

Case study 348

Temporary Chiller replacement provided for prestigious Sheffield theatre

Andrews Chillers were recently contacted by one of Yorkshire's most famous theatres after their existing cooling system broke down unexpectedly. Our client, who was based in Sheffield, was therefore in desperate need of an emergency air conditioning solution which could be quickly installed during the height of summer.

The theatre in question had a number of sold-out events scheduled which would have been cancelled unless we could propose replacement cooling equipment to bring temperatures down for both visitors and performers. As a result, our client required a reliable chiller hire replacement capable of producing high volumes of cold air without disrupting any performances or creating additional noise.

Our specialists were drafted in at short notice and asked to survey the application and recommend a suitable chiller rental arrangement to assist with removing excess heat.

Following discussions, we deployed and installed a temporary 50kW chiller which was connected to the client's existing chilled water distribution system. The short-term cooling unit was specifically chosen because of its quiet operation and small footprint, as well as its ability to reduce temperatures considerably.

Once commissioned, our chiller hire package helped create a constant circulation of fresh air – allowing the cast on stage to perform without issue, and guests to enjoy their experience!



Nominal cooling/heating duty 50 kW
Plug type BS4343 32 A 5 pin
Noise level (max) 72 dBA @ 10 metres
Weight 650 kg
Dimension 1,600 x 1,080 x 1,750 mm
Control Automatic programmer
Average power consumption 9.4 kW/h
Generator size 50 kVA
Water connection 32mm (1 1/4") Camlock
Nominal water flow 2.4 l/s
Power supply 415 V 3 ph N+E 50 Hz Run 30.25 A
Low temp -5C



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