

Case study 104

Warehouse heating

A production company moved into an old manufacturing warehouse that has been unoccupied for many years. The company has installed film sets throughout the site to recreate castle dungeons and armoury rooms that will be used for filming, along with a staff canteen, a workshop and production areas. The company required heating in several of these production areas and had previously considered re-commissioning the old boiler system, but it had been redundant for years and could not be economically repaired.

After thoroughly evaluating the client's heating requirements, Andrews Sykes quoted for various heaters best suited to their specific needs. It was decided that an Aurora FH4000 would provide the main heat source in the building. This fuel efficient containerised oil-fired heater is extremely fuel-efficient and environmentally responsible. As a portable, stackable unit it has a range of ducting outlets for optimum on-site flexibility. In this instance the FH4000 was placed next to the main production area, with heated air ducted into the building via a spigot head. Four DE95 electric heaters were also provided, efficient fan heaters with 10kW, 15kW and 20kW settings. The DE95 heaters, which can be hard wired or supplied with a short cable tail and suitable plug were located at various points throughout the building.

When heat was ducted from the FH4000, the ducting was fixed at ceiling height with the use of a scissor lift. Ropes were used to carry the ducting to the specific workbench areas for the production crew. Routing the ducting across the ceiling allowed easy access for forklift trucks in the warehouse during scenery movements. The electric and oil-fired heaters remained on hire for a 24 week period and the customer was impressed with the high heat levels and how little the ducting interfered with the set.



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 m
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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