

INSTALLATION GUIDE

BR550 / BR552

BRW650 / BRW652

BRB750 / BRB752

Under our policy of continuous product development, product specifications may change without notice. Please refer to the online version of the manual for the latest updates and specifications.

Revision V3 27/10/23

schweigen

www.schweigen.com.au

1. Welcome

Thank you for purchasing your new Schweigen exhaust fan system.

To get the maximum output from this unit, please read through this operating guide before use and installation.

The operating guide contains important information on the correct use and maintenance of the unit, as well as important safety notes. This will ensure your personal safety and the lasting value of your motor system.

Please always retain your proof of purchase to aid in any warranty queries.

This appliance and its packaging are produced by processes that minimise waste and respect the environment.

Please help us to continue this effort to protect the environment by using the appliance efficiently and dispose of the packaging in a responsible manner.

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2. Your Safety



WARNING

Please read this section thoroughly before attempting to operate the appliance. Inspect your product upon receipt. Any damage or defects **MUST** be reported within **48** hours, or no claim will be recognised.

DO NOT INSTALL THIS APPLIANCE IF YOU FIND IT DAMAGED.

If this product is installed damaged, the supplier, nor the retailer, will be responsible for the costs associated with the repair, replacement, removal or re-installation of the appliances.

1. This appliance is not intended for use by person/s (including children) with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge. Unless the person has been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance, it is not a toy.
2. Air exhaust must be installed in accordance with local laws.

Before Installation

We recommend this appliance to be installed or repaired by an experienced Home Appliances technician.

Please see our website **www.schweigen.com.au** for experienced installers.

It is dangerous to modify any part of this appliance. Modification of any kind, will immediately void the warranty.

The manufacturer declines all responsibility in case of failure to adopt proper safety measures.

Ensure that the location in which this appliance is installed, has good and permanent ventilation.

Please consult local laws and regulations and install in accordance.

Use an electrical connector with earth that is correct for your location.

Check that the voltage in your area corresponds to the appliance as indicated on the rating label.

Electrical Cord

Ensure the supply cord is not exposed to heat, chemicals or sharp objects. If the supply cord is damaged, it must be replaced by the manufacturer, service agent or a similarly qualified person in order to avoid a hazard.

This manual is for the installation of the motor systems use for bathroom and general extraction.

Motor Features

- Universal mounting all position with IP23 degree of weather protection
- Patented anti water intrusion system.
- Acoustic dome with super quiet, long vane centrifugal fan.
- Airflow is dependant on installation and the ducting used.
- Using a single 200mm flexi duct, you should attain 650m³/hr depending on the ducting installation.
- The use of a smaller than 200mm ducting would result in a loss of airflow.
- Simple installation: Mounts onto a 200mm Metal pipe for ultimate strength and allows for easy Dektite roof sealing.
- Industrial quality motor and rated at 40,000 hours.
- Motor is a high efficiency PSC type and rated at 62W.
- **WARRANTY 5 YEARS.** Covers faulty manufacturing or components. It does not cover normal wear and tear, chemical or storm damage etc. (see warranty card for more information).

General Notes on Installation and Use

This fan unit is designed to be installed using 200mm metal pipe as the initial connection duct to the fan module, and is supplied with a 200mm metal pipe and 200mm flexible duct.

This fan is suitable for connection to multiple duct runs with a minimum inlet area of 22,000 mm². Length up to 8 metres maximum (check with supplier if longer duct length required). Flexible ducting must be extended sufficiently to present a smooth air passage with bends of at least the radii of twice the diameter of the duct.

Excessive bends in the ducting will compromised extraction.

WARNING: The exhaust fan must not be mounted into a wall cavity or a ceiling space.

NOTE: Fan module and flexi-duct are acoustically matched. The use of semi-rigid or rigid ducting will result in increased noise levels and void the warranty. See installation instruction notes 'Why flexi-duct'.

Recommended Installation Distance

For the motor system, **recommended 4 metres** of ducting and with at least two bends..

NOTE: Installation closer than these distances will result in higher noise levels. Maximum duct length 8 metres. Check with supplier if longer length is required. Do not reduce the duct size at any time and avoid sharp bends.

2. Your Safety

Minimum Mounting Height

This fan unit is intended for mounting at a minimum height of 2.1 metres (measured to the lower part of the fan impeller) above floor/ground level.

Avoidance of Back Flow

Care should be taken to avoid the back flow of gases into the room.

