

First Mitsubishi Electric's Ecodan R290 Heat Pump Installed At Newby Bridge

HEATING | CASE STUDY



Newby Bridge, Cumbria



R290 Ecodan
unit installed



MELCloud Enabled

The first Ecodan R290 heat pump was successfully installed at a property in Newby Bridge, by Dalliam, a Mitsubishi Electric Solution Partner. This install builds upon the homeowners' satisfaction and confidence with their existing Ecodan heat pump system, motivating them to choose the new R290 unit for the annex of their holiday let property.

Key Drivers For Choosing R290

The homeowners of the property, Neil and Anne are strong advocates of energy efficiency and environmental responsibility.

Their decision to install the R290 heat pump was underpinned by two driving factors. The primary motivation was to replace their conventional oil boiler without the need for radiator upgrades. Secondly, the property is situated in a tranquil location overlooking Lake Windermere, which presented an additional consideration to keeping the sound level to a minimum.



Environmental Consciousness

Neil and Anne's environmental commitment is reflected in their property, it includes a large 15-panel solar array. This is positioned to maximise solar production and generates 6kw of electricity at peak hours, which provides energy for their new R290 heat pump.

The Ecodan R290 not only reaches temperatures of up to 75°C but also performs exceptionally well in challenging weather conditions. In places like the Lake District, where snow blankets the surroundings, the R290 showcases its capability of efficiently heating in extremely cold temperatures, reaching as low as -15°C.

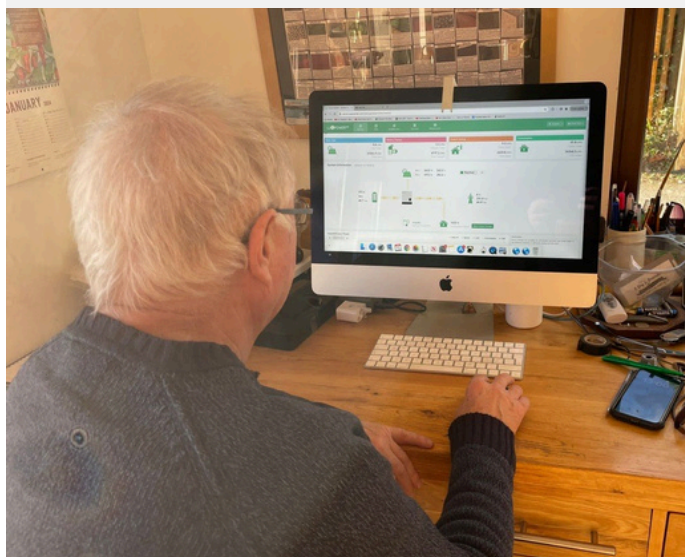
Conclusion

Opting for the new Ecodan R290 meant that Neil and Anne could install the heat pump without having to change the property's radiators.



In addition, the reduced noise of the Ecodan R290 heat pump allows them to maintain a peaceful atmosphere of the location with the system running at noise level of just 56dB(A), close to the ambient sound of a library.

The Ecodan R290 heat pump is proudly manufactured in Mitsubishi Electric's factory in Livingston, Scotland. As the largest heat pump manufacturer in Britain, it supports the investment in the UK's green economy and the wider transition to low-carbon heating.

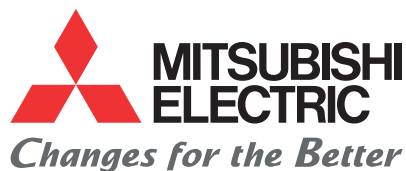


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We turned to Mitsubishi Electric years ago following the installation of a competitor's heat pump. Unfortunately, the support during and after the installation was not what we or our customers required. We researched the Mitsubishi Electric heat pumps and discovered the installation training offered was extensive and that there was a 24 - hour customer support line. We feel the support we received at the beginning has carried on throughout the last 10 years making our partnership one we value and will continue for the foreseeable future.

**Neil and Anne
Homeowners**

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Option 1 - Homeowner

Option 2 - Air Conditioning, Ventilation, Commercial Heating & Modular Chiller Support

Option 3 - Ecodan Installer or Service Provider

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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, R290 (GWP:3), 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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Mitsubishi Electric UK's commitment to the environment