

Case study 448

Bespoke air conditioning hire arrangement keeps server room online

Adequate and efficient air conditioning is essential to the operation of any data centre, computer room or server room, as these facilities all consume substantial quantities of energy. Failure to maintain your cooling system can lead to untimely breakdowns and in turn, severely affect the reputation of your business.

So when our client had planned maintenance works which involved upgrading and installing additional racks in their server room, an immediate solution was required to safeguard all rooms against the heat.

A local technician was able to visit the site and conduct a survey within hours of initial contact. It was decided that four large PAC 22 temporary air conditioning units would adequately compensate for their existing cooling system being closed down, bringing the room down to the desired temperature.

The installation itself was particularly awkward as the server room doors could not be kept open. However, this was overcome by creating holes in the adjacent room, feeding the hoses through to the cold a storage room where we placed the heat exchanger for the hot air distribution.

As expected, the client is extremely happy with our air conditioning hire package – keeping the units on site throughout the duration of the project and requesting an additional two PAC 22 rental units for cover over the Easter weekend.



Nominal cooling duty 6.5kW
Air flow (max) 990m³/h
Typical cooled area 156m²
Power supply 230V 1ph 50Hz Run 7.3A
Noise level (max) 62 dba @ 3m
Indoor weight 122kg
Outdoor weight 20kg
Indoor dimensions (mm) 850 x 380 x 1,240
Outdoor dimensions (mm) 560 x 280 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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