

Country park maintains eco-friendly status with help from Ecodan



Buchan Country Park,
West Sussex

Located in Crawley, West Sussex, Buchan Country Park is one of the country's most celebrated green spaces, having been awarded the Green Flag Award every year for the past five years.

The park prides itself on its eco-friendly approach being reflected in a recent refurbishment of the on-site Countryside Centre and other park-owned dwellings.

West Sussex county Council required an environmentally friendly system to heat and provide hot water to the centre – replacing the existing LPG boilers as well as the electric heaters, water heaters and log burning stoves in two pre-1900s park ranger cottages.

This was viewed as a great opportunity to install a renewable heating system that would provide a more comfortable environment for guests, further enhance sustainability credentials and saving on energy costs.



ecodan[®]
Renewable Heating Technology

The solution:

With no gas supply to the park, three Ecodan QUHZ 4kW air source heat pumps were considered the ideal solution for the park and were therefore installed.

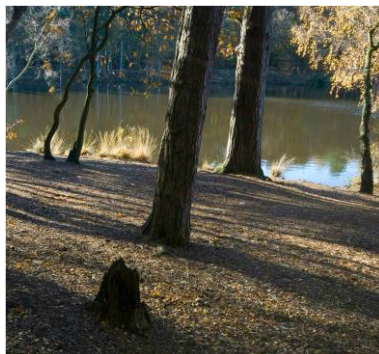
Combining exceptional efficiency with reliable hot water production and renewable heat provision throughout the year, Ecodan offers class leading low noise operation. The quiet operating noise is maintained in all modes of operation and all ambient conditions, ensuring that the peace and tranquillity of Buchan Country Park remains unbroken.

The efficient system comes with energy monitoring as standard, allowing the owners to keep a close eye on energy usage in the Countryside Centre and providing them with an opportunity to make changes based on patterns of use. With integrated thermal store allowing for a high output of hot water on demand, without the need to pasteurise the water.

Dean Kirby, Managing director of Closewood commented: **“As a business working closely with Mitsubishi Electric, Closewood are always looking to provide the latest innovative systems to our clients, in this instance the Ecodan Monobloc 4kW air source heat pump with thermal store ticked all of the right boxes”**.

Summary:

- 3 x 4kW QUHZ-W40VA air source heat pump installed in each three buildings
- EHPT20Q-VM2EA 200 litre thermal store installed
- Energy monitoring, allowing owners to make changes based on patterns of use



Product Overview:



4kW



200L Thermal Store



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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).

