

Toshiba Solutions

Invisible air conditioning for a luxury hotel

Case Study: Rowton Hall

Rowton Hall offers country house luxury close to the centre of Chester. It has had Toshiba RAV air conditioning installed in its refurbished conservatory by an Accredited Toshiba Installer: Bostock Air Conditioning and Refrigeration.



Application

This attractive country house hotel and health club has received an investment of more than £2.5 million in its facilities in the last three years and has an ongoing programme of upgrading to provide all possible luxuries. Its huge west facing 100 sq metre conservatory has an enormous glass roof and had to be air conditioned, but the system also had to be 'invisible'.



The solution

Toshiba's concealed chassis units can be built into architectural features, and therefore met the client's needs best. The new conservatory experiences enormous solar gain for much of the year and considerable heat loss in winter. The outer wall of the existing conservatory had a double-skin. By removing one layer and replacing it with discreet cabinets for the Toshiba RAV indoor units the original look was maintained. The cabinets were designed by the installer with double deflection teardrop grilles to effectively eliminate any draughts. The design also provides full access to the units.

Two complete Toshiba RAV heat pump split systems were used. Each outdoor unit was matched with two indoor units to provide both heating and cooling.

The pipework runs through the floor and up inside a door case to the roof-mounted outdoor units, hidden between two wings. Despite being near to bedrooms these units are so quiet that guests are not disturbed.

Rowton Hall's General Manager, Rowland Parry is particularly pleased with the system performance and has had a further system installed in the hotel's newly redecorated restaurant. Here, one of the two indoor units is ducted in two directions to cover different areas. The second indoor unit covers the far end of the restaurant.

"The cooling is appreciated by everyone as soon as the sun peeps out, but no-one sees the installation, carried out by Bostock Air Conditioning and Refrigeration."



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