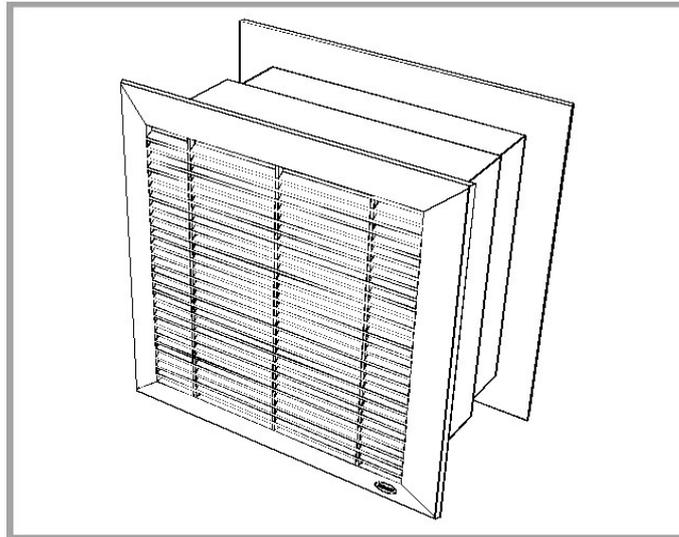


Super T

Powerful Heavy Duty Wall Fans



Stock Ref. N°

Gravity Shutter Versions.

16 55 10A 16 65 10A
16 75 10A 16 85 10A

Electric Shutter Versions.

16 57 10A 16 67 10A
16 77 10A 16 87 10A

Grease Filter Versions.

16 56 20A 16 66 20A

220-240V/1/50Hz

Vent-Axia®

READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS
READ & SAVE THESE INSTRUCTIONS

Installation and Wiring Instructions for the Super T Wall Fans.



IMPORTANT:
READ THESE INSTRUCTIONS BEFORE COMMENCING THE INSTALLATION

DO NOT install this product in areas where the following may be present or occur:

- Excessive oil or a grease-laden atmosphere.
- Corrosive or flammable gases, liquids or vapours.
- Ambient air temperatures of less than -5°C or higher than 70°C .
- Possible obstructions which would hinder the access or removal of the Fan.

