



Duct Mounted Fans RS 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 RS 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 plastic case, plastic 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 natural light blue as standard.

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

E. The fan shall be suitable for mounting via optional RSFT support brackets as supplied by VES Andover Ltd.

1.3. Fan Impeller

A. The fan shall be fitted with a backward curved plastic blade axial fan impeller finished in natural black, incorporating galvanised sheet steel back plate.

B. The impeller shall be statically & dynamically balanced to G2.5.

1.4. Motor

A. The fan shall be provided with a 230V single phase AC double insulated motor insulated to class F with IP44 environmental protection rating.

B. The motor shall be fitted with an automatic thermal cut out 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 40°C, and run continuously at up to 95% humidity level.

B. The fan shall be suitable for operation in saline or swimming pool environments.

1.6 Controls

A. The motor shall be pre-wired to an integral terminal box.

B. The fan shall be supplied with a pre-wired 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 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 optional wire screen guards 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