

# Case study 330

## Replacement cooling provided for hotel

With the hospitality industry experiencing significant growth over the last three years, there is extra pressure on hoteliers and similar businesses to ensure they are well-regarded among customers. One of the most important yet often overlooked requirements is the availability of reliable climate control, and this basic provision is extremely noticeable when ineffective or absent. A cooling system breakdown can therefore have catastrophic consequences for your reputation if not addressed urgently.

This was the precise situation a popular international hotel in London Docklands was faced with when two of their three on-site chillers failed unexpectedly. The majority of their 400 rooms and suites were immediately left without any air conditioning and this unsurprisingly led to complaints from guests.

Andrews Chillers were asked to install alternative equipment as quickly as possible – something we could accommodate almost instantly given that our flagship depot is situated less than four miles away. A large 750kW fluid chiller was delivered to our customer's premises and positioned in a car park adjacent to the main building. Hoses were then run through a riser and down two basement levels, where the plant room was situated.

Although an awkward project at first glance, we were able to run all connections through holes in walls and flooring without causing any disruption to visitors. Our hire package was up and running within a matter of hours (much to the customer's relief) and restored a deficient cooling system during peak summer heat.



Nominal cooling duty 750 kW  
Power supply 415 V 3 ph Run 576 A  
Plug type Hard wired 4 x 35mm<sup>2</sup>  
Noise level (max) 77 dBA @ 3 metres  
Weight 7,450 kg  
Dimension 6,058 x 2,438 x 2,591mm  
Control Automatic programmer  
Average power consumption 218 kW/hr  
Generator size 550 kVA  
Water connection 100 mm (4" Bauer)  
Nominal water flow 37.5l/s  
Low temp -12C



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