

Commercial Air Source Heat Pumps for Student Let Accommodation



Beech Properties, Manchester



Stephen Beech of Beech Properties approached Dalliam Ltd to help him achieve his aim to make his extensive network of student let properties carbon neutral. With over 80 properties Stephen had set himself a tough task, especially as he wants to complete this by the end of 2013. To do this Beech Properties first needed to make the building more thermally efficient. Their approach was to take the building back to brick and then create a highly insulated shell around the new layout of rooms.

Beech properties next challenge was to find an efficient and low carbon hot water and heating system. After extensive consultation between the Dalliam design team and Stephen a perfect solution was decided. The first challenge, how to deliver the heat, was met by laying an under floor heating system which was simply laid over the existing floors. This delivered an even and controllable heat. It was decided the best system to create the heat would be a Mitsubishi Electric 14 kW Ecodan Air Source Heat Pump. The system was designed by Dalliam to be in zoned areas with network control managed by the landlord. This allows each individual student to set the heat level within a pre-prescribed band of heat.

Dalliam have also designed and installed the very latest Itho Mechanical Ventilation Heat Recovery system. This system will supply the students with a steady flow of fresh air which is pre heated by the warm stale air being extracted. The stale air is extracted from the rooms of highest humidity, such as kitchens and bathrooms. The lowered humidity will eradicate the possibility of condensation and mould growth.

Beech Properties are now multi award winners for their work developing eco student accommodation and are continuing to take their properties from 'G' to 'A' EPC ratings. Stephen Beech said of Dalliam:

"I met several potential contractors at the outset and straight away Dalliam stood out by really knowing their stuff! They do the work themselves so not dealing with a huge multinational or paying their prices! Very professional in the installation and explained their hand over well – even to my tenants! The house is warm and toasty 24/7 in the winter and cool/fresh in the summer, my students love it. I'm rolling the system out to all 80 of my properties with only 1 contractor in mind.... Dalliam!!!"



Please visit: www.dalliam.co.uk for further information on the services we offer and how we can help you to reduce your energy usage. Telephone **01695 423802** or email info@dalliam.co.uk

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