

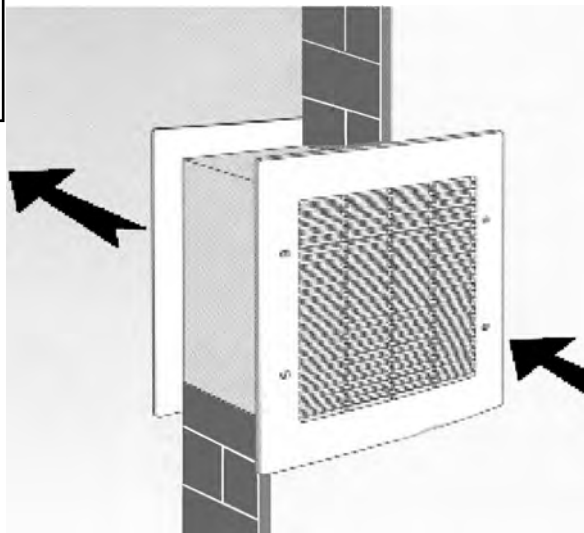
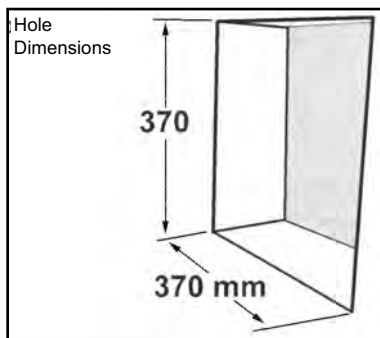
# "VXARB"

## Built-in Wall Axial Fan



## Installation and Maintenance Instructions

- 2 sizes
- domestic and commercial use
- automatic shutters
- reversible
- **BOTH SIZES FIT INTO SAME SIZED HOLE**



## **"VXARB" - BUILT-IN WALL AXIAL FANS**

### **Installation Instructions**

#### **THE RANGE**

VXARB23/9 - 23cm/9" - 230v, 46w, 400-800m<sup>3</sup>/hr, 56Pa, 50dbA

VXARB30/12 - 30cm/12" - 230v, 106w, 800-1500m<sup>3</sup>/hr, 85Pa, 59dbA

1. Fans comply with CEI64-8, IEC64, CENELEC384, and with EMC 89/336 concerning the suppression of radio interference and electromagnetic compatibility.
2. Included is a remote, 5 speed controller, which allows the flow of air to be reversed, and in order to provide natural ventilation (on '0') allows the fan shutters to remain open even when the motor is switched off.
3. It is possible to wire the fan without the speed controller (see Fig 8b, c, and d).
4. The shutters on the fan are of the delayed action (opening and closing type) for quiet operation.
5. The wall liner included with this product is adjustable from 190mm to 380mm depth.
6. **BOTH SIZES OF FAN USE THE SAME SIZED WALL LINER - 370mm x 370mm.**

#### **IMPORTANT - SITING INFORMATION**

1. These are axial fans suitable for exhausting air and fumes directly outside.
2. For optimum performance your fan should be installed as high as possible.
3. The fan must not be used in an ambient temperature higher than 40°C.
4. The room where the fan is located must have an adequate supply of fresh air to ensure correct operation (UNI CIG 7129).
5. An adequate supply of fresh air must be provided if the fan is to be fitted in a room containing a fuel burning appliance which is not of the balanced flue type.
6. **DO NOT** use the fan in the presence of flammable substances or vapours.
7. The air or fumes being extracted must be clean and free from greasy particles, soot, chemical and corrosive agents, flammable or explosive mixes.
8. The fan should **NOT** be used as an activator for water heaters, stoves etc.
9. Installation must be carried out by qualified personnel. Incorrect installation can cause damage to people, animals or property for which the manufacturer cannot be held liable.
10. If you have any doubts concerning this product, please contact your supplier.

#### **IMPORTANT - ELECTRICAL INFORMATION**

1. All electrical connections must comply with the current IEE regulations. The fan is a fixed appliance, and the electrical supply must, therefore, be by a fixed, wired and fused (3amp) spur incorporating a double pole switch with contact openings of at least 3mm. Use twin conductor cable of at least 1mm<sup>3</sup> in section.
2. Your fan is double insulated and does not require earthing.
3. It is recommended that the installation be carried out by a qualified electrician.
4. It is recommended that the product is switched off when not in use.
5. If the product needs to be removed, turn off the main network circuit-breaker and then disconnect the product from that network.

