

Case study 339

Chiller hire prevents server room shutdown

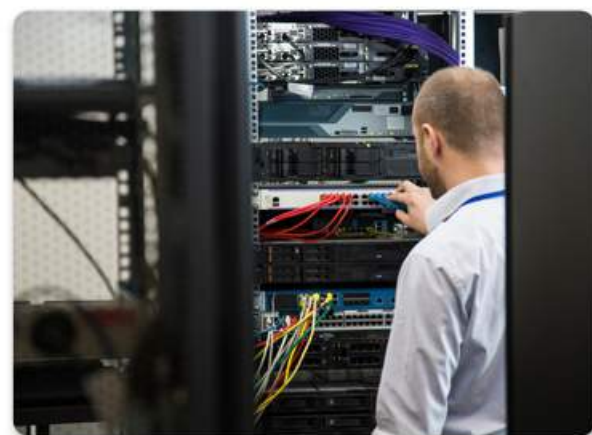
Our aptitude for providing tailored air conditioning solutions at short notice is a primary factor in us being established as one of the industry's most reliable suppliers. The speed with which we react to emergency callouts has been highlighted on numerous occasions, including recently when one of Britain's leading communications companies needed help keeping their own server room online.

Our client was having maintenance work done to their existing cooling system, requiring them to turn off all existing air conditioning in their data centre. It was therefore requested to provide portable chillers and air handlers to help eliminate the risk of a server breakdown caused by overheating.

A local Andrews technician visited the premises to conduct a site survey - assessing the specifications of the area before proposing a suitable chiller and air handler solution that was befitting of this specialist environment.

After discussions, it was determined that there was a need for 200kW of cooling duty on site. However, due to a restriction in height and an inadequate power supply on-site, our specialists decided that the best solution would be to supply two 100kW temporary chillers and a 150KW air handler.

Once commissioned, our chiller hire solution worked perfectly, distributing an optimal level of cooling throughout the application.



Nominal cooling duty 100 kW
Nominal heating duty 115 kW
Power supply 415 V 3 ph Run 104.2 A
Noise level (max) 68.5 dB @ 10 metres
Weight 2,030 kg
Dimension 2,965 x 1,270 x 2,740mm
Control Automatic programmer
Plug type BS4343 A 5 pin
Average power consumption 43 kW/hr
Generator size 115 kVA
Water connection 50 mm (2" Bauer)
Nominal water flow 5 l/s



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