



Roof Units

Dome

1.1 General

A. Provide a Roof mounted extract fan unit to meet the performance and configuration as indicated in the schedule and detail drawings. The unit shall be tested to BS848 and shall be of the Dome high performance fan type as manufactured by VES Andover Ltd a company accredited with BS EN ISO 9001:2008.

1.2 Unit construction

A. The cowl and base shall be manufactured using GRP and shall conform to BS3532 (Type C) but if specified can be supplied to BS3532 (Type E) having class II fire retardant characteristics in accordance with BS 476 part 7.

B. The roof unit fan shall be supplied with a 4 sided fan guard manufactured from galvanised steel and powder coated to match GRP.

C. The unit colour will be in accordance with specification.

D. The weatherproof unit is fitted with motor weather guard to prevent water ingress as manufactured by VES Andover Ltd.

E. The Base shall have an integral moulded raised inlet eye for the fan.

F. The unit shall be supplied with four lifting lugs for safe handling and shall conform to equipment safety standard BS EN60950-1:2006. The lifting lugs shall be removable to enable removal once unit is in situ.

1.3 Impeller and Motor

A. The impeller and motor shall be selected to provide a low energy solution and conform to building regulations part L.

B. The impeller shall be a high efficiency centrifugal backward curved design and shall be of a Glass fibre reinforced plastic construction.

C. The impeller shall be balanced in accordance with UNI ISO 1940.

D. The motor shall have a die cast enclosure in aluminium alloy and shall be external rotor type with ball bearings.

E. The motor shall be insulated to thermal class 155 (Previously insulation class F).

F. The motor shall have a protective finish.

G. The motor shall be fitted with Plug connection for ease of maintenance and shall be connected to a local isolator as standard.

1.4 Ancillaries

A. The Roof extract unit and ancillaries shall be of the Dome type as manufactured by VES Andover Ltd.

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