

# TILE FAN



## INSTALLATION & MAINTENANCE INSTRUCTIONS

### Warning:

- Isolate fan electrically before access.
- It is the responsibility of the installer to fit additional guarding to the fan inlet if the fan is installed in a position where there is risk of injury.
- The Licensed Electrical installer must ensure that an approved means of disconnection be incorporated into the fixed wiring.
- This appliance is not intended for use by young children or infirm persons without supervision.
- Connections, cables and cords must be installed in accordance with local regulations. The product must be installed by a licensed Electrician.

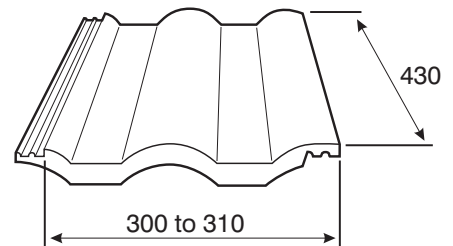


Figure 1.

### Before Installing:

1. Check fan for possibility of transit damage and that the fan matches the tile type used on the roof. The Tile Fan suits most Boral and Monier concrete tiles with dimensions as shown. (See Figure 1.)
2. Ensure that any ductwork, if fitted, is clear of any debris that could be drawn into the fan impeller.
3. Check the fan is free to rotate.
4. Ensure that there is a 240V single phase plug within 1.2m of the fan.
5. Fit Inlet Spigot (if applicable) in accordance to instructions overleaf.
6. After installation is complete, test run the fan, record the Amps and ensure it is operating correctly.

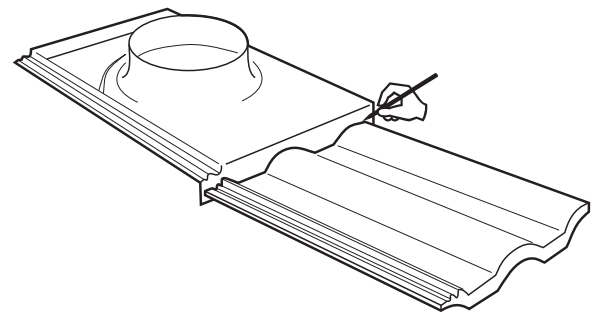


Figure 2.

### Installing the Tile Fan:

1. Select the position where you want to install the Tile Fan and carefully remove one tile. Using the removed tile as a template, mark the profile on the front face of the Tile Fan base. (See Figure 2.)
2. Cut the front face of the Tile Fan base with appropriate cutting device. (See Figure 3.)
3. For some tile profiles, it may be necessary to cut the back face of the Tile Fan to suit the underside of the tile. Do not cut the full depth of the back face; this will ensure that the Tile Fan is still weatherproof. (See Figure 3.)
4. If the roof is insulated, cut the insulation diagonally and fold down to allow an opening of the appropriate size.
5. Carefully slide the Tile Fan into position and from the inside of the roof space, secure the fan with wire passed through the hole in the fixing bracket. (See Figure 4.)
6. Fit the wedge spacer between the batten and the Tile Fan base so that the fan fits tightly under the adjacent tile. (See Figure 4.)

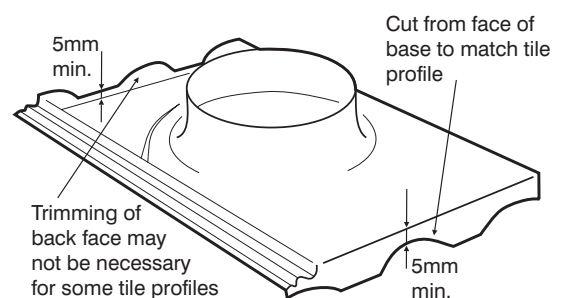


Figure 3.

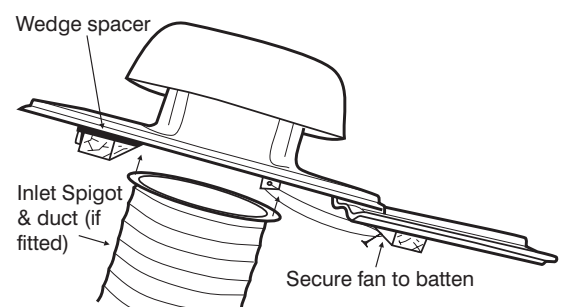


Figure 4.

