

Case study 343

Chiller hire provides retail development with temporary cooling

During the summer season, one of the largest retail and office developments located in central London suffered issues with their air conditioning system. As regional experts with an unrivalled experience of handling such scenarios, Andrews Chillers were called in to help provide an effective cooling solution.

The company in question are a leading mechanical and electrical building services company with over 30 years in the industry. Our client was tasked with providing a short-term cooling solution to successfully bring temperatures down in one of their retail units.

Following a site survey conducted by one of our specialists, it was decided that a chiller hire would be the best solution for this application. We deployed and installed one of our 30kW chillers which was positioned outside of the application in the loading bay. The customer was also provided with two 15kW air handling units, and these were placed inside the store to welcome a direct cold stream of air.

As the air handlers have an electronic fan speed controller, the customer set the fan speed to a minimum setting to avoid unwanted noise.

The water-cooled chiller was used to circulate cold water around the internal air handling units and creating a pleasant room temperature for both staff and customers – leaving our customer delighted with the results.



Nominal cooling duty 30 kW 102,360 btu
Nominal heating duty 30 kW 102,360 btu
(HP version)
Power supply 415 V 3 ph N+E 50 Hz Run 19 A
Plug type BS4343 32 A 5 pin
Noise level (max) 73 dBA
Weight 350 kg
Dimensions (L x W x H) 1,600 x 860 x 1,700 mm
Control Automatic programmer
Average power consumption 10 kW/h
Generator size 30 kVA
Water connection 32 mm (1 1/4") Camlock
Nominal water flow 1.75 l/s



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