Safety of Children

This fan is not intended for use by young children or infirm persons without supervision.

Replacement of supply cord

If the supply cord is damaged, it must be replaced by a service agent or suitably qualified person in order to avoid a hazard.

Why Flexi-duct

Some internet sites strongly recommend the use of rigid ducting over fully flexible ducting.

The use of a complete rigid or semi-rigid ducting system will cause an organ piping effect to occur; like a didgeridoo, where a noise is produced at one end of a hollow rigid pipe and the noise is amplified out the other.

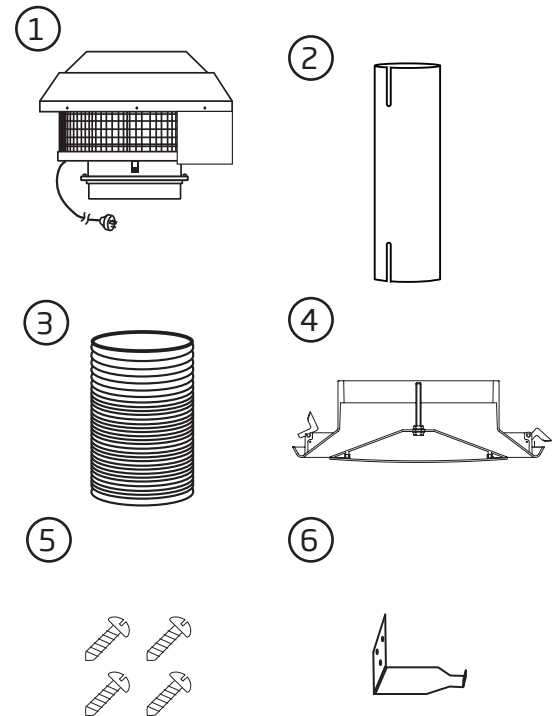
The motor system puts the noise outside the house.

Warning: Installation without the use of at least the minimum recommended length of acoustically matched flexi-ducting will void performance expectations. Any installation problems must be reported to Schweigen. Call outs relating to incorrect installation will result in a service fee direct to the customer. Schweigen takes no responsibility for problems caused by faulty installation. Faulty installation may void warranty. An experienced installer list can be obtained from the Schweigen website **www.schweigen.com.au** or call **1300 881 693**.

BR550, BRW650, BRB750

Included in the box:

1. Motor system (350W x 295H mm approx.)
Approx. 3 metre, 10amp cable and standard plug
(backdraft shutter and weather shield included)
2. Fire resistant 200mm metal pipe
3. Flexible ducting, Approx. 4 metres,
200mm (210mm outside dimension) diameter
4. Diffuser (see page 17, 18, 19 for more information)
5. 4 x 12mm self-drilling button head screws (for attaching
metal pipe to motor and ducting)
6. Wall hanging bracket



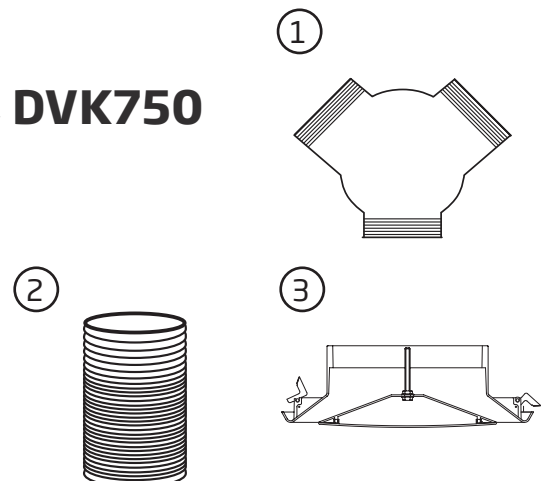
Not included in the box:

- Roof seal kit / Dektite
- Support clamps/straps for pipe which connects to the roof truss
- Aluminium foil tape
- Wall Cover Plate (wall mount only) - optional

Kits for 2 Rooms - DVK550, DVK650, DVK750

Included in the box:

1. Y-Branch (200mm x 200mm x 200mm)
2. 2 x Flexible ducting, Approx. 3 metres,
200mm (210mm outside dimension) diameter
3. Diffuser (see page 17, 18, 19 for more information)



4. Installation

1. Roof Installation

Recommended duct length: 4 metres.

Mount 200mm metal pipe securely to beams, trusses or other appropriate structures: refer figure 1. The pipe should be mounted vertically with the roof penetration being sealed using a Dektite or other appropriate sealing membrane or device (not provided).

