

# Case study 702

## Ventilation fans keep tourists cool

In some scenarios, a temporary or fixed air conditioning system may not be suitable for a particular building if it doesn't meet certain requirements. Limited access for ducting, issues with siting an outside condenser or even simply high costs can all contrive to prevent you using conventional cooling systems. When faced with this situation, alternative solutions must be sought to ensure high temperatures are combatted effectively.

As one of the world's most iconic tourist attractions, the Tower of London is bound by strict regulations that preclude the installation of any permanent air conditioning equipment. More than three million people flock to the historic castle per year – with a large proportion visiting during the summer period.

It is important to ensure that between the months of June and August, a short-term measure is in place to reduce the effects of seasonal heat. A newly-refurbished exhibition area had started to become increasingly warm, as well as the main gift shop, and these two parts of the building were beginning to concern tourist operators. Our client therefore needed a way to make the surroundings more comfortable for sightseers, without breaching the aforementioned guidelines.

In response, we provided more than twenty ASF21 and ASF50 ventilation fans which were strategically deployed around the identified areas. This was undoubtedly the best solution for the assignment in question as all that was needed to implement it was an electronic power supply. Large quantities of fresh air were then circulated throughout the two problem spots, immediately improving conditions for all inside.



Air flow (max) 7,600m<sup>3</sup>/h  
Power supply 230 or 110 V versions  
Plug type BS1363 230 V  
BS4343 16A 110 V  
Noise level (max) 80 dBA @ 1m  
Weight 21kg  
Dimensions (mm) 840 x 345 x 820  
Control Manual variable speed  
Average power consumption 851 W/h



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