

Case study 320

Vital servers kept cool

At Andrews Chillers, we recognise that data and telecommunication equipment play a pivotal role in many types of business. Server rooms are at the heart of successful companies nationwide, so when these are under threat, we move quickly to ensure they remain functional. Our experience in the IT industry gives us an excellent platform for delivering practical solutions to customers all year round. With depots situated throughout the UK, and thousands of units available for hire, we guarantee to have the necessary depth of resources to accommodate projects on any scale.

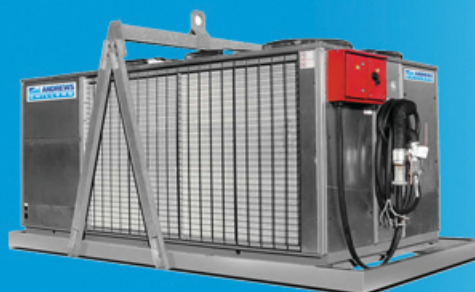
In many cases, chillers represent a better and more cost-efficient alternative to conventional air conditioning systems – particularly where large cooling duties are concerned. So when a global media company sought a resilient cooling arrangement to keep servers online during an upgrade, they contacted us in search of a stand-in replacement. Some of the hardware at their Berkshire headquarters had begun to overheat and this was putting broadband and telephone services at risk.

In response to the issue, we installed a 200kW fluid chiller in the car park – along with a 150KVA generator due to an on-site power source being unavailable. Seven 30kW air handlers were then spread out evenly inside the actual data centre, enabling cool air to be distributed throughout the entire room.

Following the enquiry, we sent two specialist engineers to the premises where they carried out a comprehensive assessment. Equipment was then delivered the next day and which helped keep our clients' servers operating while their chiller system was being modernised.



Nominal cooling duty 200 kW
Power supply 415 V
Noise level (max) 53.3 dBA
Weight 3,500 kg
Dimension 4,550 x 2,300 x 2,900mm
Control Automatic programmer
Plug type Hard wired
Average power consumption 63.2 kW/hr
Generator size 140 kVA
Nominal heating duty (HP version) 200 kW
Water connection 3 Bauer



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