

# Case study 418

## IT Room Requires Air Conditioning

Canary Wharf is a major business district and one of London's two main financial centres – along with the City of London. Around 105,000 people work in the area, which is home to a number of banks, professional services and media organisations. The continued operation of companies within these sectors is therefore absolutely vital, with disruption potentially costing them tens of thousands of pounds a day. So when a bank's air conditioning system required essential maintenance, we were tasked with providing a temporary alternative while this was being completed.

An Andrews engineer visited the premises in Docklands to ascertain which equipment would be most suitable for the application. After a thorough assessment, it was decided that a number of PAC22 units would adequately cool the vicinity while the bank's existing air conditioning system was offline. In total, 29 were delivered and installed at various points to ensure all parts of the building benefited from the circulation of cool air. PAC 22s were recommended because of their near-silent operation and simple deployment, allowing them to be up and running within minutes of our arrival.

This particular job was carried out over the weekend due to the number of people working on the site between Monday and Friday. Six technicians arrived on Friday evening to ensure the units were ready, and these were set up and fully-functional before the end of the night. This allowed the client's own air conditioning system to be repaired while ours acted as a short-term substitute. Our engineers remained on call throughout the shutdown and decommissioned the units on Sunday evening, once maintenance had been completed.



Nominal cooling duty 6.5 kW  
Indoor noise level (max) 65 dBA @ 3 metres  
Typical cooled area 156 m<sup>2</sup>  
Outdoor noise level (max) 62 dBA @ 2 metres  
Power supply 230 V 1 ph 50 Hz Run 11 A  
Indoor weight 119 kg  
Control Automatic thermostat  
Outdoor weight 20 kg  
Average power consumption 2.4 kW/hr  
Outdoor dimensions 285 x 565 x 520 mm  
Indoor dimensions 820 x 390 x 1,245 mm  
PAC line length 5 metres (max 30 metres)



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