



Long Case Axial Fans Axial Fans/Plate Fans

1.1. General

- A. Provide a circular duct mounted long case axial 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 long case 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 a galvanized steel circular duct, die cast aluminium alloy hub impeller with glass reinforced plastic blades, internal rotor motor and externally mounted terminal box.
- B. Access panel shall be provided for the purpose of maintenance.
- C. The duct shall be sized as indicated in the schedule & detail drawings.
- D. The duct shall have pre-drilled flanges as indicated in the detail drawings.
- E. The fan shall be suitable for internal or external operation at any installed angle.
- F. The fan shall be suitable for mounting via optional mounting kit as supplied by VES Andover Ltd.

1.3. Fan Impeller

- A. The fan shall be constructed with die cast aluminium alloy hub with glass reinforced plastic blades.

1.4 Motor

- A. The fan is provided with an internal rotor motor to insulation class F, IP55 environmental protection rating.
- B. The motor shall be pre-wired to an externally mounted plastic terminal box.

1.5 Operating Environment

- A. The unit is designed to operate in ambient temperatures from -20°C up to 50°C, and can run continuously at up to 100% humidity level.

1.6 Controls

- A. The unit 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.