

Case study 105

Distribution centre heating

During the seven weeks running up to Christmas one of the largest supermarkets in the UK turned their huge chilled distribution centre in Hams Hall, Birmingham, into a storage area for numerous seasonal live plants, mostly Pointsiettas. When they called Andrews Heat for Hire to help convert their chilled distribution centre, we assisted immediately. The building was previously equipped to store food at -6°C , now these plants require storing at 7°C on a 24 hour basis. This might seem like a simple task as it's only a 13°C rise in temperature, but maintaining a 7° climate when considering the size of the area makes this a rather large project. A site engineer undertook a free, no obligation site survey of the area and advised on the location of the heaters, tanks and warm air ducts in spaces least intrusive but most effective.

Andrews Heat for Hire supplied the distribution centre with two powerful Aurora FH4000. Regarded as one of our top heaters with a high capacity, it's one of the most fuel efficient containerised oil-fired heaters in our fleet. It's 92% fuel efficient, which means it is extremely environmentally friendly. It is portable, stackable for storage and has a range of ducting outlets and adapter plates. This heater is completely automatic with a thermostat connection, making it very user-friendly.

The storage area was very well insulated and we managed to obtain 7°C and maintain the temperature easily. The heat was ducted into the centre via existing openings and power was provided by two robust 3000 litre fuel tanks. This is the third season that we have completed this task to the client's complete confidence and satisfaction. We acted efficiently and the project ran smoothly without any complications.



Power supply 415 V 3 ph +E 50 Hz Run 20 A
Nominal Heating 383 kW 1,306,796 btu
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 32 A
Flue 1 mtr x 250 mm



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