

Case study 231

Royal infirmary kept online thanks to Andrews Boilers

Two major construction companies came together to complete a major building project for one of the largest teaching hospitals in West Yorkshire.

The highly ranked Bradford Royal Infirmary had plans of building a state-of-the-art three storey critical care extension, incorporating paediatric and geriatric units. Andrews Boiler Hire division were called in to provide the hospital with some temporary units which would assist in the drying of the building's new screed flooring via the existing underfloor pipework.

Failure to provide effective heating would likely cause long-term implications for floor surface, particularly if moisture was trapped within the composite. This would result in an extremely expensive issue for the customer further down the line, but this could be avoided by using suitable heating equipment.

Our clients required a boiler hire solution that was small in size but had the capability of operating from a generated supply, while the contractors were waiting for the main services to be installed. Due to the close proximity of working wards they were also keen to keep noise and fumes to a minimum.

It was mutually decided following a site survey that the most suitable option would be a 22kW electric boiler, which is both compact and able to run from a temporary power source. The flexibility of the short-term boiler rental equipment also allowed the process to take place without the hospital's day to day operations being hampered.

This particular phase of the construction project lasted for almost four months, allowing the screed to benefit from the average 110-day drying time normally required for this type of assignment.



Nominal heating duty 22kW
Power supply 415 V 3ph 50Hz Run 31A
Plug type BS4343
Average power consumption 21.5 kW/h
Noise level 35 dBA @ 10 metres
Weight 50 kg
Dimensions (mm) 600 x 550 x 1100 mm
LPHW connections 25 mm / 1" stortz connector
Natural gas connections 1.25" BSP coupling
Control Automatic thermostat