Ensure that the pipe **protrudes at least 80mm** past the top of the Dektite, checking that the fan assembly clears the roof cladding at upper edge, refer figure 1 – Roof Mount Option.

Pass power cord and plug through pipe, then out the slotted pipe for connection to the socket. Refer to figure 1.

Do not insert plug into socket outlet or switch on until installation has been completed. Fit fan module to pipe and fix in position using side locking screw.

Certain external installation configurations may cause audible levels of noise to be heard due to the air being expelled from the motor. To minimize external noise disturbance you can use between 4 to 8 metres of flexible duct to place the motor in an appropriate position.

For more information on environmental noise limit and conditions please contact your local Council.

For installation, We have a list of experienced installers available on the Schweigen website.

Do not install duct in a straight line and a minimum of two gentle bends in the ducts is required.

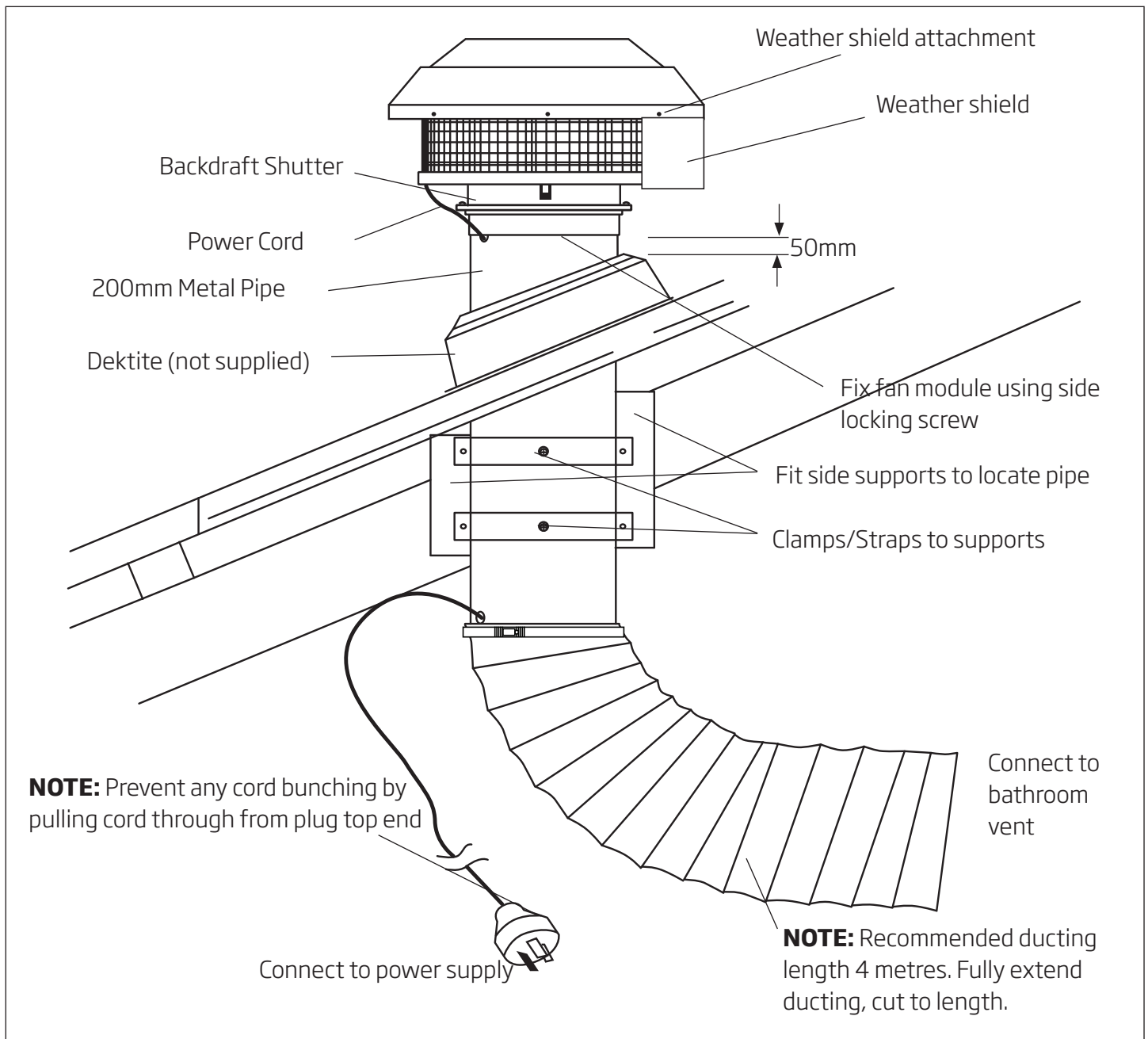


Figure 1 Roof installation



IMPORTANT

For more flexible ducting instructions, refer page 13.

