

Case study 316

Olympic Stadium Cooling

Andrews Chiller Hire has for many years, worked on some of the UK's biggest construction projects creating bespoke cooling solutions. We understand how important deadlines are to developers, whether it affects your reputation, revenue or target we are available 24/7. When we were called upon to help with the construction of the Olympic Stadium in Stratford, Andrews Sykes were very pleased to be part of such a grand event.

The construction of the Olympic Stadium, one of the most recognisable venues in London -designed to host world-class events long into the future - contacted Andrews Chiller Hire due to an issue with their concrete mixing. The water used to create the specialised concrete was too warm; as a result they needed to chill the water prior to the mixing process. This would ensure that all the elements of the specialised blend would bind together as per the manufacturer's guidelines.

The company contacted Andrews Chiller Hire and after a thorough survey of the application by one of our Chiller experts it we recommended the use of a 200kW fluid chiller, complete with flexible hoses, a heat exchanger and a temporary generator. All of these components were selected purposely to ensure the best result. The water had to be pre-chilled to 4 degrees Celsius as per the clients' recommendation. The 200kW fluid chiller is a robust and powerful unit; it's easily portable and environmentally friendly. Consequently, this unit was perfect for the application.

Once the chiller was installed and commissioned the builders manufactured the first batch of concrete, which was tested and met the required specifications. The customer was then able to continue and complete the work. Andrews Chiller Hire is the UK's leader in Chiller Hire Solutions, offering fast and friendly service nationwide.



Nominal cooling duty 200 kW 682,400 btu
Plug type Hard wired
Power supply 415 V 3 ph +E 50hz
Run 120 A/hr
Average power consumption 63.2 kW/hr
Noise level (max) 53.3 dBA @ 10 metres
Generator size 140 kVA
Weight 3,500 kg
Nominal heating duty (HP version)200 kW
682,400 btu
Dimension 4,550 x 2,300 x 2,900 mm
Water connection 3 Bauer
Control Automatic programmer



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