

Tenants of Clydesdale Housing Association now receive warm and efficient heating

Clydesdale
Housing
Association

Houses

120



1/2/3



1



1

Tenants of the Clydesdale Housing Association are benefiting from average cost savings of £852 per year with the installation of 120 Ecodan heat pumps, chosen to help provide renewable energy and year-round comfort.

Clydesdale Housing Association was set up in 1987 by a voluntary committee, with a mission to combat the poor condition of houses in Clydesdale, and the shortage of rented housing. It now manages over 740 properties and recently, the owners were looking for a replacement to their old inefficient electric storage heating that would reduce fuel costs for tenants, helping to lift them out of fuel poverty, while also assisting the Association in meeting their EESSH2 targets.

BRB Electrical was appointed to carry out the heating replacement works. They worked closely with Clydesdale Housing Association to ensure tenants secured optimum benefit from the project.


Renewable Heating Technology

The Solution

During the survey process, it became obvious that the particular mix of properties being targeted were better suited to the installation of versatile air source heat pumps rather than Quantum storage heating as initially intended. Ecodan air source heat pumps from Mitsubishi Electric were chosen as an appropriate heating solution. Tenants benefitted from renewable heating with modern levels of comfort, while making huge fuel savings when coupled with Renewable Heat Incentive (RHI) payments.

The heat pumps, which have been installed in 33 properties to date, are delivering a variety of heat pump models to a variety of housing types across the Association based on each properties energy requirements.

BRB Electrical also partnered with the Wise Group to provide tenants with information about tariff switching, and held intensive consultations on how the tenants could save money and have improved comfort levels in their home. To date, feedback on the systems is trending at 98% positivity.

Heat pumps are low maintenance and able to produce an average of three kilowatts of heating for every kilowatt of electricity consumed. The Association can continue to provide high quality living conditions for residents while also delivering strong levels of comfort.

Russell Dean, Head of Residential and Domestic Heating Mitsubishi Electric commented **“Tenants are already feeling the benefits – both in their homes and in their pockets – and the Association is meeting its priorities of supporting its tenants as well as contributing to meeting environmental targets”**.

Summary:

- Air Source heat pump to replace quantum storage heating
- Average cost savings of £852 on fuel bill
- Efficient, cost-effective heating for tenants



Product Overview:



8.5kW



170L 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).

