

# Case study 179

## Andrews Heat assists major construction company

After a fire broke out at a West Sussex academy school, a major construction company in the South was awarded the contract to rebuild the well-known institution.

The construction firm specialise in all factions of healthcare and housing developments but required some third-party assistance in order to complete the job as quickly as possible.

Due to the heavy rains and lower temperatures that hit the UK in November, some HVAC hire equipment was needed to accelerate various drying processes inside the new building. At this juncture, Andrews Heat for Hire was drafted in to assist with the issue by providing suitable heating equipment to help dry plaster and flooring.

Our specialists visited the site to survey the building and discuss the best solution with the customer. After considering the size of the building and the space available, they decided to use one Aurora FH2000 heater - which is capable of supplying 200kW of heating for areas of up to 4,108m<sup>3</sup> - and four ASF50 fans, which were used to help distribute the heat and increase the air flow.

The FH2000 heater was positioned in the middle of the academy's forecourt and four separate ducts were placed into different entrances of the building.

This project is a good example of how Andrews can provide an effective multi-unit drying solution which sped up a construction project and allowed the school building to reopen ahead of schedule. The customer in question was very pleased with our solution, commenting: "I could not fault the set-up. It was very effective."



Nominal heating duty 200kW  
Air flow (max) 12,000 m<sup>3</sup>/h  
Power supply 415 V 3 ph+E 50 Hz Run 7.5 A  
Noise level (max) 76.5 dBA @ 1 metre  
Weight (kg) 545 kg  
Plug type BS4343 3 ph 4 pin 32 A  
Duct length (max) 40 metres  
Generation size 25 kVA  
Duct size 300 mm x 4 or 600 mm x 1  
Fuel Tank Capacity 18.2 l/h  
Fuel Consumption 18.2 l/h  
Typical heated area 4,108 m<sup>3</sup>  
Fuel type Gas Oil  
Tank capacity Separate fuel buggy/tank required  
Dimensions (L x W x H) 2,400 x 800 x 1,370 mm  
Control Manual (external controls available)  
Flue size (min) 1 metre x 200 mm  
Fuel tank Remote fuel tank required



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