

Case study 435

National broadcaster needs cooling

In the broadcasting and telecommunication industries particularly, a reliable air conditioning system is absolutely imperative for companies within these fields to operate effectively. Server rooms and other vital electronics are constantly in use and as such, are always at risk of overheating if not kept in a suitable environment.

So when one of Britain's most well-known television networks sought some temporary cooling for its base in the North East, they contacted Andrews Air Conditioning in search of a short-term solution. Our client's premises were being renovated, leading to existing chiller units originally situated on the roof being decommissioned and relocated elsewhere. Two 17kW chillers were taken offline, meaning a transitory replacement was needed in order to ensure broadcasting could continue.

The main transmission area was part of a reasonably old building and highly secure due to its overall importance to the customer. An Andrews technician was sent to the site to conduct a survey and propose an appropriate hire package off the back of his findings. It was decided that two ET25 portable air conditioners would be deployed in the chiller system's absence, as well as an additional ET21 cooler.

These remained in place for a total of two weeks until the initial arrangement had been reinstalled, enabling a household name in the broadcasting sector to remain fully active during this period. The client was so satisfied with our speedy service that they have decided to adopt this solution as their contingency plan should their equipment fail in the future.



Nominal cooling duty 7.33kW
Air flow (max) 960 m³/h
Typical cooled area 159m³
Power supply 230 V 1 ph 50 Hz Run 13 A
Noise level (max) 69 dBA @ 1 metre
Weight 90 kg
Dimension 590 x 490 x 1,300 mm
Exhaust duct 12 metres
Control High pressure switch - 3min. delay timer. Thermostat and relief valve.
Average power consumption 2.6 kW/hr

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