

Case study 473

Andrews provide intensive care unit with emergency cooling equipment

Following a record-breaking hot summer, Andrews Air Conditioning have been working alongside dozens of clients operating within the healthcare sector – including a well-established Westminster hospital.

The warm weather had caused the condensers to fail on our customer's existing cooling plant, potentially leaving patients vulnerable inside the hospital's intensive care unit. It was therefore imperative that we tackled the breakdown on the same day it was brought to our attention.

Before arriving at the hospital, our regional specialist was warned that failing to address the issue would potentially cause patients to be moved to other wards. Our client was desperate for this scenario to be avoided as time and resources would clearly have been better spent elsewhere. By quickly providing an emergency cooling solution, we would ensure that staff working in the hospital had one less problem to contend with and that their focus could remain on patients needing care.

After assessing the building's required cooling capacity, our expert recommended the deployment of our portable Zephyr ET units. More than thirty of the hired air conditioners were stationed around the intensive care unit, with this particular model chosen because of its dual exhaust – enabling the quick removal of hot air and its rapid replacement with cooling.

Once operational, our temporary air conditioning units had an immediate impact and were combatting hot temperatures within seconds of being installed. The short-term cooling equipment provided by our experts played a decisive role in ensuring the ward could operate as normal without having to relocate patients, much to the relief of our client.



Nominal cooling duty 4.5kW
Air flow (max) 777 m³/h
Typical cooled area 99 m²
Power supply 230V 1ph 50Hz Run 7.6A
Noise level (max) 59 dba @ 3m
Weight 110kg
Dimensions (mm) 746 x 485 x 1,018
Exhaust duct 2 x 2.5 metres x 140 mm
Control Automatic thermostat
Average power consumption 1.75 kW/h



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