

Case study 188

Andrews Heat for Hire responds to aircraft maintenance service

Andrews Heat for Hire was contacted by a leading aircraft maintenance company seeking an emergency heating arrangement that could be delivered to their hangar and installed as quickly as possible.

The client suffered a complete breakdown of their own heating system, which was in the process of being completely overhauled. Dozens of employees work in the hangar on a day-to-day basis and help oversee various operations relating to the aviation industry, which is why the necessity of a quick response was impressed upon us at first contact.

With temperatures barely exceeding 5°C during the day and often even lower overnight, the customer was desperate to implement a replacement heating solution immediately to ensure those on site were safe and content within their working environment. The hangar was situated just a short distance from our Norwich depot which allowed our local engineers to visit promptly and devise a solution that was tailored to the client's requirements.

Once an initial assessment had been carried out by our engineers, we proposed the installation of two indirect fired Aurora FH185 heaters based on the size and structure of the hangar. As well as their significant heating capacities, these units were specifically chosen because of their incredible fuel efficiency – a critical feature given that our client intended for the units to be constantly operational.

Both heating units were deployed outside the target application, with each length of 600mm ducting split into two lengths of 450mm ducting to ensure large volumes of warm air could be more evenly circulated inside. Two 2,000 litre fuel tanks were also included within our heater hire package in order to guarantee that large spells of uninterrupted functionality would be possible without a recurring need to refuel.

The instant reaction from our regional engineers was extremely well-received by the customer given the urgent nature of the job, with the entire solution set up less than four hours after it was brought to our attention. The chosen course of action protected a client's workforce and enabled them to carry out their usual responsibilities without suffering any disruption whatsoever.



Nominal heating duty: 200 kW 658,516 btu
Air flow (max): 13,000 m³/h
Power supply: 415 V 3 ph +E 50 Hz Run 10.4 A
Noise level (max): 82 dBA @ 1 metre
Weight (kg): 428 kg
Plug type: BS4343 4 pin 3 ph 32 A
Duct length (max): 40 metres
Generator size: 27 kVA
Duct size: 600 mm
Fuel Consumption: 18 l/h
Typical heated area: 4,204 m²
Fuel type: Gas Oil
Tank capacity: Separate fuel buggy/tank required
Dimensions (L x W x H): 2,710 x 910 x 1,520 mm
Control: Manual (external controls available)
Flue size (min): 1 metre x 200 mm
Fuel tank: Remote fuel tank required



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