

Case study 303

Nightclub Cooling

A night club venue based in Manchester was reaching 40°C temperatures when at full capacity. The local authority, the Police and the Health and Safety Executive pressured owners into cancelling all club nights and events booked, unless a suitable cooling solution was put in place. An emergency call was made to Andrews Chiller Hire who surveyed the venue, quoted for the hire period and delivered and installed the units within 48 hours from the initial call from the event organiser.

Our solution was to install a bank of five air handlers with a 50kw output each, to be situated on either side of the main dance floor. Each air handler was connected to the main 500kW Chiller unit via flexible hoses and tees. This system delivered high volumes of chilled air, ensuring the air temperature inside the event hall remained below 27°C, considerably less than 40°C.

The Andrews Chiller Hire service included installing the units out of normal office hours so that the event got under way safely. The night club owners were very pleased with the work and extended the hire period. The night club are still in using our products which are proving to be an on-going success. As leaders within the industry, our goal is to work with our clients to develop the optimum cooling solution at a competitive and affordable cost.

During the rental period all Andrews Chillers are regularly maintained and serviced as part of the hire agreement, and a manned 24 hour service department ensures that you receive a premium service in the unlikely event of a system failure.



Nominal cooling duty 500 kW 1,876,600 btu
Power supply 415 V 3 ph +E 50 Hz Run 320 A/hr
Noise level (max) 82 dBA @ 10 metres
Weight 4,200 kg
Dimension 3,491 x 2,438 x 2,590 mm
Plug type Hard wired
Average power consumption 160 kW/hr
Generator size 400 kVA dependent on system resistance



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