

High efficiency ventilation solutions for Esso House in London



Fläkt Woods won a turnkey contract to supply the ventilation solutions for a prestigious London redevelopment, Esso House. Fläkt Woods supplied the complete package, which included the jet control systems for CO₂, installation, and electrical wiring.

■ FACTS

Customer:

Esso House in London,
United Kingdom.

Need:

Complete high efficiency ventilation
solutions for car parks.

Solution:

Fläkt Woods Axijet Jet Thrust Fans
and Jet Control System.



High efficiency Jet Thrust Fans for performance and safety

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In total 50 of the Company's 1600mm Axijet Jet Thrust Fans were installed for the car park areas, located on the basement and mezzanine levels, to provide a common extract system.

The fans are capable of producing a thrust range of up to 3500 N 50Hz, and designed for emergency operation of 250°C for 2 hours.

CFD analysis

Fläkt Woods also created a complete CFD analysis of the car park to calculate the requirements of the ventilations system. The company also delivered 60 JM Aerofoil fans for the project.

Exclusive buildings

Located within the Stag Place Estate in Victoria, this design & build contract provided two buildings, the first of which forms an almost exclusively glazed dramatic curving structure rising to 10 storeys.

The second building is a 6-storey office block with adjoining retail space topped by a roof garden.

Axijet information

- 710mm up to 3600 rpm; 1000mm up to 1750 rpm and 1600mm up to 1100 rpm
- Fully adjustable die cast aluminium impellers in unidirectional and fully reversible configurations; X-ray inspection
- Mild steel casing - hot dipped galvanised after manufacture, painted or all stainless steel construction
- Integral silencers fitted where required
- Motor protection IP55
- High thrust performance
- Emergency ventilation options

Jetfoils

The Fläkt Woods Jetfoil is available either as a high efficiency unidirectional, or as a truly reversible Jetfoil which will give approximately equal airflow and thrust in each direction.

Fläkt Woods Group

Fläkt Woods is a global company providing solutions for ventilation and air treatment for buildings as well as fan solutions for Industry and Infrastructure applications.

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The logo for Fläkt Woods, featuring the company name in a bold, green, sans-serif font. A stylized green swoosh or leaf-like shape is positioned behind the 't' in 'Fläkt' and extends under the 'Woods'.