4. Installation

2. Wall Installation

This type of installation is similar to roof mounting, ensuring that the pipe extends at least 55mm past the wall surface refer figure 3. If the pipe length is shortened, reproduce the power cord exit slot on the inside of the wall.

NOTE: By decreasing the length of the duct from which specified (refer to installation instructions) there will be an increase in airflow and noise levels as a result. This increase in airflow can cause movement of air to be heard through the system and inhibit the system to run silently.

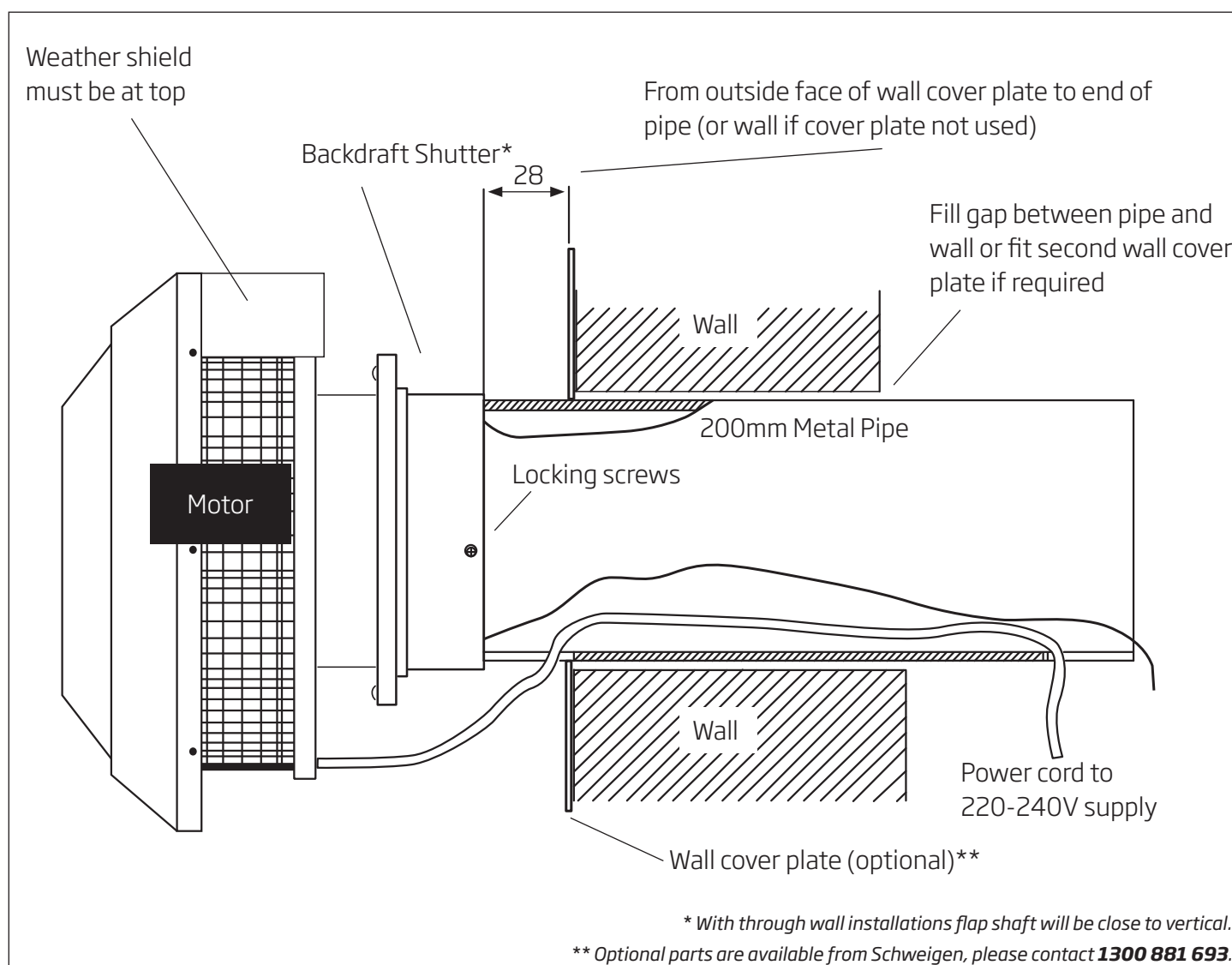
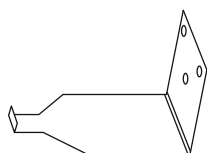
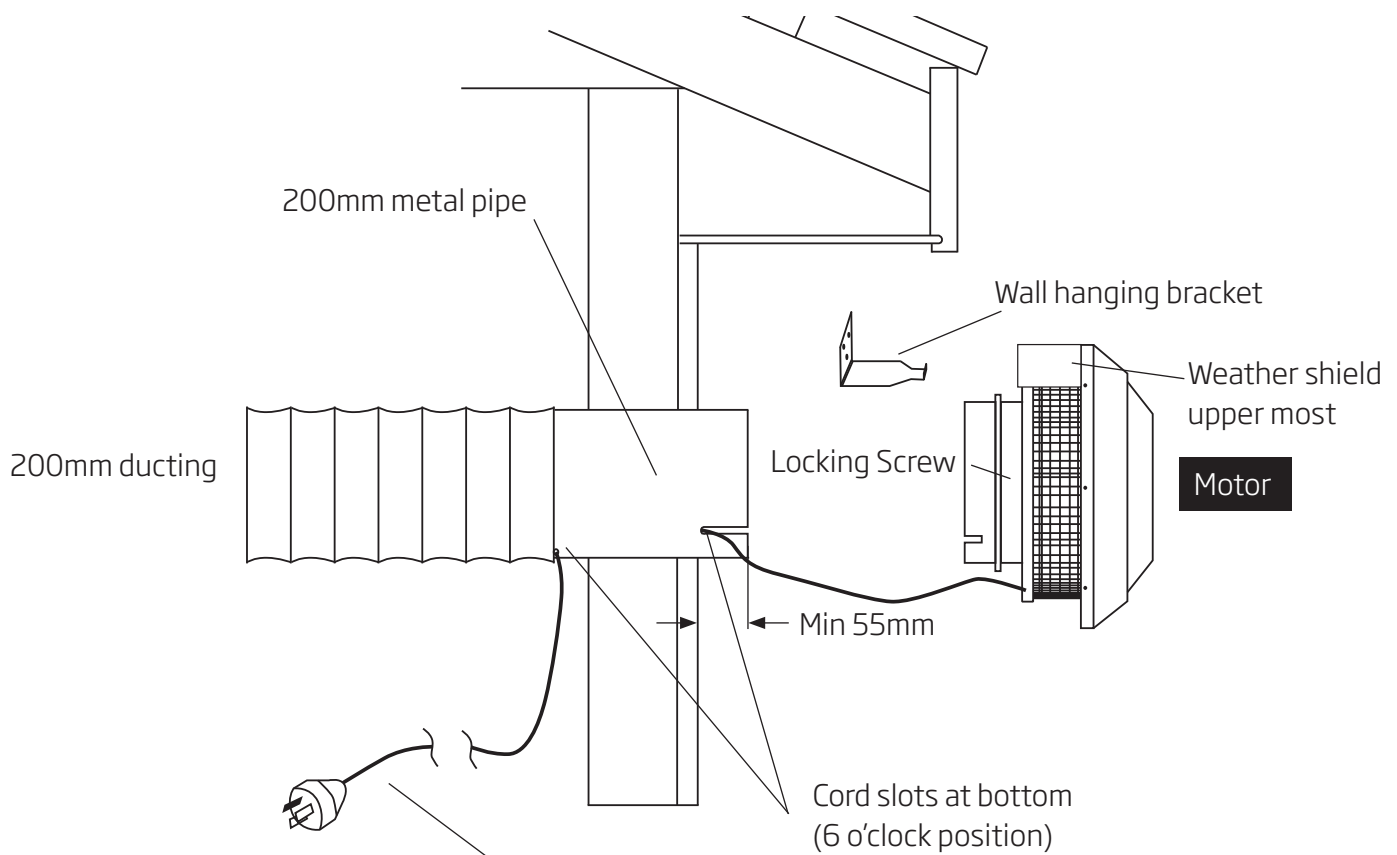


