



High Temperature Extract Fan T-Line 120

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 120 high performance fan type as manufactured by VES Andover Ltd a company covered by 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 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 120 °C.

G. The motor shall be fitted with Plug connection for ease of maintenance.

1.4 Ancillaries

A. The ventilation unit and ancillaries shall be of the T Line 120 type as manufactured by VES Andover Ltd.



1.4 Controls

- A. The unit shall be supplied as standard pre-wired to an external isolator.
- B. BlueSense controls combine pre-wired factory fitted and tested differential pressure and air volume control module, energy efficient advanced application speed controller and temperature, humidity or air quality sensor; providing effective and efficient control of the ventilation system as supplied by VES.
- C. If the differential pressure and air volume control module is indicated within the schedule the unit shall be supplied with the module factory fitted and tested.
- D. If speed control is indicated in the schedule the unit shall be supplied with a loose speed controller for remote mounting.
- E. The unit shall be fully compatible with a standard range of sensor options to effectively operate the ventilation system as supplied by VES. The sensors shall be fully compatible with the V65 speed controller. Sensor options include; High Temperature Duct Sensor, Room/Duct Humidity Sensor, Room/Duct Air Quality Sensor.

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