

KITCHEN VENTILATION SPECIFICATION

Canopies and fans.

New canopy 1 – $2095 \times 1070 = 1.99 \text{ m}^2$ face opening.

New canopy 2 – $1683 \times 1000 = 1.47 \text{ m}^2$ face opening.

Based on a face velocity across the canopy of 0.5 m/sec an air volumes required as follows:

Canopy 1 = 0.99 m³/sec

Canopy 2 – 0.73 m³/sec

To achieve the above design criteria for each system we are proposing to incorporate fans as manufactured by Woods Model No: 450 JM. The fans shall be complete with speed controllers to achieve the design criteria and suit client's cooking requirements.

The proposed new canopies will be manufactured from dull polished stainless steel and will be complete with full length grease filter housing containing baffled type filters and grease collection pots.

Ductwork

All ductwork shall be manufactured and installed from galvanised sheet steel in accordance with Ductwork Specification DW172.

Attenuation

Inlet and outlet attenuators are to be provided to keep internal and external noise levels to a minimum. Final sizing for the outlet attenuators is to be determined once noise tests have been carried out on site

Filtration

ESP 3000 AW units to be incorporated along with UV0500 units on each system.

ESP 3000 AW auto wash control unit can be considered by Client as an alternative. One unit would serve both ESP units.