

# **FBAASA Chicken, Manchester**

## **Kitchen Ventilation Specification**

The proposed kitchen ventilation system is designed generally following the guidance in Approved document F, HSE catering information sheet 10, HSE catering information sheet 11, CIBSE Guide B;2005, Section 2.3.6 and DW/172 Specification for kitchen ventilation systems. The system contains following items:

### **Canopy**

Ventilation Wall Type Canopy: 3225mm Long x 1300mm Wide x 600mm Deep, manufactured in stainless steel. Full length grease extraction plenum with removable baffle type grease filters, condense channel to perimeter with welded and polished corners. Air input plenums to opposing side of canopy with front facing perforated panel grilles, to comply with BESA DW172 specification. Extract and Input connection spigots, to comply with BESA DW172 specification. 5# LED Recessed Spot Light Fittings: Steam, heat and grease proof, approximately 500 lux at the working surfaces, prewired with 2m tail for continuation and testing by others.

### **Condense Canopy**

Condense Canopy: 1000mm Long x 1000mm Wide x 600mm Deep, manufactured in stainless steel c/w condense channel to perimeter with welded and polished corners.

### **Cladding**

Wall Cladding: 3225mm x 2000mm Stainless steel wall cladding within confines of canopy, with hidden fixings, jointing and edging sections.

### **Ductwork & Fans**

Extract: 30# Metres Galvanised MS Ductwork, (Not Fire Rated) to comply with BESA DW144 and TR19 specifications, wall louvre termination subject to site conditions.

Supply: 15# Metres Galvanised MS Ductwork, (Not Fire Rated) to comply with BESA DW144 and TR19 specifications, G4 air filtration and wall louvre termination subject to site conditions.

Extract fan: MUB/T-S 062 560D4 IE2: 560 Dia (800x800x800 Box) Backwards Curved Centrifugal Fan: 400 Volts, 3 Phase, Motor = 2.99 Kw, SC = 32.4 Amps, FLC = 5.07 Amps, Noise Level at 3m = 57dBa. c/w Variable speed controller

Supply fan: AW500/4/1: Plate Mounted 500 Dia Axial Fan: 240 Volts, 1 Phase, Motor = 0.73 Kw, SC = 13.2 Amps, FLC = 3.20 Amps, Noise Level at 3m = 51dBa. c/w Variable speed controller

### **Noise Attenuation**

Extract Sound Attenuation: Standard Insulated ductwork section without pods, Melinex Lined to prevent grease ingress to the insulation. Approximate noise reduction 10 dBA. NOTE! The above is our standard attenuation, if specific noise levels are to be achieved an acoustic specialist will be required to advise the NR level and specify silencers to suit.

Input Sound Attenuation: Standard Insulated ductwork section without pods. Approximate noise reduction 10 dBA. NOTE! The above is our standard attenuation, if specific noise levels are to be achieved an acoustic specialist will be required to advise the NR level and specify silencers to suit.

### **Odour Control**

External ozone injection unit, odour control system, requiring a 6amp electrical connection, by others, linked via the extract fan controller.

Should there be any other specific items required that are not included in this specification then Airedale Ventilation Systems would need to be advised in order to add any additional items into the system. We now seek approval of the drawing and design.

