



Duct Mounted LPHW Heater Heatline

1.1 General

A. Provide a duct mounted LPHW heater unit to meet the performance and configuration as indicated in the schedule and detail drawings. The duct mounted LPHW 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 case, LPHW coil, and integrated control system.
- B. The unit shall have square or circular duct spigots as indicated in the schedule and detail drawings.
- C. Square spigots shall be fitted with 30mm mez flanges as indicated in the schedule and detail drawings.
- D. Circular spigots shall be fitted with rubber gasket seals as indicated in the schedule and detail drawings.
- E. The unit casework shall incorporate high quality leak resistant neoprene gaskets on service doors and panels.
- F. Access for maintenance shall be via a removable controls package & coil assembly.
- G. Plantroom unit casework & spigots shall be provided naturally finished in high quality galvanised steel.
- H. Weatherproof units shall be supplied powdercoated signal gray RAL7004 as standard. Alternative colour according to schedule.
- I. The unit shall be designed for duct mounting.

1.3. Heater Battery

- A. The unit shall be fitted with a LPHW coil heater as indicated in the schedule and detail drawings.
- B. The hot water heater battery shall be of copper tube and aluminium fins, with galvanised sheet steel casework. The flow & return pipe connections shall be handed as indicated in the schedule and detail drawings.
- C. The hot water heater battery shall be available with alternative fin coatings by special order, as indicated in the schedule.
- D. The hot water heater battery shall be fitted with a pre-wired valve and actuator.
- E. Hot water heater battery shall be fitted with a pre-wired freeze protection capillary thermostat laced over the coil air off face.

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, valve and actuator 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 an airflow pressure safety cut out switch.

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.

Download specification from www.ves.co.uk/information-centre