Figure 2 Wall installation

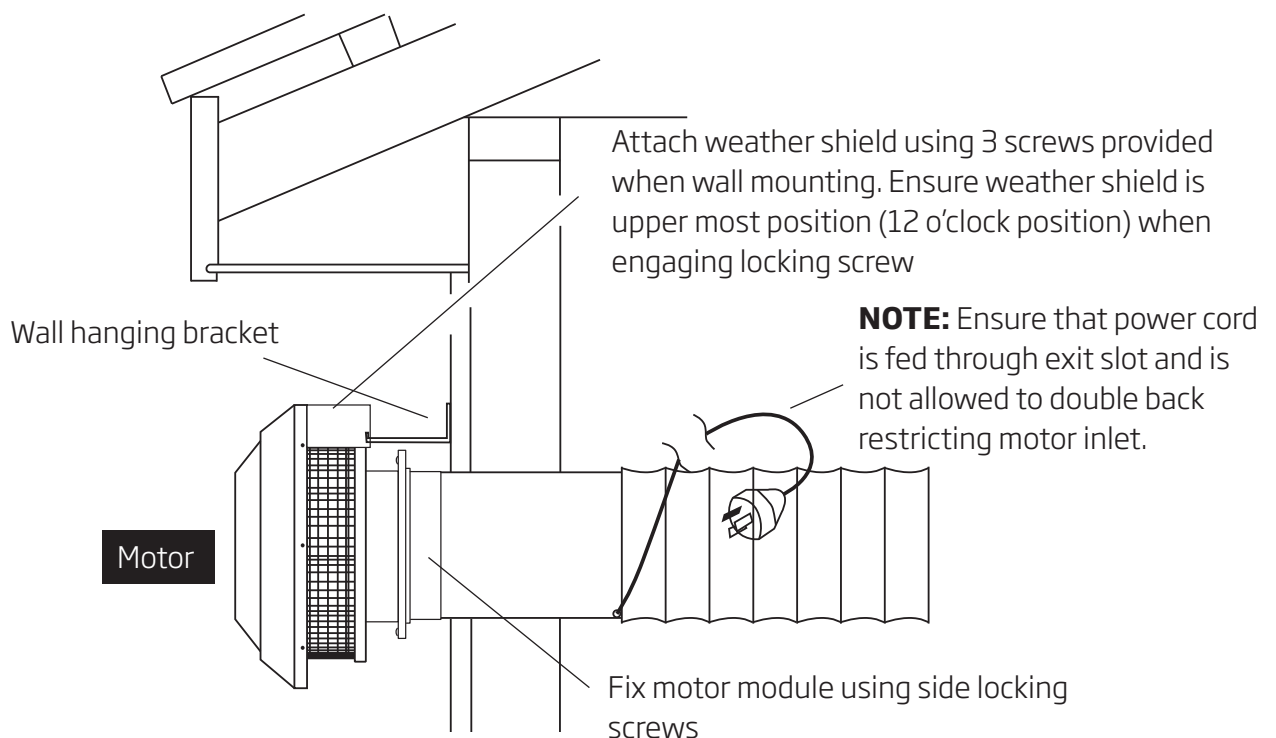


IMPORTANT

It is a requirement to use the wall hanging bracket for all wall mount installations. Please refer to the illustrations for mounting.



NOTE: Ensure that power cord is fed through exit slot and is not allowed to double back restricting motor inlet.



NOTE: Due to the weight and to create stability for the motor, it is require to use a wall hanging bracket. Warranty will be void if a hanging bracket is not used.

Figure 3 Wall mount option

4. Installation

BR552/BRW652/BRB752 Duel Vent System or optional DVK550/DVK650/DVK750 Installation

