

# Case study 143

## Turkeys kept safe during Christmas build-up

The demand for turkeys soars considerably in the run-up to Christmas, with approximately 75% of families in the UK following tradition and eating white meat as part of their festive meals. Farms across the country are therefore expected to keep poultry birds safe and healthy before being distributed to retailers, with roosting conditions a major factor in achieving this. The biggest priority is to ensure turkeys are kept away from wet and draughty environments whilst providing sufficient ventilation to remove the presence of ammonia gas.

When a large farm in Worcester encountered difficulties with keeping their four barns warm, they contacted Andrews Heat for Hire in search of a solution to operate throughout December. A site survey was arranged and conducted by a regional expert who recommended that a high capacity indirect fired heater be deployed outside each target application. Warm air would then be ducted into the required areas while thermostats helped the client regulate temperatures during the project.

Four Aurora FH185 oil heaters were subsequently delivered to site within hours of the assessment being completed and were fully operational shortly after. Our client specified that temperatures were constantly kept between 18°C and 21°C to guarantee the continued wellbeing of thousands of turkeys. We specifically proposed the use of this particular product because of its 92% fuel efficiency – a vital characteristic given that the units were functional 24 hours a day.

The heater hire proved extremely effective and eliminated the rather unwanted prospect of stock being lost due to unfavourable storage conditions. Our customer was therefore very pleased with our service which played a pivotal role in ensuring local demand for turkeys was satisfied.



Nominal heating duty 200kW 658,516 btu  
Air flow (max) 15,000m<sup>3</sup>  
Typical heated area 4,204 m<sup>2</sup>  
Power supply 415 V 3 ph +E 50 Hz  
Plug type BS4343 4 pin 3 ph 32 A  
Generator size 27 kVA  
Noise level (max) 82 dBA @ 1 metre  
Weight 428 kg  
Dimension 2,710 x 910 x 1,520 mm  
Control Manual, External controls available  
Duct length (max) 40 metres  
Duct size 600 mm  
Fuel Consumption 18 ltrs/hr  
Fuel type Gas Oil  
Flue 1 metre



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