### **INSTALLATION INSTRUCTIONS**

1. Remove all packing material and check that your fan has not been damaged in transit.
2. Check that your electrical voltage and frequency correspond with those marked on the rating label, and that your electricity supply is sufficiently powerful to operate the product at its maximum power.
3. Check the location of existing wiring for ease of connection and make the electrical connections as in the following instructions.
4. Install the fan as shown:

Fig A:            packaging contents

Figs 1 and 2: make hole in wall 370mm square

Fig 3:            position wall liner, allowing for cable entry

Fig 4:            make good wall liner surround

Figs 5 and 6: take fan and remove front cover

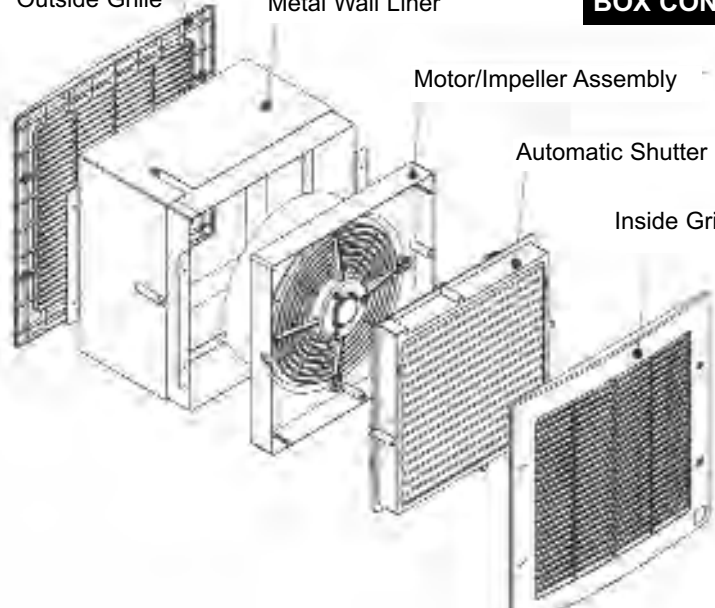
Fig 7:            fit motor/impeller assembly using screws provided

Fig 8:            make electrical connection

Figs 9 and 9a: replace fan shutter making sure that louvres and switch "A" are in correct position.


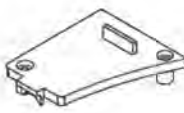

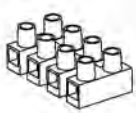

Fig 10:          fit grilles to internal and external walls

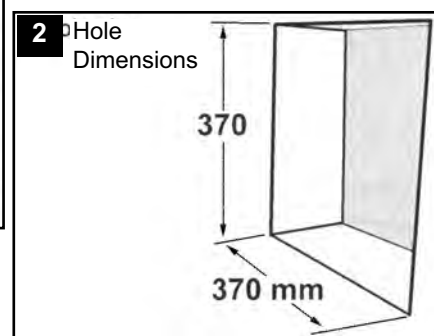
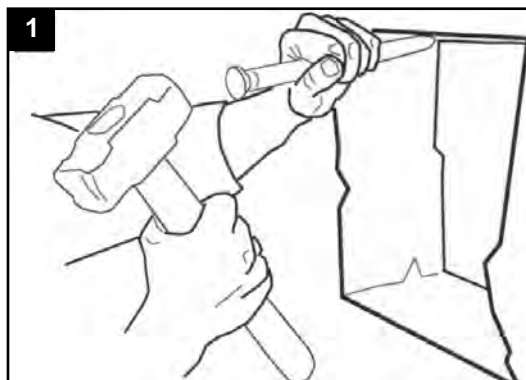
**A** Outside Grille Metal Wall Liner **BOX CONTENTS**

