

Case study 325

Hotel requires event cooling

For a third successive year, Andrews Chillers hired a bespoke cooling system to a premium guesthouse in the South West of England ahead of a series of training courses being hosted there. A major provider of professional services had booked the entire facility for a month-long period and requested that a complex cooling arrangement be implemented before guests arrived.

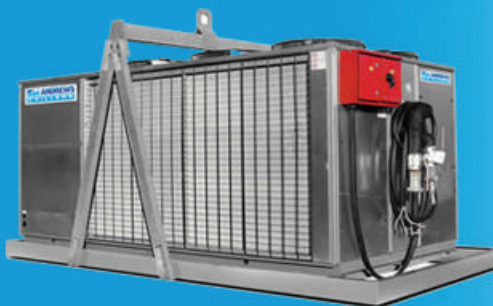
Our solution was to provide chillers adjacent to a central marquee and although the aptitude of our equipment was fundamental, it was also specified that a neat installation would be preferential. Hoses were therefore put in situ prior to the event beginning to facilitate the most aesthetically pleasing connection possible. As a result, minimal amounts of hose could be seen around the edge of each marquee. Generators were then stationed on the opposite side of the main access road to reduce the impact of any noise.

Andrews Chillers supplied a 100kW chiller unit for the site's fixed marquee, along with five 15kW air handlers which evenly distributed sufficient volumes of cold air. A larger chiller unit was required for the bigger structure and a 200kW chiller was delivered for this particular application. Another 100kW chiller was also deployed outside a structure which housed lighting apparatus and toilet facilities – again connected up to a series of 15kW air handlers.

One of our regional engineers attended the grounds of the hotel to ensure the project went smoothly, and then continued to visit at various points during the hire. The package we proposed ultimately proved very successful in helping to instil a comfortable environment – so much so that there has already been a preliminary agreement to provide heating for a similar event next February.



Nominal cooling duty 200 kW
Nominal heating duty 200 kW
Power supply 415 V 3 ph Run 120 A
Noise level (max) 53.3 dB @ 10 metres
Weight 3,500 kg
Dimension 4,100 x 2,300 x 2,700mm
Control Automatic programmer
Plug type Hard wired 5 core x 35mm²
Average power consumption 63.2 kW/hr
Generator size 140 kVA
Water connection 75 mm (3" Bauer)
Nominal water flow 10l/s



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