

Case study 235

Boiler hire keeps district heating system online

With the continual demand for housing throughout the UK, there is great pressure on local authorities and housing associations to ensure accommodation is available for occupation. This requirement has necessitated that newly-constructed properties in a London suburb were added onto an existing district heating circuit, which was already operating at close to full capacity even before recent schemes were completed.

It was discovered that a significant number of the existing 100kW heating modules were not functioning at full capacity, and this in turn had compromised the overall effectiveness of an ageing heating circuit. With additional heating and hot water provisions clearly needed, Andrews Boiler Hire were contacted by the area's energy supplier to alleviate the strain on the prevailing system. One of our regional experts carried out a site survey before recommending the deployment of a high capacity 1,500kW containerised boiler. Our boiler was connected to the existing flow and return hot water pipework which enabled the customer to decommission and repair the faulty units.

The 1,500kW boiler was the perfect selection as a large single unit was preferred by the client, rather than deploying several smaller models. Our boiler hire solution simplified various aspects of the project and eliminated the difficulty of finding various locations to situate individual boilers. The arrangement we proposed remained in place for two months while the faulty units were taken offline, serviced and then reconnected to the heating circuit.



Nominal heating duty - 1,500 kW 5,118,212 btu
Dimensions (L x W x H) - 6058 x 2438 x 2900 mm (without flue)
Weight - 8,900 kg
Noise level (max) - 47 dBA @ 10 metres
Power supply - 415 V 3 ph N+E 50 Hz Run 27 A
Plug type - BS4343 5 pin 32 amp
Control - Automatic thermostat
Average power consumption - 11.2kW/h
Fuel type - Gas Oil
Fuel consumption (max) - 172.5 l/h
LPHW connections (flow / return) - 100 mm DN100 PN16 flange



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