

## Product Specification

### Round Fans

#### 1.1. General

- A. Provide an in-line duct mounted fan for installation with circular ductwork. Fan to meet the performance and configuration as indicated in the schedule and detail drawings. The in-line duct mounted fan shall be of the round type as supplied by VES Andover Ltd a company accredited with BS EN ISO 9001:2008.

#### 1.2. Unit Construction

- A. 1. The RM fan shall be provided as a pre-assembled unit comprising an aerodynamically formed galvanized sheet steel case, metal centrifugal fan impeller and hub mounted direct drive motor.
- A. 2. The RS fan shall be provided as a pre-assembled unit comprising an aerodynamically formed plastic case, plastic centrifugal fan impeller and hub mounted direct drive motor.
- B. The case shall be designed to suit metric circular duct as indicated in the schedule and detail drawings.
- C. The fan shall be suitable for horizontal or vertical duct mounting.
- D. The fan shall be supplied with a support bracket as standard.

#### 1.3. Fan Impeller

- A. The fan shall be fitted with a metal backward curved blade axial fan impeller finished to match the fan case.

#### 1.4. Motor

- A. The fan shall be provided with a 230 VAC single phase AC or EC motor, insulated to class F with IP44 environmental protection rating.
- B. The motor shall be ball bearing mounted as standard.

#### 1.5. Operating Environment

- A. The fan shall be designed to operate in ambient temperatures up to 60 °C for EC and 40 °C for AC.

#### 1.6. Controls

- A. The motor shall be pre-wired to a fitted terminal box.
- B. The terminal box shall be supplied with a capacitor, where applicable, to suit the motor size as indicated in the schedule and detail drawings.
- C. The AC fan shall be fully compatible with the optional VS2/VS2E fan speed controller as supplied by VES Andover Ltd.

#### 1.7 Ancillaries

- A. The fan shall be fully compatible with a standard range of optional circular duct-mounted silencers.
- B. The fan shall be fully compatible with a standard range of optional duct mounted filter boxes.  
The filter box shall be provided as a pre-assembled unit comprising a single skinned galvanised sheet steelcase, G3 panel filter and circular spigots.
- C. The fan shall be fully compatible with a selection from the EHC circular duct mounted electric heater battery range as supplied by VES Andover Ltd.
- D. The fan shall be fully compatible with the optional wire screen guard.

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