



## Duct Mounted Fans RM Round Fan

### 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 RM 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 as a pre-assembled unit comprising an aerodynamically formed galvanized sheet steel case, metal centrifugal fan impeller & 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 finished black as standard.

D. The fan shall be suitable for horizontal or vertical duct mounting.

E. 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 230V single phase AC motor insulated to class F with IP44 environmental protection rating.

B. The motor shall be ball bearing mounted as standard.

C. The motor shall be supplied epoxy coated black.

### 1.5 Operating Environment

A. The fan shall be designed to operate in ambient temperatures up to 35°C.

### 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 to suit the motor size as indicated in the schedule and detail drawings.

C. The fan shall be fully compatible with the optional VS2/VS2E fan speed controller as supplied by VES Andover Ltd.

D. The fan shall be fully compatible with the optional CPE control panels as supplied by VES Andover Ltd. The CPE 1 panel shall support single step heating up to 3kW. The CPE4 panel shall support up to four steps and up to 6kW of heating. It shall be supplied with a remote duct/room sensor & 10m of cable as standard.



## 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 steel case, G3 panel filter & 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 as supplied by VES Andover Ltd. The wire guard shall be suitable for unit spigot or duct mounting.

Download specification from [www.ves.co.uk/information-centre](http://www.ves.co.uk/information-centre)