

# TOSHIBA

Leading Innovation >>>

## Toshiba Solutions

Health centres - Daiseikai for flexibility, silence and comfort

### Equipment:

Toshiba R410A  
Daiseikai Split systems  
R410A Super Digital  
Inverter Split systems



*This ordinary suburban building contains a great deal of air conditioning*

### Application details

Sun Centre World in Warrington is the largest UK installation of Toshiba's top of the range award-winning Daiseikai Split system air conditioning. The new Warrington building is sited in a local conservation area.

The company needed a room-by-room solution to provide complete flexibility of use, as rooms are brought into and out of use depending on customer and equipment needs. Fixed speed units wouldn't do the job either, as rooms heat up and cool down rapidly and frequently. The ultra-sensitive inverter control of the Toshiba hybrid inverter system is key to their successful application to this role.

These suburban buildings dedicated to tanning are unlike any other tanning operation. The buildings have been purpose-built and are designed to fit into the fabric of a neighbourhood – in most cases this is residential rather than a parade of small shops. They offer a discrete luxury experience and count many celebrities among their customers. Hygiene is paramount. The conditions are maintained at day one levels by a full-time decorating and maintenance staff. Each room has a different look and feel. Reception areas have a computer display showing room occupation on a minute-by-minute basis. The tanning beds vary in style, size and luxury but all represent state of the art technology.



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### Solution

Twenty-three Daiseikai units are serving the individual tanning rooms, and a further Toshiba Super Digital inverter unit conditions the reception area. In the specially designed attic space of the building the Toshiba condensing units are neatly racked, and forced fresh air ventilation enables the reject heat to be dissipated when the cooling is in use. This arrangement has satisfied local planners and has enabled the building to use large quantities of air conditioning units in a residential area, maintaining the rooflines and occupying no external ground space. The absence of any low ambient temperatures means that there is a power consumption saving and these Toshiba units are designed to operate at maximum efficiency in part-load circumstances.

"When your tanning beds cost up to twenty-five thousand pounds and come from Germany, it's important that the room air conditioning is also the best. The Toshiba Daiseikai units are quiet and provide comfortable conditions and the type of control we need," enthuses Managing Director of Sun Centre World Ltd., Mike Dunn. "The allergy protective filtration is an essential feature for me too. I was also pleased by the ECA benefit which improves my cash flow."

The whole Sun Centre World concept is his idea and is going from strength to strength in the North-west. "I'm sure Toshiba are pleased," he added, "I am ordering more and more of these units as I expand my operations into other towns. I believe my Leigh centre is the largest tanning building in the country with 33 beds in a single location. There are thirty-three air conditioning units there too, and although all are Toshiba not all are Daiseikai, but I hope to upgrade soon."

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*The attic space solution could be used elsewhere*



*Daiseikai systems fit the bill*

**TOSHIBA AIRCONDITIONING**

Advancing the **eco**-evolution