

Case study 451

Air conditioner hire keeps hospital ward cool

For the last three summers, Andrews Air Conditioning have provided a prominent London hospital with a cooling hire package to ensure patients remain comfortable on their wards. This solution has comprised of portable air conditioning units to ensure temperatures are sufficiently controlled, with one particular model used on various sites because of its low running costs and suitability for the environment.

The project has led to our popular split units become more and more desirable as they offer customers an external unit that transfers heat away from the interior unit. For this reason, our PAC14 Series 5 QC has been selected for this year's assignment. These units have been recently introduced to our hire fleet and offer impressive cooling capacities despite their relatively small size.

We recommended the use of several PAC14 Series 5 QCs throughout the hospital because of their quiet operation, which enables patients to rest undisturbed while on the ward. Each unit has a maximum air flow of 620m³/h and a cooling capacity of 4.3kW typically cooling an area of 100m³. The indoor unit is sited in the area that cooling is needed and is easily connected to the external heat exchanger with a 3-metre quick coupled line.

Our client remains extremely satisfied with our solution to impending seasonal heat, as all equipment is now set-up and ready to counteract any rising temperatures.



Nominal cooling duty 4.3kW 14,672 btu
Air flow (max) 620m³/h
Typical cooled area 100m³/h
Power supply 230V 1ph 50Hz Run 4.72A
Indoor noise level (max) 52 dBA @ 1m
Outdoor noise level (max) 54 dbA @ 1m
Indoor weight 34kg
Outdoor weight 14kg
Indoor dimensions (mm) 470 x 335 x 695
Outdoor dimensions (mm) 510 x 230 x 490
PAC line length 3 metres
Control Automatic thermostat
Average power consumption 1.08 kW/h



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