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Andrews ensure magistrates' court remains open

Having worked alongside major customers in the public sector for a number of years, we at Andrews Chillers recognise the importance of emergency procurement when things go wrong. There is a great deal of pressure on those responsible for such places – as well as government buildings – to ensure they remain open even when uncontrollable factors come into play.

The need for swift intervention became obvious at the height of summer in 2016, when a magistrates' court in Essex began overheating. Our client – a large British outsourcing company – had approached us seeking an alternative cooling arrangement as the existing chiller unit had proved to be unfit for purpose.

Once the enquiry was formally received, we provided a rapid response service which included a regional expert surveying the site before recommending a particular chiller. As a result of this preliminary process, a 375kW fluid chiller unit was delivered to site and connected to the system on the fourth floor via hosing provided by us.

The project itself posed some challenges – most notably the potential difficulty of fitting our replacement chiller to the customer's plant room at the top of the building – but this was easily circumvented in the end. Flexible hosing was subsequently fastened to the exterior brickwork which allowed it to be linked to the current circuit. By implementing this solution, we ensured the interior of several courtrooms were brought down to a more desirable temperature meaning cases could proceed as planned.



Nominal cooling duty 375 kW
Power supply 415 V 3 ph Run 199 A
Plug type Hard wire (4 x 95mm²)
Noise level (max) 70 dB @ 10 metres
Weight 5,220 kg
Dimension 6,058 x 2,438 x 2,591mm
Control Automatic programmer
Average power consumption 99 kW/hr
Generator size 200 kVA
Water connection 100 mm (4" Bauer)
Nominal water flow 17.5 l/s
Low temperature -12C



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