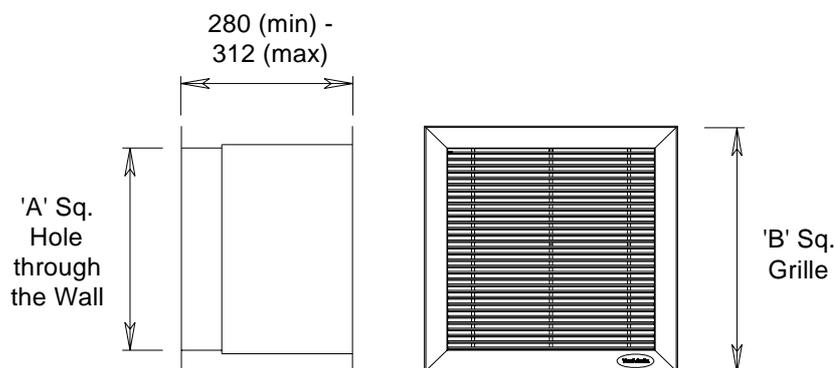
SAFETY AND GUIDANCE NOTES

- A. All wiring to be in accordance with the current I.E.E. Regulations, or the appropriate standards of your country and **MUST** be installed by a suitably qualified person.
- B. The Fan should be provided with a local double pole isolator switch having a contact separation of at least 3mm.
- C. Ensure that the mains supply (Voltage, Frequency, and Phase) complies with the rating label.
- D. The Fan should only be used in conjunction with the appropriate Vent-Axia products.
- E. It is recommended that the connection to the terminal box is made with flexible cable/conduit.
- F. When the Fan is used to remove air from a room containing a fuel-burning appliance, ensure that the air replacement is adequate for both the fan and the fuel-burning appliance.
- G. If the Fan is used to supply air into a room, the installer must ensure that the fan intake is located a minimum of 600mm from any flue outlet.
- H. If your Super T Wall Fan is to be mounted at a height of less than 2.5m from the floor level and is accessible, protective Discharge / Intake grilles **MUST BE FITTED** to the fan unit.
- I. Super T wall fans are designed as a 'through the wall' unit and should always be installed with the internal / external grilles and louvres / meshes provided.
- J. This Fan should not be used where it is liable to be subject to direct water spray from hoses etc.
- K. Certain applications may require the installation of sound attenuation material to achieve the sound levels required and an Auto Transformer speed controller is also recommended.
- L. Due to the weight of the Unit it is recommended that two persons are involved in the installation
- M. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- N. Children should be supervised to ensure that they do not play with the appliance.

1 TYPICAL INSTALLATION OF SUPER T FANS

- a) Form / Cut the correct size hole in the wall (Fig. 1.) where the fan unit is to be installed. VENT-AXIA recommends the use of the correct size of Lintel(s) above the Super T Wall Unit.

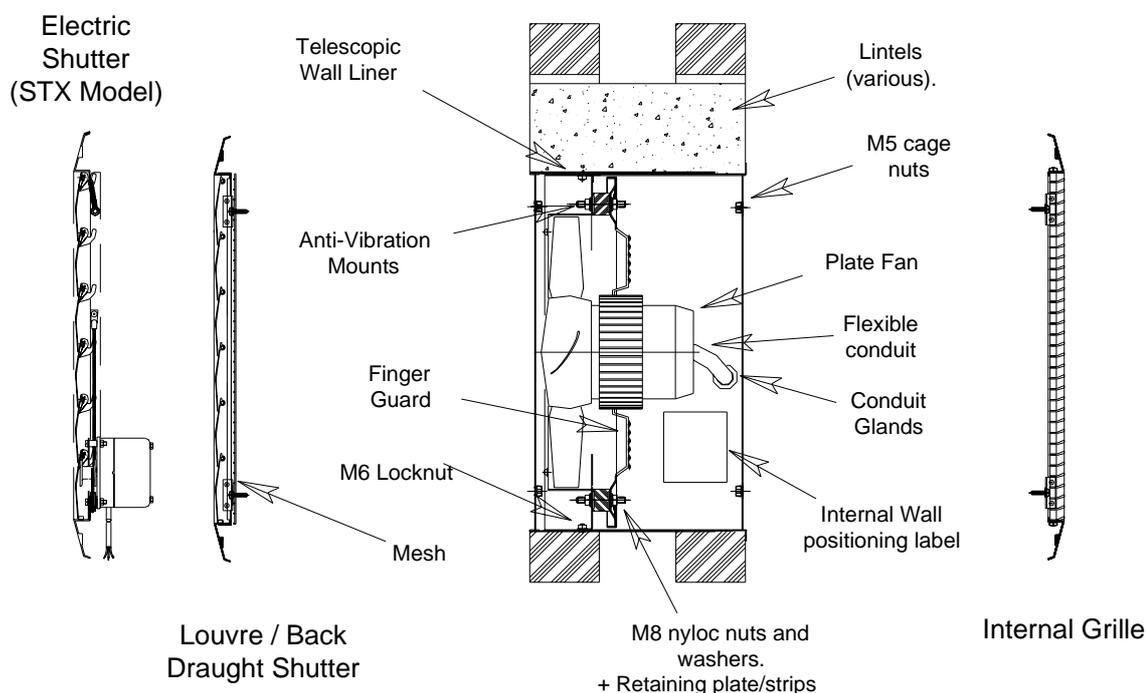
Fig 1.



Unit Size	Weight (Approx)	
	A	B
355	470	550
400	520	597
450	580	657
500	650	727

- b) Remove the Plate Fan from the telescopic liner by removing the four Nyloc M8 nuts & retaining plate/strips, leaving the anti-vibration mounts fastened to the bracing bars (Note the position of internal wall label when fitting the liner).
- c) Ensure that suitable wiring arrangements have been made to the fan – the wiring is recommended to come into the fan wall liner from either side as indicated in Fig. 2.