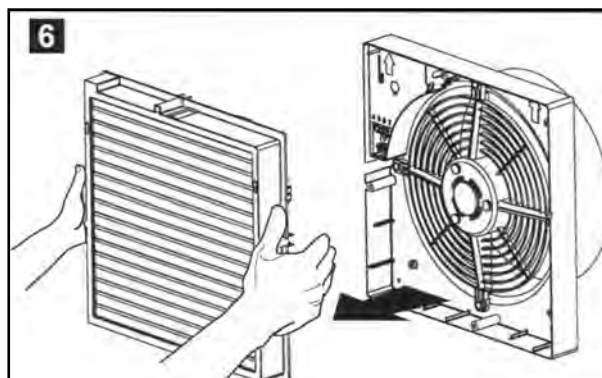
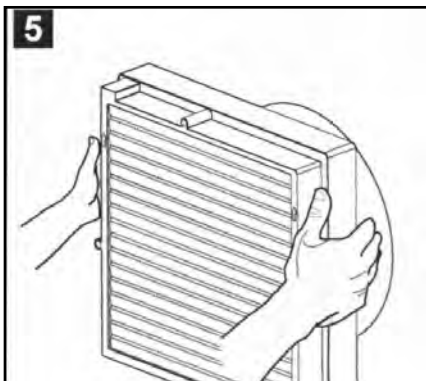
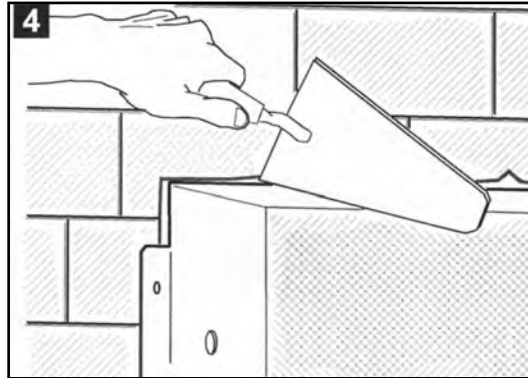
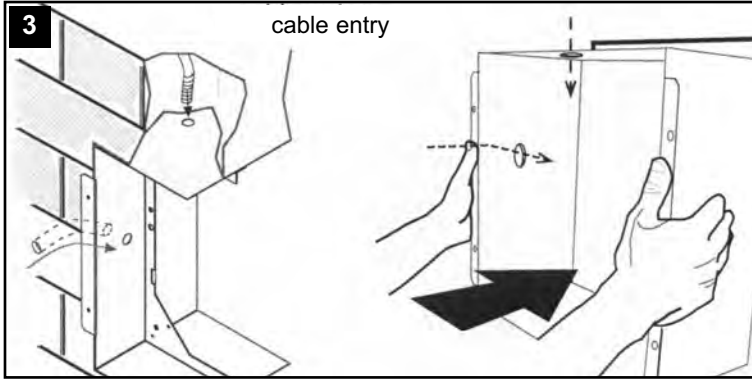


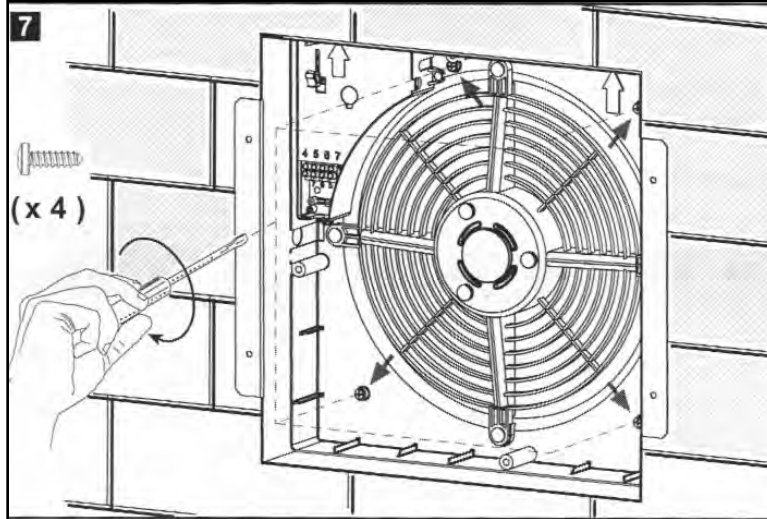
Motor/Impeller Assembly  
Automatic Shutter  
Inside Grille

**Small Plastic Bag Contents**

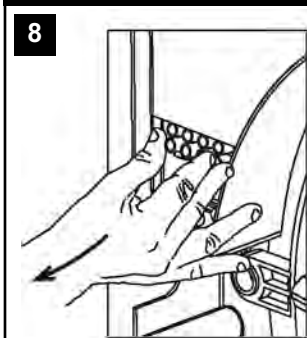
	8 - M4 x 15 steel		Terminal block cover
	Cable grommet		Terminal block
	2 - 2.9 x 13		



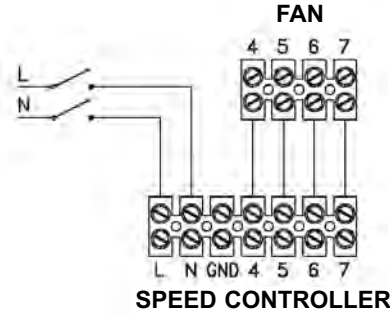




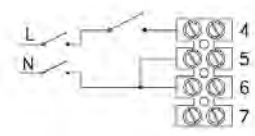
**WIRING DIAGRAMS**



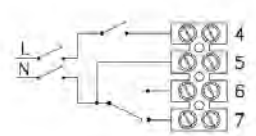
**A** With Speed Controller



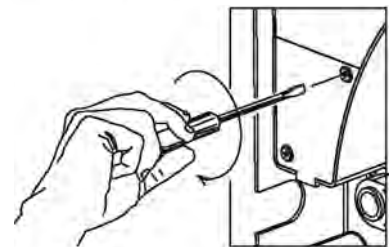
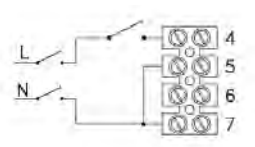
**B** Extract only, without controller

