

**Catering Equipment
Kitchen Equipment
Air conditioning**

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Dear Sir, Madam

The canopy system will be extract only natural ventilation will be fitted to the side of the premises

The canopy is 4500mm x1200mm x500mm and is constructed out of stainless steel with 7 baffle type grease filters, these filters offer a Pascal resistance of 125. The canopy needs to extract 2.1m³/s. to achieve this we would recommend Flake Woods Compact Max Fan Model EJ463266, this fan is capable of extracting 2.04 m³/s through a Pascal resistance of 100 and would achieve a face velocity of approx .5.

The fan produces a dBA level of 43 when monitored at 3 meter, DEFRA recommend 52 dBA. To achieve a more acceptable level we fitted two attenuators (Silencer), one before and one after the fan motor.

The attenuators we use are 1DENP before and 2DENP after the fan, this would reduce the dBA level by 10. To the canopy side and 23dBA to extraction side thus producing 32dBA when mounted at 3 meters from the fan.

The duct size is 450 mm, it runs along the first floor and would pass through the back wall and up the rear of the BUILDING APPROX 1.2M above the roof. Terminated via a jet type cowl offering no resistance thus reducing the dBA levels at termination. Also the extractor fan will be connected to the gas interlock system. For outdoor odour control we use 2x carbon filters

The extraction flue and all fastenings on the exterior of the premises will be constructed from galvanized rust proof.

Hope this meets with your requirements

Yours Sincerely

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