

# Case study 137

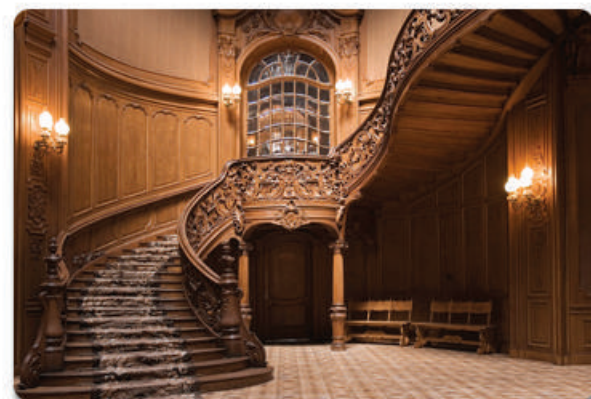
## Country retreat requires event heating

During the winter months especially, the presence of an efficient heating system cannot be understated as far as events and functions are concerned. So when a recently-married couple and their families flew to England to celebrate the occasion at a stately home in Yorkshire, there was a sudden requirement for temporary equipment to be stationed on-site. Additional units were sought to supplement the existing system which was connected to a lake within the estate – providing a 5°C temperature uplift throughout the year.

Having assessed the application, a technician proposed deploying units outside the main premises and ducting warm air into the building, rather than stationing heaters indoors. It was stipulated that the gallery would need to be around 20°C ahead of guests arriving, and our assistance was necessary to pre-heat the room before lighting three of its open fires.

Our response was to deliver and install two FH111 indirect fired oil heaters within the country houses' grounds, and duct air into the vicinity through a series of sash windows. This high capacity product has the ability to increase temperatures of rooms up to 2,440m<sup>3</sup> in size, and is also among the most fuel efficient models within our range.

As desired, the units were commissioned before the party commenced and ensured the whole area was sufficiently warm well ahead of schedule. All windows were then closed, and the ducting disconnected, to facilitate the retention of as much heat as possible. This solution proved to be very successful and allowed guests to enjoy their weekend without feeling the effects of cold seasonal weather.



Nominal heating duty 110 kW  
Air flow (max) 8,000 m<sup>3</sup>/h  
Typical heated area 2,440 m<sup>3</sup>  
Power supply 230/110 V 1ph 50 Hz  
Plug type BS4343 230 V 16 A BS4343  
110 V 32 A  
Noise level (max) 79 dBA @ 1 metre  
Weight 380 kg  
Dimensions (mm) 2,230 x 780 x 1,340  
Duct length (max) 40 metres  
Fuel consumption 10.9 l/h



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