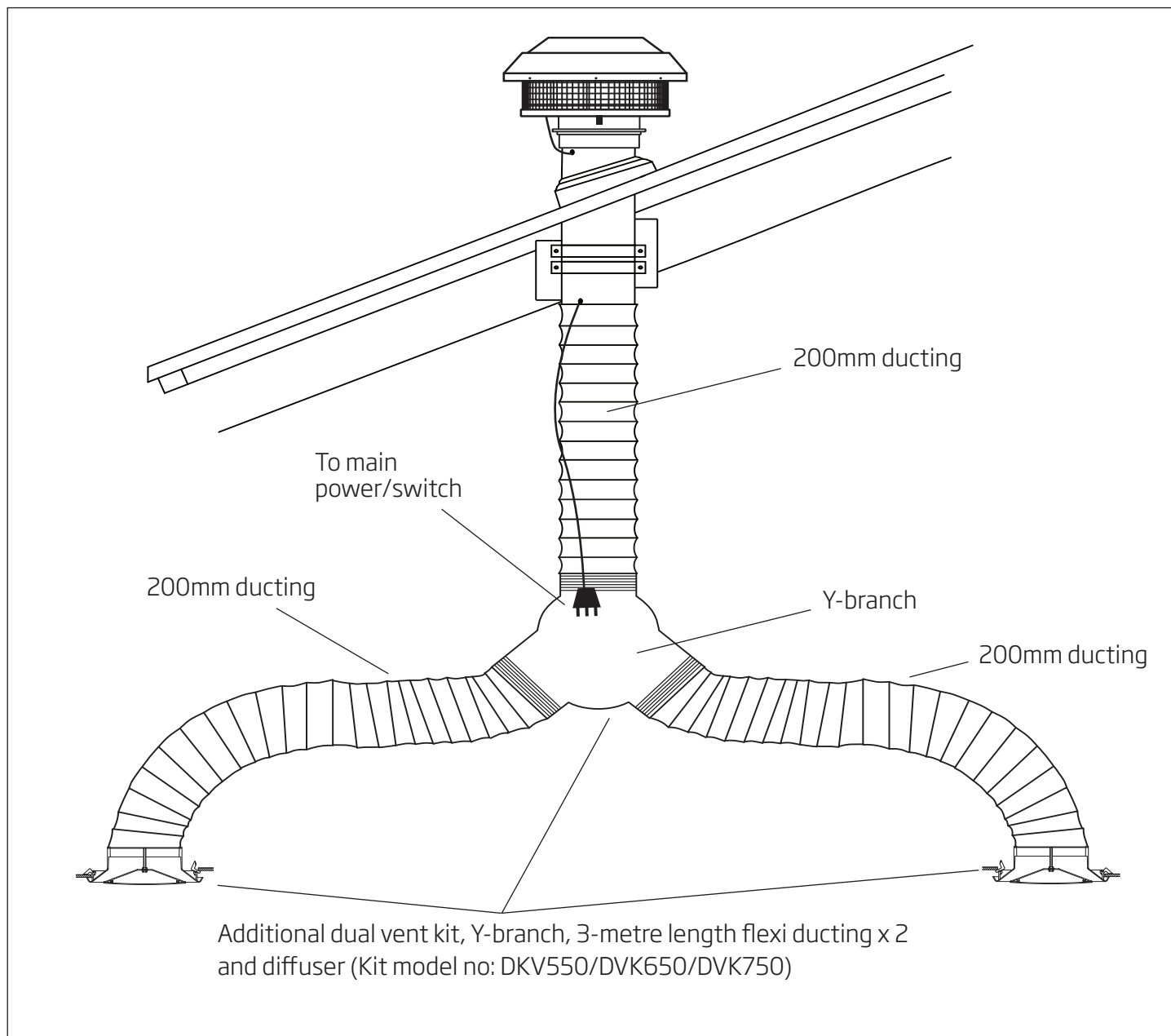


Figure 4 Ventilation Option for Dual Vent



IMPORTANT

- Do not reduce the ducting size. 200mm must be used. Reducing the ducting will reduce extraction
- No sharp bends in the ducting
- Do not kink the ducting
- keep the amount of bends in the ducting to 2
- Do not use semi-rigid or solid ducting

Flexible Ducting

Flexible ducting must be fully extended and cut to the required length upon installation. Maximum fan performance will not be achieved unless the ducting is fully extended. Failure to fully extend the ducting results in smaller air passage and lower airflow. Incorrect installation may reduce airflow and increase noise levels. Call outs relating to incorrect installation will result in a service fee directed to the customer. Schweigen will take no responsibility for problems caused by faulty installation. Installation must be carried out by an experienced installer. An experienced installer list can be obtained from Schweigen website www.schweigen.com.au.

