

Dome Roof Extract

Product Specification

Dome Roof Extract

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 BS EN ISO 5801:2008 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 BS 3532:1990 (Type C) but if specified can be supplied to BS 3532:1990 (Type E) having class II fire retardant characteristics in accordance with BS 476-7:1997.
- B. The roof unit fan shall be supplied with a 4-sided fan guard. Fan guards shall comply with safety guidelines established in BS EN ISO12499:2008.
- C. The supplied fan guards shall be manufactured from galvanized sheet steel to BS EN 10143:2006 and powder coated to match GRP.
- D. The unit colour will be in accordance with specification.
- E. The weatherproof unit is fitted with motor weather guard to prevent water ingress as manufactured by VES Andover Ltd.
- F. The Base shall have an integrated raised inlet eye for the fan.
- G. The unit shall be supplied with four lifting lugs for safe handling and shall conform to safety standard BS EN 60950-1:2006. 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 as well as being compliant with the ErP directives. This shall apply to both units of the EC and AC ranges.
- B. The impeller shall be a high efficiency centrifugal backward curved design and shall be of a Glass fiber reinforced plastic construction.
- C. The impeller shall be balanced in accordance with UNI ISO 1940-1:2003.
- 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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