Fig 2.



- d) Remove the sidewall knockout to suit the installation, fit conduit adapter (supplied) through hole and secure with nut on external side of liner.
- e) Place the wall liner into the hole, feed the cable or flex through to inside of liner and extend the liner to correct wall depth and cement both ends into position flush with the wall surfaces.
- f) The wall sleeves should be angled downwards to the outside and secured into the wall by the screws.
- g) Tighten the M6 locking nuts at the top and base of the unit.
- h) Ensure that the four M5 Cage Nuts in the front and rear of the unit that locate the grille and louvre fixings (see Fig. 2) are free from debris and remain clear.
- i) Fit the Plate Fan into the Wall Liner (ensuring the terminal box outlet is positioned in the correct orientation) and fix into position using the retaining plate/strips, M8 nyloc nuts and washers.
- j) Fit the other conduit adapter to the appropriate hole in the Fan terminal box. Fix the length of flexible conduit to the conduit adapter in the metal liner.
- k) Feed cable or flex through conduit adapter nut and flexible conduit. Remove nut from conduit adapter in terminal box and place over conduit feed cable or flex. Feed cable or flex into terminal box. Connect flexible conduit into terminal box adapter and tighten nut.
- l) Select and follow the appropriate wiring diagram in **Section 2 Wiring**.
- m) Fix the Internal Grille onto the liner using a screwdriver (ensuring the Grille blades are pointing upwards).
- n) Loosely tighten all four screws, move grille until horizontal, then fully tighten.
- o) Ensure that the Fan blade rotates freely.
- p) Fix the External Louvre / Back draught Shutter onto the liner (follow the same procedure for the Internal grille).
- q) Switch the mains power supply on and check that the Fan is operating correctly.

STX (Electric Shutter) Model Notes.

- A. The Electric Shutter must be provided with an unregulated (230V) supply.
- B. The W102 03 102M 2.5A Electronic speed controller has a shutter terminal (L3). Refer to the Controller Installation and Wiring Instructions.

2 WIRING



WARNING: THE FAN AND ANCILLARY CONTROL EQUIPMENT MUST BE ISOLATED FROM THE POWER SUPPLY DURING THE INSTALLATION / OR MAINTENANCE. THE EQUIPMENT MUST BE EARTHED.

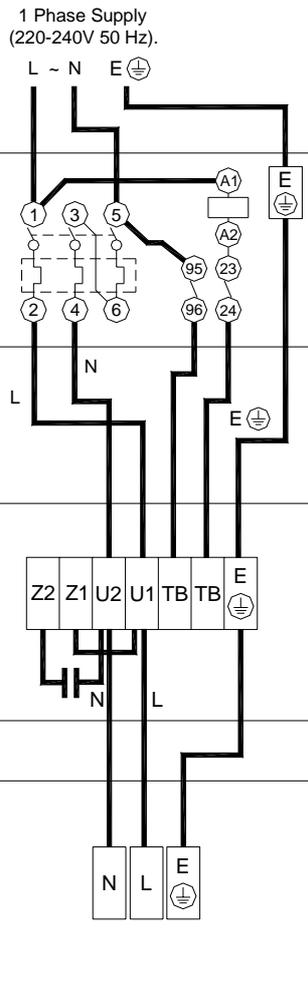
Note: The thermal protection device fitted is of an automatic resetting type and is rated at 5A. It is recommended that this protection device is always included in the circuit. If manual resetting is required, an ancillary circuit will be required with the TP switch connected into the circuit. Ensure that the earth/ground connection has been made inside the terminal box.

