

Ecodan set to improve comfort and reduce running costs in family home

Heating



A family home in Gayton, Kings Lynn is now benefitting from efficient year-round heating thanks to a recent Mitsubishi Electric air source heat pump installation.



The Renewable Solutions Provider
Making a World of Difference

Providing lower running costs and significantly reduced carbon emissions, heat pumps capture and upgrade heat from the outside air, whatever the weather conditions

As the two-bedroom semi-detached property sits off the gas-grid it required a modern heating solution that would guarantee comfortable, stable temperatures throughout the Longhurst Housing Association run dwelling.

By installing a 8.5kW Ecodan system alongside a 150 litre pre-plumbed cylinder, the inefficient storage heaters previously used to heat the property could be removed for good, providing the tenants with a whole house full wet system and boosting the overall Energy Performance Certificate (EPC) rating of the building.

Developed with the UK climate in mind, Ecodan is reliable, unobtrusive and extremely quiet. The low noise levels mean that the Ecodan range is well suited to most domestic applications.

Following the successful installation, Longhurst Housing Association has been able to take advantage of the Government's domestic Renewable Heat Incentive (RHI) scheme and has put in a claim for regular payments based on the amount of renewable heat the new system is expected to produce.

Once successful, the housing association could receive monthly payments for up to seven years, providing a clear and tangible return on investment.



“ We’re hopeful that tenants will get lower fuel bills and have much warmer homes now the installation has been completed ”

Aiden Skinner
Project Surveyor
L&H Home

Longhurst Housing Association has a reputation for engaging with tenants in order to understand their circumstances and individual needs, allowing the affordable housing provider to make changes that benefit and improve their levels of comfort and wellbeing.

Aiden Skinner is a Project Surveyor and manages the heating programmes for L&H Home - part of the Longhurst Group and a provider of affordable homes for sale and rent. After considering a number of different options for the off-grid property in Gayton, Aiden recognised that an air source heat pump would offer the efficiency and reliability they were looking for.

He comments, “We decided on the heat pump route as getting gas to the area was difficult and expensive to do. Air source heat pumps, we feel, offer a hassle-free alternative to gas, particularly when there is no gas within the area. These properties all had old inefficient storage heaters which tenants always complain about so we needed to change the means of heating. We hope that by installing the heat pump we will have provided the tenant with a much more efficient heating system, one that most importantly for tenants is more controllable and works far better and at a lower cost”.

Aaron Services, long-established heating and renewables specialists serving East Anglia and the Midlands, were responsible for the installation of the new system. As a Mitsubishi Electric partner, Aaron Services were able to offer a high standard of full design and installation services compliant to all MCS requirements whilst also offering an extended warranty on the installation.



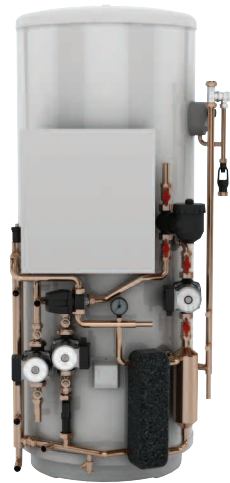
Installation Summary



- 8.5kW Ecodan unit
- Ecodan pre-plumbed cylinder



8.5kW Ecodan unit



Pre-plumbed cylinder

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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) or R134a (GWP:1430). 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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