

Case Study – Orangery heating / cooling

Location: Pagelsham Essex

Year: 2020 Project Cost: £16k

Job type: Air source heat pump



As a local Daikin D1 installer, the builder chose CBAC services Ltd for their expertise, in providing the solution for the heating and cooling in this newly built Orangery on the back of this large local house.

We went with 2 systems to give some resilience if there was a failure, they comprised of 2 x 14kw outdoor unit and 6 x 5kw chassis floor mounted units 3 on each system.

This system worked alongside with the wet oil burning boiler underfloor heating in winter. (I have tried to convert then to an Eco friendly air source system)

The chassis unit have 2 option for the return air filter, vertical up through the bottom or horizontal through the lower front end.

The owner wanted the chassis type of indoor unit so they can be incorporated within internal decorations.

We certainly had some challenges working closely with the builder when running the interconnecting refrigeration pipe work and cable, as the owner and builder wanted it all kept in within the 4" conduit already laid, all 30m.

We was able to leave the service on the floor within the orangery as the builder still had another 100mm of screed and under floor heating to lay.