



Extract Fans T-Line 90

1.1 General

A. Provide a ventilation fan unit to meet the performance and configuration as indicated in the schedule and detail drawings. The unit shall be tested to BS848 and shall be of the T Line 90 high performance fan type as manufactured by VES Andover Ltd a company accredited with BS EN ISO 9001:2008.

1.2 Unit construction

A. The casework shall be rigidly constructed from heavy gauge galvanised steel and use a high quality non-leakage gasket on the access doors.

B. Access doors shall be provided for the purpose of maintenance. Suitable access shall be provided adjacent to the unit for maintenance.

C. Weatherproof units shall be supplied with a powder coat finish. Colour to be in accordance with specification.

D. Weatherproof units shall be fitted with motor weather guard to prevent water ingress as manufactured by VES Andover Ltd.

E. The unit shall be supplied be supplied with Lifting eyes for safe handling. Lifting eyes will be manufactured in accordance with DIN 580 and conform to equipment safety standard BS EN60950-1:2006.

F. The ventilation unit shall be supplied with connections to directly fit to a 30mm ductwork system.

1.3 Impeller and Motor

A. The impeller and motor shall be selected to provide a low energy solution and conform to building regulations part L.

B. The impeller shall be a high efficiency centrifugal backward curved design and shall be of a fully welded steel construction.

C. The impeller shall be balanced to DIN ISO 14694.

D. The motor shall be fitted external to the airflow with the options of either IE1 high efficiency or IE2 improved high efficiency class F, IP55 motors in accordance to schedule.

E. The motor shall be manufactured to IEC60034.

F. The ventilation fan unit is suitable for continuous running at 90°C.

G. The motor shall be fitted with Plug connection for ease of maintenance and shall be connected to a local isolator as standard.

1.4 Ancillaries

A. The ventilation unit and ancillaries shall be of the T Line 90 type as manufactured by VES Andover Ltd.

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