

# Case study 302

## Emergency Chiller for Hospital

A hospital in Wales encountered a chiller failure that was detrimental to the hospital's services. The chiller provided cooling for many of the hospital's operating theatres and an emergency out of hour's service was provided by Andrews Chiller Hire to ensure that operations were not postponed by providing a temporary chiller for hire. The existing chiller was located on the roof of the building which proved to be a challenge for the Andrews Chiller Hire team; however this challenge was quickly overcome. After an engineer visited the site the use of a 200kW fluid chiller was recommended and positioned in the car park at ground level.

Installation of the chiller and its ancillary equipment was carried out during the evening when the hospital car park was empty. Hoses were fed from the chiller, 3 metres to the walk way, and then for an additional 3 metre rise where it was fed into the building via the window. Power for the temporary chiller was supplied from the existing power supply on site which eliminated the need for a generator reducing further cost.

The Andrews Chiller Hire range of high capacity fluid chillers have been developed to provide a fast and efficient solution for many applications that require high volumes of cooling capacity. The chiller being located in the roof space made this application complex, but the Andrews experts came to an efficient solution quickly. The equipment was kept on hire until a new chiller had been installed. The hospital was grateful for the fast response time we provided as disruption was kept to a minimum and emergency services such as operating theatres were kept running as usual.

From emergency breakdown to planned maintenance, Andrews Chiller Hire has the experience and expertise to ensure you remain cool and in control whatever your business or process requires.



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



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