

Case study 107

Heating to reduce moisture

Moisture levels can be very difficult to control in buildings. When water leaks occur indoors it can create moisture and lead to mould. Mould has the potential to cause health problems, allergens (substances that can cause allergic reactions), irritants, and in some cases, potentially toxic substances.

During the rainy month of December we received a call from the divisional police headquarters in Leeds. They contacted us due to a problem with moisture in the cable traps under the floor and we responded immediately. Andrews Heat for Hire and Andrews Dehumidification wasted no time and worked on a plan to extract the moisture from the fabric of the building.

A site survey was completed where our specialist knowledge and experience in Dehumidifier Hire and Heater Hire meant we understood the client's specific drying and heating needs, allowing us to select the correct drying and heating equipment for the application. We proceeded with the installation of three Aurora FH111s a revolutionary high performance indirect oil fired heater. It is highly fuel efficient, producing more than 92% heating efficiency and is therefore more environmentally friendly than most other oil fired heaters. Two CT80s were supplied, designed to supply heat to awkward areas where access is difficult and can be fitted with up to 5 metres of flexible ducting. Finally twelve HD500s were supplied too. Built to withstand the vigorous treatment of construction sites, the large wheels also make it very manoeuvrable. Each unit was fitted with thermostats to control the temperature and help to control moisture levels.

This is an ongoing process and the customer is pleased with the development as the moisture level has been significantly reduced. We look forward to working with the client over the next few weeks and reducing the moisture levels further.



Heat output 110 kW
Power supply 230/110 V 1 ph 50 Hz Run 9.2/16A
Noise level (max) 79 dBA @ 1 metre
Duct size 450 mm
Duct length (max) 40 metres
Weight 330 kg
Fuel Consumption 10 ltrs/hr
Dimension 2,230 x 780 x 1,340 mm
Typical heated area 2,440 m
Control Manual, External controls available
(24 V external control circuit)
Fuel type Gas Oil
Plug type BS4343 230 V 16 A ,
BS4343 110 V 32 A



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