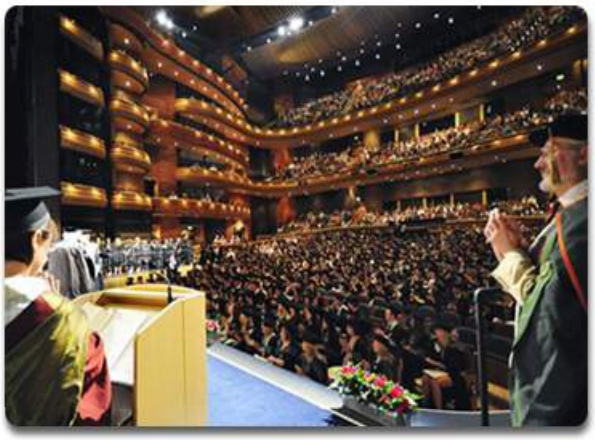
Case study 309

Graduation Ceremony Requires Temporary Cooling

A famous venue in Wales used Andrews Chiller Hire services to air condition the main hall in preparation for their graduation ceremony. With a high increase of heat loads expected due to the large anticipated turnout for the event, chillers connected to air handling units and fan coils were required to cool down the areas. Andrews Chiller Hire was asked to supply temporary cooling solutions for both the main hall and the marquee where the graduation reception would be held.



Our specialist engineer completed a full site survey and recommended the use of three 30kW chillers connected to fan coil units in the marquee. The discreet design of the fan coil unit blended in to the marquee structure so that photographic opportunities would remain pleasant. To cool the main hall a 375kW chiller and two 150kW air handling units was provided supplying cooled air via internal ducting running the length of the hall. This type of air handling unit and chiller is very reliable and can supply cooled or heated air through long lengths of temporary ducting, fully automatic in operation these units can be used all year round supplying heating or cooling through our heat pump option.

The graduation guests and participants were extremely pleased with the level of cooling we provided. Graduations are an important event for many families, it is therefore essential that the right temperature is provided to make sure the event goes to plan.

Nominal cooling duty 375 kW 1,279,500 btu
Control Automatic programmer
Power supply 415 V 3 ph +E 50 hz Run 199 A
Plug type Hard wired
Noise level (max) 70 dBA @ 10 metres
Average power consumption 99 kW/hr
Weight 4,800 kg
Generator size 200 kVA dependent on system resistance and pump size
Dimension 6,058 x 2 438 x 2 591 mm
Water connection 4" Bauer