

Case study 318

Andrews Keep Cricket Fans Cool

At Andrews Chillers, we have been providing sporting events and exhibitions with bespoke cooling equipment for decades. Our unrivalled experience and range of equipment has allowed us to become established as the country's leading specialist hire company. Unlike many of our competitors, we pledge to respond to enquiries within four hours while offering round-the-clock service – meaning you are covered should an emergency arise.

So when a cricket ground in the North East required air conditioning ahead of a match taking place the next day, they called us knowing we could provide an appropriate solution. Outdoor temperatures were expected to be approaching 30°C and as such, temporary cooling was required for the hospitality suite. With large numbers of people expected to be within the vicinity the following day, our technicians had to move quickly to ensure the facility was comfortable for spectators.

In order to ascertain the best course of action for this particular application, we sent a qualified engineer to assess the premises. This enabled us to quantify dimensions and then calculate the level of cooling needed as a result. It was therefore decided that a 100kW fluid chiller would be necessary, along with six fan coils and a power generator. The size of the room meant that traditional compact air conditioning units would be insufficient, which is why a powerful chiller unit was installed instead.

Highly efficient and environmentally friendly, the 100kW model is capable of generating large volumes of cool air, making it ideal for corporate events. The client was extremely pleased with our service and the chiller itself, which served its purpose and kept cricket fans cool throughout the day.



Nominal cooling duty 100 kW 341,200 btu
Plug type BS4343 63 A 5 pin
Power supply 415 V 3ph +E 50 Hz Run 70 A/hr
Average power consumption 31.6 kW/hr
Noise level (max)58.5 dBA @ 10 metres
Generator size 75 kVA
Weight 1,790 kg
Nominal heating duty (HP version) 100 kW
341,200 btu
Dimension 3,100 x 1,330 x 2,775 mm
Water connection 2 Bauer
Control Automatic programmer



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