WIRING DIAGRAMS

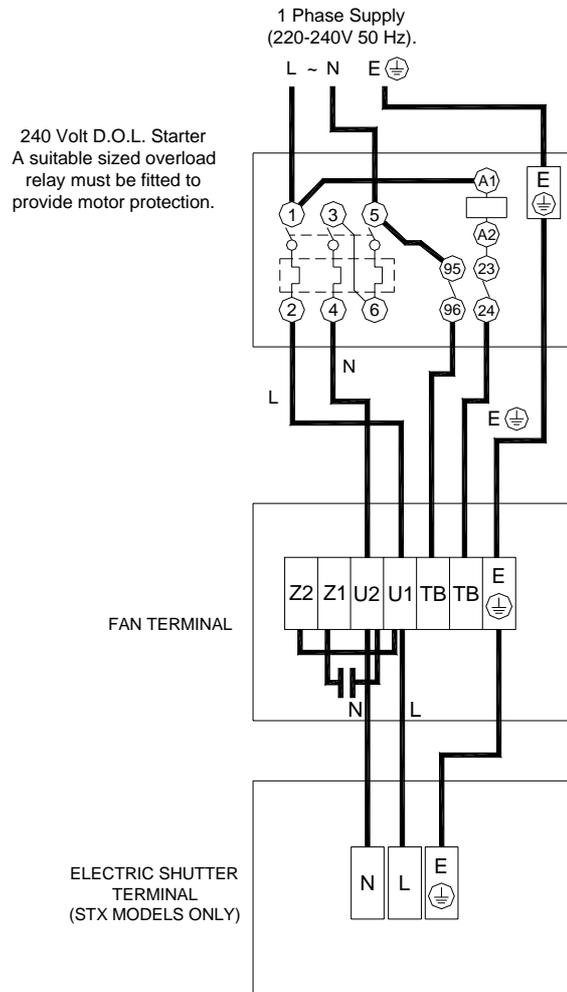
Fig 3.
Super T Wall Fan connected to a 240V Coil D.O.L. Starter and an Electric Shutter (if applicable).

Extract or Intake

FOR FORM-A RUNNING



FOR FORM-B RUNNING



3 CLEANING AND MAINTENANCE WIRING

- a) Before servicing or cleaning the unit, switch power off at mains terminal box or service panel and lock service panel to prevent power being switched on accidentally.
- b) We recommend that at intervals appropriate to the installation the internal grille should be removed from the liner and the impeller and motor fins cleaned.
- c) Ensure fixing and locking washers are secure.
- d) Check that all assembly and mounting screws and mounts are secure and tight.
- e) Vent-Axia fan motors are fitted with sealed for life bearings and therefore do not require lubrication.

SPEED CONTROL

The following controllers are recommended for use with the Vent-Axia Super T range:

- Vent-Axia 240V coil D.O.L. starter
- Vent-Axia 2.5A electronic controller
- Vent-Axia 3A auto transformer

The **Vent-Axia** Guarantee

Applicable only to products installed and used in the United Kingdom. For details of guarantee outside the United Kingdom contact your local supplier.

Vent-Axia guarantees its products for two years from date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's option replaced, without charge, provided that the product:-

- Has been installed and used in accordance with the instructions given with each unit.
- Has not been connected to an unsuitable electricity supply. (The correct electricity supply voltage is shown on the product rating label attached to the unit).
- Has not been subjected to misuse, neglect or damage.
- Has not been modified or repaired by any person not authorised by the company.

IF CLAIMING UNDER TERMS OF GUARANTEE

Please return the complete product, carriage paid to your original supplier or nearest Vent-Axia Centre, by post or personal visit. Please ensure that it is adequately packed and accompanied by a letter clearly marked "Guarantee Claim" stating the nature of the fault and providing evidence of date and source of purchase.

The guarantee is offered to you as an extra benefit, and does not effect your legal rights

Vent-Axia

Head Office: Fleming Way, Crawley, West Sussex, RH10 9YX. Tel: 01293 526062 Fax: 01293 551188

UK NATIONAL CALL CENTRE, Newton Road, Crawley, West Sussex, RH10 9JA

SALES ENQUIRIES: Tel: 0844 8560590 Fax: 01293 565169

TECHNICAL SUPPORT: Tel: 0844 8560593 Fax: 01293 539209

For details of the warranty and returns procedure please refer to www.vent-axia.com or write to Vent-Axia Ltd, Fleming Way, Crawley, RH10 9YX