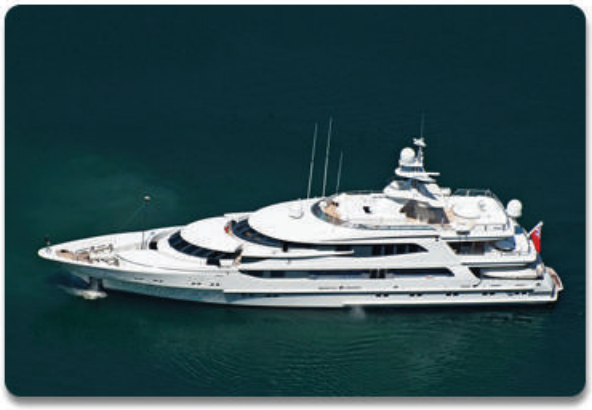
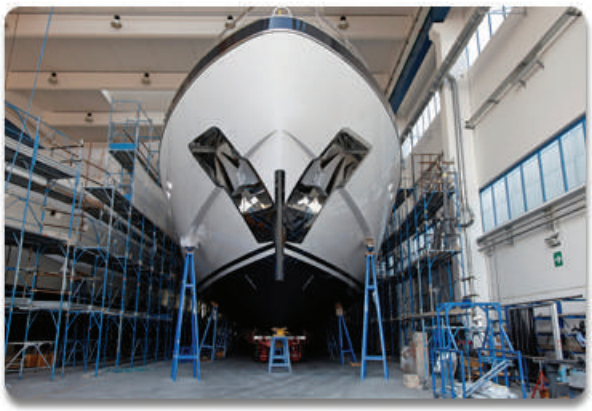
Case study 134

Andrews accelerate paint drying process

The world's yachting industry is worth billions of pounds a year irrespective of the economic climate, with demand for extravagant items always prevalent among the wealthiest people in society. New vessels are being constructed and purchased on a weekly basis, but it's towards the back end of the production line that we at Andrews Heat for Hire get involved. Once the skeletal design has been completed, yacht building companies must oversee a decorative phase including arguably the most important part – painting.



As luxury products, it is vitally important to customer that a yacht's exterior is pleasing on the eye – and that includes making sure it is coated properly. In order to accelerate this process, heaters are often deployed nearby to help dry paint more quickly than otherwise would be the case. So when one of our clients needed some high capacity equipment for a similar project, a local specialist was able to propose an applicable solution.



This particular assignment was expected to take around four months from start to finish, meaning that durable, robust heating units were absolutely essential. The DE190 was therefore selected because of the pressure and volume of air it produces, and two were delivered to the dry dock in which the yacht was located.

These were used to feed hot air into two KT6000 desiccant dyers – the output of which was then fed via ducting into a tent surrounding the yacht. A constant supply of dry, warm air is then passed through tent by using two FV900 ventilation fans to extract the air, ensuring drying times are minimised without affecting the way in which paint is applied.

Nominal heating duty 21/42kW
Air flow 4500m³/h
Typical heated area 1200m³/h
Power supply 415V
Plug type IP67 4 pin 63 amp
Noise level (max) 68.7 dBA @ 3m
Weight 120kg
Dimensions (mm) 1360 x 630 x 950
Maximum duct length 32 metres
Duct size (mm) 450
Average power consumption 43kW/h