



Fine Art in Comfort Comfort Impressionists?

RICHARD GREEN

AT THREE LONDON GALLERIES

Comfort Air Conditioning has successfully completed the installation of Heat Recovery Air Conditioning systems for the new Art Gallery of Richard Green in New Bond Street, London.

This exclusive gallery specialises in British Sporting, Marine, French Impressionist and modern British paintings. This highly prestigious building has been completely renovated from basement to 4th floor and contains both general and private viewing areas together with storage, renovation workshops and the offices of this leading private art dealer.

With such a valuable and unique collection of art passing through the gallery, air conditioning was essential in this building and the systems designed and installed by Comfort were put in to operation and commissioned with a minimum inconvenience and within the renovation programme.

Daikin VRV Heat Recovery systems were selected for this building and provide the major heating and cooling using 3 no. RSEY10K and 1 no. RSEY8K outdoor heat pumps. All are capable of recovering energy from the building and then transferring it to other areas that may have an opposite requirement to adjoining areas. It is possible to use the heat rejected by cooling one area and then transfer this to heat an adjoining room simultaneously. Similarly, the process used to provide space heating also generates cooling. In a standard system this is rejected to external air. The VRV Heat Recovery system can also transfer this cooling to areas, which may have a high heat gain in winter. This can be achieved with almost minimal energy usage under the right conditions.



Additionally 2 no. RY125 Heat Pump twin split systems served the rear gallery areas, each connected to a pair of FHYB ducted concealed fan coil units.

The main galleries and offices are each served by individual concealed fan coil units, type FXYS, mounted within the false ceiling with supply and return ductwork and wall mounted linear diffusers, each room having the facility to be individually temperature controlled. Controllers are a miniature pattern, built in to the wall, wired back to each room unit and enable the user to select operating times, space temperature, fan speeds and also warn when the air filter will require inspection for possible cleaning. The controllers only measure 90mm x 60mm.

There is also a Daikin centralised control management system to allow the areas design parameters to be pre-set and override user settings to prevent possible damage due to excess temperatures to the valuable contents of this building. This also prevents unnecessary operation that can waste energy.

Particular attention was paid to ensuring that the installed systems could be regularly maintained and serviced with minimum disruption to the galleries day to day operation. Comfort worked closely with the building designers and owners to ensure that adequate maintenance access was maintained by provision of suitable built in panels.

With so many specialist new works being carried out during the renovation, close co-operation was required by all trades. Comfort played their part, producing fully detailed drawings to ensure that any service clashes were eliminated at design stage and that all services and equipment would be contained within the new ceiling voids.

All major items of plant were located at roof level and required specialist lifting in to the building. Comfort managed this operation together with organisation of the necessary permit of and subsequent road closures.

The roof areas contain the Daikin Heat Pumps and the fresh air supply system, which provides tempered air to all areas of the building.

Comfort Air Conditioning Limited provide a full after installation facility and continue their regular association with the client and building by carrying out regular preventative maintenance and service support.



Comfort Service 365 Days per Year

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