

Case study 324

Mothballed power station assisted

As the number one supplier of hired chiller units to industrial facilities across the UK, we have an unparalleled understanding of your industry's requirements and how best to accommodate them. This awareness enables us to seamlessly implement cooling solutions on a case-by-case basis while also taking any future needs into consideration.

So when a well-known power station in Greater London required temporary cooling as part of the decommissioning process, the project's contractor contacted Andrews Chillers. Transformers inside the station had historically been cooled via water pumped from the Thames but this was no longer possible as pipeline involved was among the first parts of the site to be shut down permanently. An alternative option therefore needed to be sourced immediately as the client still had to cool transformers via another method.

Our response was to rent a 200kW fluid chiller to the location, with flexibility on the installation necessary due to the slow nature in which the grid was being withdrawn. An Andrews technician installed and commissioned the unit and on the clients request returned at a later date to ensure our unit was operating as expected. The chiller was set up to work within particular parameters, thus allowing the wider shutdown to continue.

This solution proved extremely successful and proved an excellent substitute to what had become an inaccessible source of natural cold water. Discussions have since been held regarding the hire of a second chiller with our client looking to cool a separate transformer housed within the same plant.



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 35mmz
Average power consumption 63.2 kW/hr
Generator size 140 kVA
Water connection 75 mm (3" Bauer)
Nominal water flow 10l/s



HIRE SALES SERVICE INSTALL

0800 211 611

andrews-sykes.com