



Air Handling Units Sensaire

Quality Standards

VES are members of the British Standards Institution, operating a quality management system in accordance with BS EN ISO 9001, certificate no Q5375. All units tested to BS 848 Part 1.

Case

Double skinned construction throughout, from galvanised sheet steel with mineral fibre slab infill. Mez flanges fitted to end spigots. Suitable for top or bottom access, requirement to be advised at time of order. Access panels are hinged and have quick release quarter turn fasteners. The mounting brackets are suitable for fixing down to a base or hanging with drop rods. The units can be powder coat paint finished externally if required in Signal grey to RAL7004.

Fans

Vibration isolated backward curved single inlet impellor with external rotor motor. All units available with 230 volt 1 phase or 400 volt 3 phase motors, except Unit 1 which is only available 1 phase. DC motors are also available. The motors are IP54 rated, class F insulation, and have high temperature thermal cutout protection wired into control system.

Controls

The fitted controls are fully prewired to the internal electrical components, the remote controller is wired on site by others. Separate controls are also available, refer to the Powerstation controls leaflet for options available.

Fan Speed Control

The 3 phase fans can be speed controlled using an inverter with a remote pot controller, or trickle vent mode from control panel signal. The 1 phase fans can all be speed controlled using a matching transformer speed controller. Note that transformer speed control provides the best reduction in noise when compared with any other type of speed controller used on AC fans. They also provide proportional energy saving as the fan speed is reduced. When the AQ air quality sensor is used for demand ventilation, this will drive an MS 10 single phase fan speed controller, and an inverter for three phase fans.

Dampers

Inlet and mixing box dampers have aerofoil section blades with rubber edge seals, and can be supplied with 230 volt or 24 volt actuators if required, or suitable for hand operation.

Filters

The standard G4 panel filter is pleated synthetic type. The high efficiency filters are close pleated glassfibre sealed into a frame.

Download specification from www.ves.co.uk/information-centre