## Inlet Spigot Installation:

1. Remove the 4 off M6 flange nuts that hold the motor support guard to the housing. Do not change the position of the motor support guard or fixing bracket.
2. Place the inlet spigot in position. Ensure that the lead recess in the spigot is positioned as shown and the electrical cable is not pinched. (See Figure 5.)
3. Fasten the inlet spigot in position with the M6 flange nuts, ensuring that the motor support guard and fixing bracket are in the same position as originally supplied. (See Figure 6.)
4. Check fan is running freely.

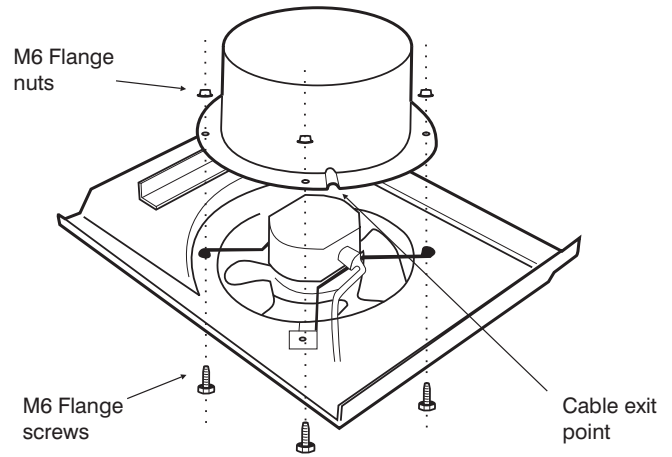


Figure 5. - View from underside of fan

## Maintenance:

1. All motors are fitted with sealed-for-life bearings which are maintenance-free. All motors are fitted with thermal contacts to stop the fan in the event of over-heating. These will reset automatically when the motor cools, enabling the fan to re-start.
2. It is recommended that fans be inspected after 3 months initially, then every 1 year, to clean the blades and motor and to check that the fan rotates freely. All check that the fastenings are tight.

**IMPORTANT:**  
Ensure motor support guard and fixing bracket are re-fitted in the same position as originally supplied.

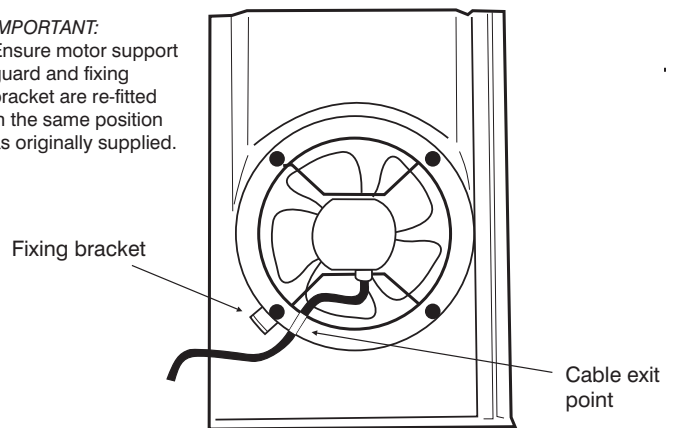


Figure 6. - View from underside of fan

## Warranty:

- Fantech Pty Ltd warrants products of its manufacture when not misused or neglected to be free of defects in workmanship and/or materials. Our obligation under this warranty is limited to repairing or exchanging F.O.B. factory, any part, assembly or portion found to be defective within one year from the date of commissioning but not to exceed eighteen (18) months from date of shipment from our factory.

The Company assumes no responsibility for labour costs involved in the removal of defective parts, installation of new parts or related service charges.

- The Company shall have the option of requiring the return of the defective part (transportation prepaid by the Buyer) to establish the claim.
- Warranty will be void if installation is not carried out by qualified personnel in accordance with these instructions and good trade practice.
- Fully detailed warranty conditions are contained in Fantech's Standard Conditions of Trading.

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