

Case Study: Belvue Primary School, Northolt



Location: Northolt

Install: September 2022

Product:

1 x S-ASX-LQ55 Heat Pump

1 x TSE600 Thermal Store

1 x S-CBX85 Gas Boiler

In order to future proof their heating system, and also to provide built-in resilience, Belvue Primary School chose to upgrade its ageing gas fired heating system to a Strebel S-ASX-LQ55 air source heat pump alongside a ultra-low NOx S-CBX85 boiler working together in a hybrid system.

The hybrid set-up ensures that if heat demand is higher than 55kW then the primary source heat pump automatically sends a signal to the boiler to boost output. This means that the school is never without heating and DHW during colder spells. For the rest of the year, the S-ASX-LQ55 heat pump takes care of the demand delivering flow temperatures of up to 68°C directly to the Strebel TSE600 litre capacity Thermal Store.

Care was taken when locating and installing the air source heat pump so as not to disturb the pupils or teaching staff during term time. The unit was placed only a few metres away from the building as the acoustic output at full load is only similar to normal background level at 44dB(A).

Installation was carried out by North London based G&D Higgins Mechanical Services Ltd working closely with M&E consultants, VSRW Ltd, of Milton Keynes.

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We chose the Strebel systems as they work seamlessly together on a hybrid project such as this, with great pre-and-post technical support. In this case the school will benefit from using the latest technology being a real showcase for it's forward thinking approach.

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Rob Windrum, VSRW Ltd

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