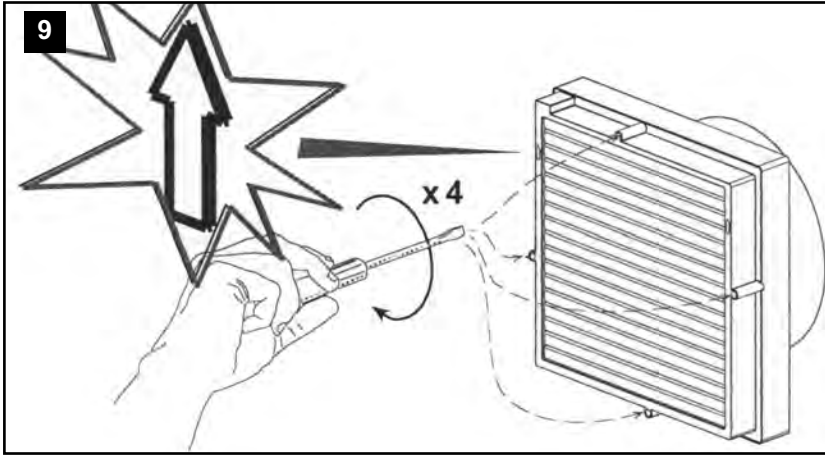


**D** With reversing switch

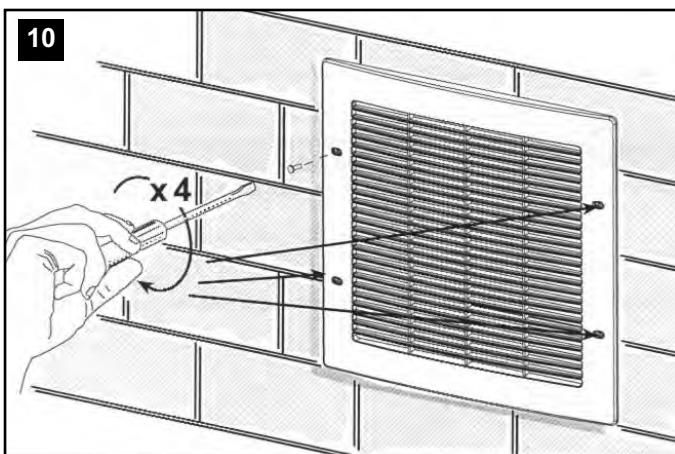
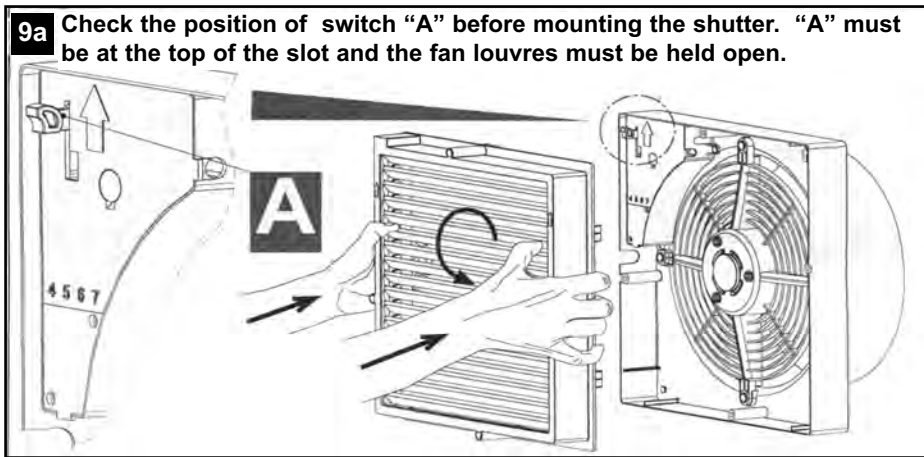


**C** Intake only, without controller





**9a** Check the position of switch "A" before mounting the shutter. "A" must be at the top of the slot and the fan louvres must be held open.



## **CLEANING AND MAINTENANCE**

1. Before carrying out any maintenance or cleaning operation, switch off the fan and disconnect it from the main power supply.
2. Disassemble the grille as shown in Fig 10
3. Disassemble the shutter as shown in Fig 9
4. To disassemble or clean the motor-impeller group, disconnect the removable terminal block (Fig 8).
5. Clean the grille and shutter either with a soft brush, or with a mild detergent or water.
6. Electrical parts cannot be cleaned.

## **TROUBLE SHOOTING**

1. The product is not working:
  - Check to see that the electrical connection has been properly made and that there is an electricity supply coming to the fan.
2. The fan blade is not running:
  - check to see that it is not blocked
3. The shutter does not open.
  - Wait for at least 30 seconds (the shutters are the delayed opening type). If the shutter still does not open, check that it has been properly mounted (see Fig 9a).