

Case study 332

Andrews keep major hospital units running

The gradual expansion of specialist departments offered by a prominent Kent hospital has led to an increasing number of patients using the facility each year. As a result, it is now estimated that as many as 400,000 people visit annually – or 1,400 every day. These growing figures put extra pressure on an already strained service and mean that time must be used frugally to ensure each patient can be attended to properly.

An unexpected chiller breakdown meant that operations would be cancelled or delayed unless a hired solution was found quickly, and this could have been disastrous given the extent of demand for treatment. A urology centre, vascular unit and cardiac catheter suite were all affected by a lack of cooling and so a replacement was required immediately to keep these major theatres operational.

Andrews Chiller Hire were contacted within minutes of their unit failing, enabling a regional technician to visit site the very same day. Our quick response to the issue allowed us to propose and install temporary equipment which was deployed outside the premises at ground level. Temporary pipework was then run up the building's second floor and connected to the client's existing flow and return connections. Once the chiller was installed and commissioned it provided a continuous 100kW supply of chilled water to maintain temperatures within the building.

Our swift reaction following an emergency callout prevented the seemingly inevitable delay of medical treatment being carried out. As a result, the client was extremely pleased with the efficiency of our staff who worked during the night to ensure the temporary chiller was operational.



Nominal cooling duty 100 kW
Nominal heating duty 100 kW
Power supply 415 V 3 ph Run 60 A
Noise level (max) 58 dB @ 10 metres
Weight 1,560 kg
Dimension 3,090 x 1,330 x 2,775mm
Control Automatic programmer
Plug type Hard wired 5 core x 35mm²
Average power consumption 33 kW/hr
Generator size 75 kVA
Water connection 50 mm (2" Bauer)
Nominal water flow 5 l/s



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