Heating | Case Study

Atlantic view chooses Ecodan Coastal Heat Pumps over oil

R32

Near Praa Sands

Houses 3 | 3 | 2 | 1

When GreenGenUK embarked on this small self-build development, they had a few considerations to make on how they would heat these new builds near Praa Sands. The challenges faced were the location of the properties which is an off gas grid area on the edge of the coastline close to the sea. Meaning any heating system needed to be able to cope with the aggressive coastal environment.

The heating system chosen was the attractive Ultra Quiet Ecodan coastal model from Mitsubishi Electric. The Ecodans provided all the homes heating and hot water whilst looking modern and ensuring protection from the corrosive coastal conditions.

The end result is 3 new highly efficient properties providing warm and comfortable environments by low carbon renewable heating technology.

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The specification

GreenGenUK chose Ecodan 8.5kW coastal models with 250l Pre-Plumbed Cylinders to complete the heating system of these great looking new builds. They believed that Ecodan Air Source Heat Pumps was the perfect choice instead of an oil boiler especially when considering the environment, neighbour air quality and running costs.

The Ecodan Ultra Quiet coastal models gives enhanced corrosion protection of key components to ensure that even in these aggressive areas, long life and efficient performance would be provided from the Ecodan unit.

Ecodan provided a simple renewable heating solution for these attractive new homes, while also satisfying the relevant requirements in SAP and the building regulations due to low emission figures.

"It was important to ensure the heating system chosen was not only a renewable product but had to look attractive to suit the new homes built. We also had to consider how the system would cope with the harsh coastal weather. The Ecodan Ultra quiet coastal model was the perfect choice" Rob Carey Managing Director of GreenGenUK Limited

Summary:

- **Renewable heating providing no emissions**
- **No oil tank - mitigating theft and leakage**
- **Ultra Quiet Ecodan blends perfectly with new build homes**

Product Overview: R32 | 8.5kW Coastal | 250L Slim | Radiators

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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).

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