case Study

Newick, Lewes
September 2014

Making a
World of
Difference



Above: The pre-plumbed and wired hydrobox helps speed up installation and comes with simplified SD card commissioning.

Below: The room controller allows Mr Durward to change the temperature from the comfort of his armchair.



Mr Durward of Newick, Lewes chose the Ecodan to reduce the heating bills for himself and his wife and, with the installation of an 8.5kW Ecodan monobloc ASHP and packaged hydrobox they will also qualify for payments from the Renewable Heat Incentive.

Designed specifically with a bivalent function for use in conjunction with conventional boilers, the hydrobox is pre-plumbed and wired for faster installation and also offers simplified SD card commissioning.

With the capability of providing two-zone space heating via a modern, simplified graphical controller, the hybrid system ensures that the Durward's are able to completely control their heating.

"Heat Pumps seem to offer a real solution to the problems associated with fossil fuel heating, which is no longer a sustainable way of keeping our homes warm", explains Mr Durward, who has always had a fascination for self-sufficiency.

He has already sunk a borehole down to 200 feet to supply water to the property and has a photovoltaic system to generate his own electricity.

East Sussex-based Payne's Heating and Plumbing Services who are an Accredited Ecodan Installer and renewable specialist, fitted both the heat pump and PV system.



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Certificate Number: MCS HP0002
Product Reference: PLH2-W50VA-A-(BS),
PLH2-W50VA2-(BS), PLH2-HW140VA2*VA2-(BS),
PLH2-SW140VA, PLH2-SW170VA, PLH2-SW120VA,
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Above: Mr and Mrs Durward are looking forward to a sustainable future with the installation of the hybrid Ecodan system.

Installation

Ecodan 8.55kW air source heat pump, providing heat water to radiators throughout the home.

The system also supplies hot water to a 180 litre pre-plumbed cylinder.

The Ecodan unit works in conjunction with a new, high efficiency condensing gas boiler, but this has had very little use.

Excess electricity generated by the PV system is diverted to the immersion heater, to provide free tanks of hot water.

At Mr Durwood's request, they have also incorporated a power diverter, which transfers any excess electricity generated to the immersion heating, giving the couple regular free tanks of piping hot water.

At the same time as installing the Ecodan unit, the Durwoods had an upgrade to a new high efficiency condensing boiler fitted. However, this has had such little use since the introduction of the heat pump that Mr Durward received a call from his utility company, which believed there might be a mistake due to the low energy reading

Mitsubishi Electric has also arranged for a MELCloud Wi-fi control system to be installed so that the heat pump can be monitored and Mr Durward can control his system from either the comfort of his armchair or anywhere else in the world.

“Mr Durward is delighted with the way the system is working and we often use him as a contact for other clients looking at similar works,” explained Dave Crock of Paynes Heating and Plumbing Services.

For further information on the range of hybrid and standalone air source heat pumps visit www.ecodan.co.uk



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