Case study 413
Research Facility Requires Cooling

When a major organisation encountered overbearing heat within its London headquarters, an immediate solution was sought to facilitate its continued operation. The administrative system – a service think tank largely responsible for international defence and security – had suffered disruption following a period of prolonged hot weather. As a result, employees and other people within the building began to complain about the uncomfortable conditions. Andrews Air Conditioning were subsequently approached and tasked with ensuring the building was restored to a satisfactory working environment.

The location of the premises meant that outside access was restricted, so a cooling system had to be designed with this in mind. Following a discussion between the client and a member of our specialist contact team, we were able to recommend suitable equipment which was on site early the next day. It was therefore decided that three Polar Wind units and an ASF21 fan would adequately cool the whole area, and these were installed within minutes of our arrival.

With three portable Polar Winds stationed at different points of the building, enough cool air was generated to bring temperatures down to a normal level. These were specifically chosen because of their automatic operation and economical running, making them ideal for near-constant use.

We were delighted to assist a vital security think tank by providing an effective climate control solution, thus preventing productivity from faltering. The customer was extremely pleased with the speed at which we supplied temporary air conditioning as well as its aptness for the problem at hand. The equipment was retained indefinitely with further hot weather expected after deployment, underlining its efficacy in what was a fairly unusual application.

Nominal cooling duty 4.1 kW
Weight 45 kg
Air flow (max) 360 m3/h
Dimension 400 x 480 x 840 mm
Power supply 230 V 1 ph 50 Hz Run 9 A
Control Remote with automatic thermostat
Noise level (max) 56 dBA @ 1 metre
Average power consumption 1.8 kW/hr
Exhaust duct 2 metres x 127 mm diameter

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