

Case Study 7

Daikin Altherma Air Source Heat Pump.

Property Type.

3 bed Maisonette built in 2013.

We purchased the property in 2015, so therefore inherited the current system.

Under floor heating throughout which includes engineered wood flooring in the main living area, ceramic tile in the cloakroom, en-suite and bathroom and carpets in the hall and bedrooms.

Room thermostats are located in every room. During the colder winter months the main living area is set at 18 degrees and the upper floor where the bedrooms are located at 14 degrees.

The maisonette is the second in a row of 5 which forms part of a terrace, is extremely well insulated and has double glazing.

There is a commercial property on the floor underneath us which is occupied during the week and Air to Heat Source pump is situated in our secure underground parking area on the floor below them.

The system works very well and we find it economical to run.

Our annual energy consumption is approximately 4000 kWh and includes our heating, cooking and hot water costs and under our current energy contract averages a monthly direct debit payment of £65 which covers our costs for the year.

Our hot water is heated by a Tempest mains pressure domestic hot water cylinder located in a cupboard on the top floor of the maisonette and hot water is plentiful.

We service both the heat pump and hot water cylinder each year.

This system was a completely new concept for us, previous properties have included coal fired central heating, oil fired central heating, Economy Seven as no mains gas was available in the rural areas where we lived but our last property was heated by mains gas.

We find this system works well for us.

If you have any questions about this case study, please email cfboaenergy@gmail.com.