

# Case study 457

## Plant room kept cool by Andrews Air Conditioning swift response

At Andrews Air Conditioning Hire, we understand that adequate and efficient temperature control is fundamental to the continued operation of any plant room. So when our client was experiencing difficulties cooling the equipment in their facility, they contacted our specialists in search of an emergency cooling solution.

Our client's plant room, situated in the basement of the building, was reaching temperatures as high as 37°C as a result of inadequate climate control. The application in question had a requirement for room temperatures to be kept below a threshold of 25°C to ensure equipment remained undamaged.

Having assessed the application, an Andrews technician was able to propose a suitable cooling arrangement having decided that the best course of action was to install three PAC22 split-type air conditioners.

These portable units were positioned directly in the plant room to ensure that a constant and cool flow of air was reaching the most affected areas. The engineer strategically ran the PAC lines up to a secluded area of the building to where the heat exchangers were sited.

By implementing our temporary air conditioning package, our experts were able to keep room temperatures below 25°C – allowing the plant room to remain operational. Our client was extremely relieved once the units were installed and they explained the possible consequences had we not provided our specialist equipment.



Nominal cooling duty 6.47kW  
Air flow (max) 990m<sup>3</sup>/h  
Typical cooled area 156m<sup>2</sup>  
Power supply 230V 1ph 50Hz Run 7.3A  
Noise level (max) 52 dba @ 3m  
Indoor weight 122kg  
Outdoor weight 20kg  
Indoor dimensions (mm) 850 x 380 x 1,240  
Outdoor dimensions (mm) 565 x 285 x 520  
PAC line length 5 metres (max 30 metres)  
Control Automatic thermostat  
Average power consumption 2.0 kW/h  
Optional cold air duct 2 x 200mm x 5m



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