



Event Cooling Hire Inflatable Theatre UK Tour 200kW Chiller & Air Conditioning

The challenge

The Showdome, an inflatable temporary theatre and events space, required air conditioning to ensure comfortable conditions for the audience, staff and performers during the recent UK national tour of In the Night Garden Live.

What did we do?

Carrier Rental Systems were asked to provide advice on the options for cooling the inflatable auditorium and connected spaces. A combination of the structure's excellent insulation properties and heat from theatrical lighting and visitors made conditions inside uncomfortably warm and stuffy. Our air conditioning experts attended site and carried out a survey to establish the scale of the problem, and the requirements for cooling and ventilation. After discussions with the client, we then drew up a detailed plan to deliver the comfort conditions required.

How did we do it?

We supplied and installed a high performance, high efficiency Carrier Model 220 Heat Pump Chiller and two CRS110 Air Handling Units, to deliver cool fresh air into the Showdome, with cooling focussed in particular on the auditorium seating and stage area. Hot air was extracted at high level and ejected to the atmosphere.



EQUIPMENT	<ul style="list-style-type: none"> Carrier Model 220 Heat Pump Chiller (cools water down to 5deg C); Two CRS110 Air Handling Units (each capable of moving 10,000m3 of air per hour); Three high velocity air extraction fans.
END USER	Mobile theatrical events organiser
APPLICATION	Air conditioning temporary inflatable auditorium
ADDITIONAL	600mm diam spiral-wound flexible ducting



Results

The solution, involving delivering cool air into the space and extracting warm air at high level, maintained comfortable conditions in the Showdome for the audience, staff and performers, and contributed to the tour's outstanding success.

Marc White, director at Carrier Rental Systems (UK) Ltd, said: "We are delighted to have been able to support the organisers, by providing comfort cooling and ventilation for their national tour. From comments received, our expert assistance in creating perfect indoor conditions helped ensure it was a commercial success for the company, and a thoroughly enjoyable experience for visitors."

Andrew Collier, Creative Director at Minor Entertainment, said: "We aim to deliver an outstanding audience experience in every way, and making sure the auditorium is comfortable is key. Carrier have been a long-term partner, working with us over a number of years to improve the cooling system and keep the Showdome at the right temperature for our audience and performers - even on the hottest days of the year."

**ONE CALL – ALWAYS
THE RIGHT SOLUTION!
0800 026 4717**