

Case study 719

Andrews provide ventilation hire solution for one of the country's top universities

When an award-winning construction company was in the final stages of completing works to a new 'mega shed' for one of the country's top universities, Andrews Ventilation was called in to ensure all contaminants were removed.

Once completed, the application in question will provide 65 miles of book storage, complete with 35,000 shelves – the highest which being more than 11 meters high; the height of two giraffes! The proposed building will be one of only five of its kind in the world.

Once the steel frame was erected and the cladding was installed, the next step for our client was concrete slab pouring. During this process, a substantial quantity of hazardous carbon monoxide fumes would be given off by the industrial machinery used, making it a potentially unsafe environment to work in unless a suitable solution could be found.

To ensure all those working on site were protected at all times, we supplied the university with a ventilation hire arrangement comprising of two high capacity FV1800 fans. This powerful solution negated the need to deploy a large number of smaller units which was ideal for the customer due limited space available on site.

By supplying our short-term extraction equipment, all construction works were completed on schedule. The temporary solution met the set criteria in providing constant recirculation where potentially harmful fumes were removed and replaced with fresh air.



Air flow (max) 38,000 m³/h
Power supply 415 V 3 ph 50 Hz Run 28 A
Plug type BS4343 3 ph 5 pin 15 V 63 A
Generator size 30 kVA
Duct size Inlet 600 mm Outlet 600 mm
Noise level 80 dBA @ 1 metre
Weight 1,110 kg
Dimensions (L x W x H) 2,208 x 2,090 x 2,005 mm
Control Manual
Average power consumption 11.6 kW/h



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