

Case study 103

Power station heating

A power station in Avonmouth, Bristol required a temporary heating solution during their four week shut down period. Heating was necessary so construction staff could complete essential maintenance work effectively. As staff carried out the work in difficult conditions, heaters were vital for when work was completed at night when the temperature had dropped. Power stations also hold delicate materials and equipment. If control panels freeze, condensation can cause the breakdown of important technology. Metal equipment can also be affected as once frost has formed it can cause the metal to rust.

In order to heat such a large space effectively, an Aurora FH 4000 indirect fired oil heater proved to be the ideal solution. This is one of the most fuel efficient containerised heaters available in the UK, with a co-efficient of efficiency of over 92%, it is extremely environmentally responsible. By being fuel efficient, fuel costs can easily be saved. This large capacity heater, capable of delivering 383kW, was located outside the power plant with heat delivered inside through high capacity insulated ducting. To ensure efficient and accurate space heating the ducting was fed into the building via a scaffold tower built along side the plant, enabling heat to be directed in through existing openings. A 3000 litre bunded bulk fuel tank completed the package which is fully ADR compliant.

The Aurora FH 4000 is ideally suited to industrial environments, is capable of delivering 24,000m³ of heated air per hour and is fully weather resistant due to its rugged stainless steel lockable canopy. The fuel-efficient Andrews Aurora heater range offers a range of capacities to suit all applications. Within Industrial environment's Andrews Heat for Hire range can be used to heat large spaces and ensure that materials, products and people are kept at the correct temperature.



Power supply 415 V 3 ph +E 50 Hz Run 20 A
Generator size 20 kVA
Noise level (max) 76.5 dBA @ 1 metre
Duct size 600 mm x 2
Weight 1300 kg
Fuel Consumption 38 ltrs/hr
Dimension 3,850 x 1,200 x 2,015 mm
Typical heated area 8,457 m²
Control Manual, External controls available
(24 V external control circuit)
Fuel type Gas Oil
Plug type BS4343 4 pin 3 ph 16 A
Flue 1 mtr x 250 mm



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