

University Church of England Academy



Air source, Gas Absorption Heat pumps provide a lower carbon footprint for new Ellesmere Port Academy

A £25m new complex for the University Church of England Academy opened to students in October 2012. The striking iconic facility has drama and performance areas, a creative learning centre, Faraday science laboratories, media centre, 550-seater theatre, fully integrated special needs provision, multi-level reflection space, internal gardens and a courtyard.

Gas Absorption Heat Pumps were chosen to provide the academy's heating requirements and meet renewable targets, enabling points for BREEAM assessment.

9 x Gas Absorption High Temperature Heat Pumps, mounted on 2 skids and located on the roof. This system is providing the Academy with a combined heat capacity total output of 325kW.

Benefits

- Gas Absorption Heat Pumps can be used to meet renewable requirements for Schools targeting BREEAM Outstanding
- The use of Gas Absorption Heat Pumps over traditional gas boilers will mean a saving of 31.3 tonnes of CO2 per year along with running cost savings of up to £4,000 per year.
- GAHP Gas Heat Pumps outperform Electric Heat Pumps in low ambient conditions with continuous heating to -20°C.
- 325kW output from a single phase power supply, nominal 8.1kW input

