

# Case study 724

## Andrews Ventilation assists with luxury yacht refit

When a £100million super yacht required a full refurbishment, Andrews Ventilation Hire was called in to offer our expert knowledge and specialist equipment to assist with the works.

The yacht in question was launched five years ago and has embarked on a number of cruises around the world before it was decided that something needed to be done to enhance the boat's longevity. As part of the refurbishment, everything had to be taken out – leaving just the shell of the vessel.

The client in charge of the refit needed a temporary ventilation system in order to accomplish up to 30 air changes per hour, due to welding and repair works along with paint fumes that needed to be extracted during the upgrade

In order to provide suitable equipment, our experts located eight FV300 high-powered ventilation fans in the area that the works were taking place. These were then used to suck in the surrounding air and push it outside of the boat, thus creating a negative pressure which led to fresh air entering the affected areas.

Once operational, our temporary extraction fans ensured the correct amount of air changes were carried out which ensured the application could be fitted without issue.



Air flow (max) 5,100m<sup>3</sup>/h  
Power supply 110V 1ph 50Hz Run 11.4A  
Plug type BS4343 16A 110V  
Generator size 5kVA min  
Transformer size 5kW min  
Duct length (max) 40 metres  
Duct size 300mm  
Noise level (max) 72 dBA @ 1m  
Weight 95kg  
Dimensions (mm) 631 x 822 x 1,054  
Control Manual  
Average power consumption 1.25kW/h



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