

Off-gas detached house upgraded to Ecodan heating system



Norfolk



Detached



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Homeowners Gloria and Les Digby have lived in their detached home for over 30 years in Norfolk.

The house is in an off-gas area. With no mains gas supply, the couple used an oil-fired boiler for central heating and a wood burner. They had a 2,700-litre oil tank that needed filling every 18 months at a cost of £4,000. However, after 25 years the boiler was tired, inefficient and in need of changing.

When looking for a new system, they wanted lower their running costs and to reduce the house's carbon emissions.



The solution

After reviewing their options, Gloria and Les selected an Ecodan air source heat pump.

When asked why they chose an air source heat pump, Gloria said: **“to help the environment and to find a more sustainable heating source, and we had friends who had installed an Ecodan, so on their recommendations we thought we’d go for it.”**

The unit was easily installed just outside the kitchen window, with Gloria further saying: **“we don’t even know it is there, you never hear it.”**

The Ecodan has been the perfect solution for Gloria and Les.

When installing the Ecodan unit, they did not have to change the house's pipework, although, they did update radiators. And since its installation they have not had to use their wood burning stove.

They also had solar panels installed on their garage roof to work alongside the air source heat pump.

Mitsubishi Electric have calculated that over the past three years, since installing the Ecodan, the heat pump has saved Gloria and Les Digby 15 tonnes of CO2 emissions.

Summary:

- Ecodan installed to replace old inefficient oil boiler system
- Since installation 15 tonnes of CO2 emissions have been saved
- Ultra-quiet unit causing no noise disturbances



Product Overview:



8.5kW



3rd Party



Radiators



PV



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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).

