

Carlton Club, Portsmouth



Daikin R32 systems bring year-round comfort for Carlton Club members

Latest R32 air conditioning systems from Daikin UK have given members of Portsmouth's Carlton Club new levels of indoor comfort in all seasons.

With help from nearby Daikin D1 Partner, Regal Environmental Systems, the club has installed five Daikin R32 split systems to meet requirements for heating and cooling.

R32 systems are very similar to R410a systems, but offer higher efficiencies. The refrigerant itself has a substantially lower global warming potential – 675 against 2088 – making it an important player in the phase-down of hydrofluorocarbons.

The Carlton Club, in the Drayton area of Portsmouth, is a private club with 285 members who enjoy its sporting and social facilities. It opens seven days a week and often hosts club and private functions.

Committee member John Wademan says: "We identified a need for air conditioning when we realised that the existing heating system was

inefficient. It was in three different sections from two separate boilers. Managing the heating was a growing nightmare.

"Many of our members are elderly and they do feel the cold, so we felt the need to get a system that would create a comfortable environment whatever the conditions outside.

"As a committee we have a responsibility to be careful with our members' money, so we obtained four quotations for this project. We chose Regal based on recommendations and personal experience of working with them elsewhere. They were not the cheapest, but we felt they were the best suited to install a system that met our requirements.

"We chose the Daikin R32 system because it was highly recommended by Regal. They met the client brief, which was very simple: we had several areas that we needed to heat and cool, and we needed the most energy efficient system that they could provide.

Year of installation

> 2017

Project requirements

- Air conditioning
- Air curtain
- Air purification
- Control
- Heating
- Hot water
- Refrigeration
- Ventilation

Installed systems

- > R32 Wall mounted unit
- > R32 Split outdoor unit
- > R32 Sky Air Roundflow
- > R32 Sky Air outdoor unit
- > Wired / Wireless remote controllers



Committee member John Wademan says:

“The installation went extremely smoothly. One other element of the client brief was that by 7pm every evening we needed to be open for members. That was achieved comfortably by Regal. They were in by 7.30am every morning and by 5.30pm in the evening they were cleaning up.

“On the final Friday evening, one of the committee members said to me: ‘when are they starting the air conditioning?’ I turned him around and pointed to one of the units on the wall.”



Stuart Watt, Operations Director, Regal Environmental Systems, says “The Carlton Club gave us a specific brief to resolve issues with their uneven heating throughout the building, and comfort levels when they have special functions. We offered them the Daikin R32 systems because of their energy efficiency and the latest technology.”

Regal installed:

- > a 10kW round flow cassette in the main function area
- > a 6kW wall mounted unit in the main bar area
- > a 4.2kW wall mounted unit in the conservatory
- > two 3.5kW wall mounted units in the snooker room.

Stuart Watt says: “This was the first project we completed with R32 systems. We found them simple to install. The engineering was almost exactly the same as R410a systems, so we are comfortable to roll this type of product out to many other customers.

“Commercially, using R32 compared to R410a is a no-brainer. The cost of the wall units is exactly the same, so we now always specify R32 systems when we install a high wall mounted unit for any customer.

“We first attended a Daikin R32 seminar to familiarise ourselves with the latest refrigerants. We’ve also been to seminars at the training centre in Woking and all of our engineers have attended workshops for R32. At no point have our engineers questioned the differences between R410a and R32 – it’s so simple.

“The installation was very straightforward. The building lent itself to the installation techniques and the client was very happy with what we did for them.”

Kit List

Code	Description	No of units
FTXM-M	R32 Wall mounted unit	4
RXM-M	R32 Split outdoor unit	4
FCAHG100F	R32 Sky Air round flow cassette	1
RZAG100LV1	R32 Sky Air outdoor unit	1
BRC1E53A	Wired remote controller	1
BRP069A42	Wireless remote controller	4



Daikin Airconditioning UK Ltd The Heights Brooklands Weybridge Surrey KT13 0NY Tel: 0845 6419000

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