

Refurbishment now provides home with warm, efficient heating



Kirkby Stephen,
Cumbria



Detached



3



2



3

A detached house has started their refurbishment and decided that they wanted to take a different approach to their heating than traditional systems. Currently a gas boiler is installed in the property, however, when looking to replace a more sustainable form of heating was considered.

Reasoning for this desire of change is the gas boiler needing to be replaced, so the homeowner wanted to have a more renewable, more environmentally friendly method of heating their home.

The challenge the homeowner faces is to find a suitable heating system that can efficiently heat up their home whilst also being cost-effective with the addition of being more environmentally friendly method compared to their current system.



The Solution

When reviewing the available heating methods to suit the house. Mitsubishi Electric’s Ecodan was identified as the ideal solution for the heating of this home. An 11.2kW Air Source heat pump was installed to the property being paired up to a photovoltaic panels and a 3rd party cylinder. The unit will then supply the home with heating via radiators and provide hot water whenever the homeowner needs it.

Ecodan’s Air Source heat pumps work through harvesting energy from the air and converting this into heat energy to supply warmth and hot water to the home. For every 1kW of energy consumed, 3kW of energy are created, highlighting Ecodan’s high efficiency of 300%.

The easy to install unit has now helped the homeowner meet today’s low energy demands, helping to not only lower their carbon emissions, but with also having lower running costs through the Ecodan Air Source heat pump.

Through the Ecodan unit pairing up with radiators throughout the property, the Ecodan system works perfectly to ensure the home is warm and cosy without the need of additional heating.

“The house is constantly warm and we have plenty of hot water It’s also a nice looking unit and makes hardly any noise” Commented Mr Ostle, the homeowner.

Summary:

- Inefficient gas boiler replaced with Ecodan air source heat pump
- Lowered running costs thanks to Ecodan
- Homeowner now has comfort and warmth when needed



Product Overview:



11.2kW



Radiators



PV



EPC B



Telephone: 01707 282880
email: heating@meuk.mee.com
ecodan.co.uk

- @Ecodanheating
- Mitsubishi Electric Heating UK
- @MitsubishiElectricHeatingUK
- mitsubishl_electric_heating_uk
- Mitsubishi Electric Heating UK
- BLOG thehub.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environment Systems Division, Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England. Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe, Westgate Business Park, Ballymount, Dublin 24, Ireland. Telephone: (01) 419 8800 Fax: (01) 419 8890 International code: (003531)

Country of origin: United Kingdom - Japan - Thailand - Malaysia. ©Mitsubishi Electric Europe 2021. Mitsubishi and Mitsubishi Electric are trademarks of Mitsubishi Electric Europe B.V. The company reserves the right to make any variation in technical specification to the equipment described, or to withdraw or replace products without prior notification or public announcement. Mitsubishi Electric is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. All goods are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request. Third-party product and brand names may be trademarks or registered trademarks of their respective owners.

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).

