



Stab-in Electric Heater Heatline

1.1 General

A. Provide a stab-in electric heater unit to meet the performance and configuration as indicated in the schedule and detail drawings. The stab-in electric heater unit shall be of the Heatline type as manufactured by VES Andover Ltd a company covered by BS EN ISO 9001:2008.

1.2 Unit Construction

- A. The unit shall be provided pre-assembled comprising of a rigidly constructed single skinned galvanised sheet steel terminal box, electric element heater battery, and integrated control system.
- B. Access for maintenance shall be via a removable controls package & heater element assembly.
- C. The unit terminal box shall be provided naturally finished in high quality galvanised steel.
- D. The unit shall be designed for duct installation.

1.3. Heater Battery

- A. The unit shall be fitted with electric element heating as indicated in the schedule and detail drawings.
- B. The electric heater battery shall be suitable for single or three-phase supply with thyristor control as indicated in the schedule and detail drawings.
- C. The electric heater battery shall consist of a number of elements sized to suit the supply phases as indicated in the schedule and detail drawings. The elements shall consist of a tubular incoloy shroud containing compressed magnesium oxide powder packed around a Nickel Chromium resistance wire. The elements shall be evenly spread across the open area of the duct.
- D. Where multiple elements are required to achieve the phase as indicated in the schedule, elements shall be linked by copper bus bar or terminated with electrical connectors.
- E. The electric heater battery shall be fitted as standard with a 130 °C non-adjustable thermal safety cutout, with manual reset.
- F. All electric heaters shall be 1500V flash tested, and resistance tested for correct component assembly. Test certificates shall be available on request.

1.4. Controls

- A. The unit shall be supplied with a fitted controls package as standard.
- B. The controls package shall include as standard volt-free fan run & trip indication, 1 or 3 phase thyristor heat control, and fan control up to 4A 230V @ 50Hz.
- C. The controls package shall include as standard a lockable door isolator.
- D. The controls package shall include as standard an independent safety circuit, including thermal and airflow pressure safety cut out switches.
- E. The controls package shall be available with an optional LCD room control unit or inputs responding to 0-10Vdc control signal from remote source to control temperature.



F. The room control unit shall include as standard a built-in room sensor, temperature adjustment, on/off/auto control, time clock setup & fan run-on timer adjustment, fault display, commissioning & control parameters and a tamper proof case design with PIN code access.

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