

Case study 351

Emergency chiller hire keeps TV station operational

When a prominent TV station required an emergency cooling package following a breakdown, Andrews Chiller Hire stepped in to provide assistance. The national broadcaster contacted us out-of-hours seeking an urgent cooling solution for their studio control room, following the breakdown of an ageing air conditioning system.

Although up to a dozen people work in the production room during transmission, a hire cooling solution was actually required to protect electronic hardware housed inside. Cameras, audio equipment, consoles and other sensitive equipment are vulnerable to overheating if conditions are not monitored properly, which is why the installation of a temporary air conditioning hire arrangement was considered an emergency.

A local engineer was sent to site to survey the premises and suggested an appropriate course of action within a few minutes of arrival. It was decided that a 50kW chiller would provide sufficient cooling capacity for the environment in question and reduce temperatures to a safer level once connected to the client's pipework.

By acting quickly, we ensured that all broadcasting obligations were kept and avoided the potentially disastrous scenario of an interruption occurring mid-show. Our equipment was retained for around three weeks and was only decommissioned once the client's faulty system had been replaced by a modern configuration.



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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