

Plate Axial Fans

Product Specification

Plate Axial Fans

1.1. General

A. Provide a Plate Axial fan 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 Plate Axial fan type as supplied by VES Andover Ltd, a company accredited with BS EN ISO 9001:2008.

1.2. Unit Construction

- A. The fan shall be provided pre-assembled, comprising high performance composite material or aluminium bladed impeller, external rotor motor, steel wire guard and steel mounting plate.
- B. The fan shall be supplied on a pre-drilled mounting plate.
- C. The plate and guard shall be supplied finished black to RAL9005.

1.3. Fan Impeller

- A. The fan shall be provided pre-assembled comprising high performance composite material or aluminium bladed impeller, balanced in class G 6.3 according to DIN ISO 1940.
- B. The fan shall be mated with an aerodynamic steel bell mouth mounting plate.

1.4. Motor

A. The fan is provided with an external rotor motor to insulation class F, IP44 and IP54 environmental protection rating and comes complete with thermal protection as standard. Motors are pre-wired to a die cast aluminium terminal box for AC models and terminated at the fan on EC models.

1.5. Operating Environment

A. The fan is designed to operate in ambient temperatures from -25 °C to at least +55 °C, depending on the model. The fan is designed to run continuously up to 100% relative humidity .

1.6. Controls

A. The fan shall be compatible with speed control systems and shall be suitable for use with electronic and transformer speed controllers for single-phase units and fully electronic three-phase speed controllers.

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