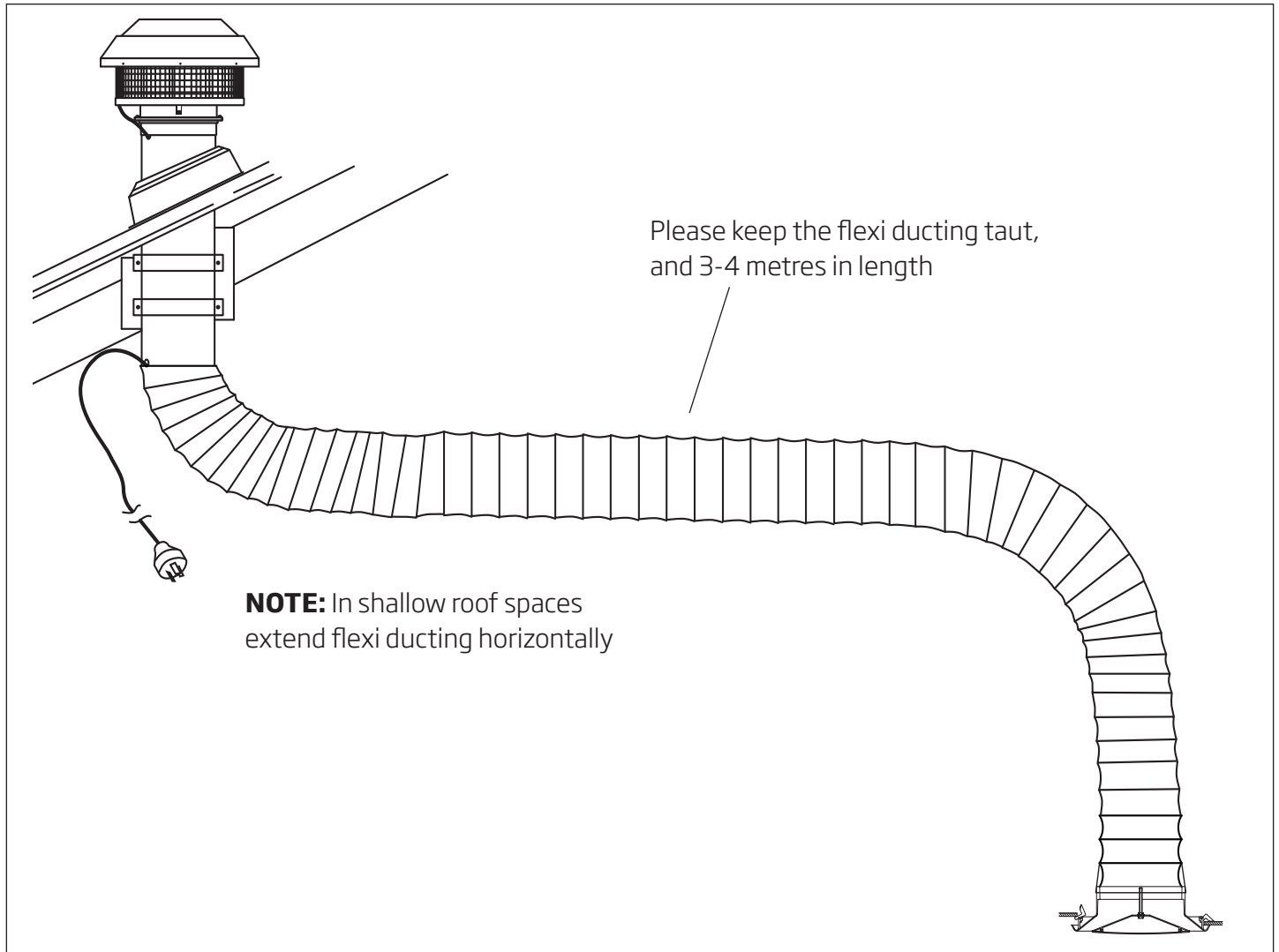
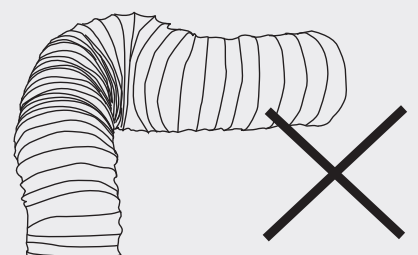
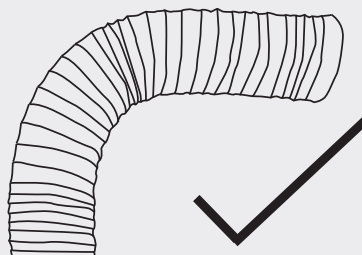


Figure 5 Flexible Ducting



IMPORTANT

Please do not crush or kink flexible ducting as it will reduce air flow and may cause noise to occur through the system. Ducting must be kept taut at all times.



5. Flexible Ducting

Shallow Roof Space

In shallow roof spaces, do not crush or kink flexible ducting, as it will reduce air flow severely. 90 degree curve made of PVC or galvanise can be used as a substitute for the bend, refer to figure 6.

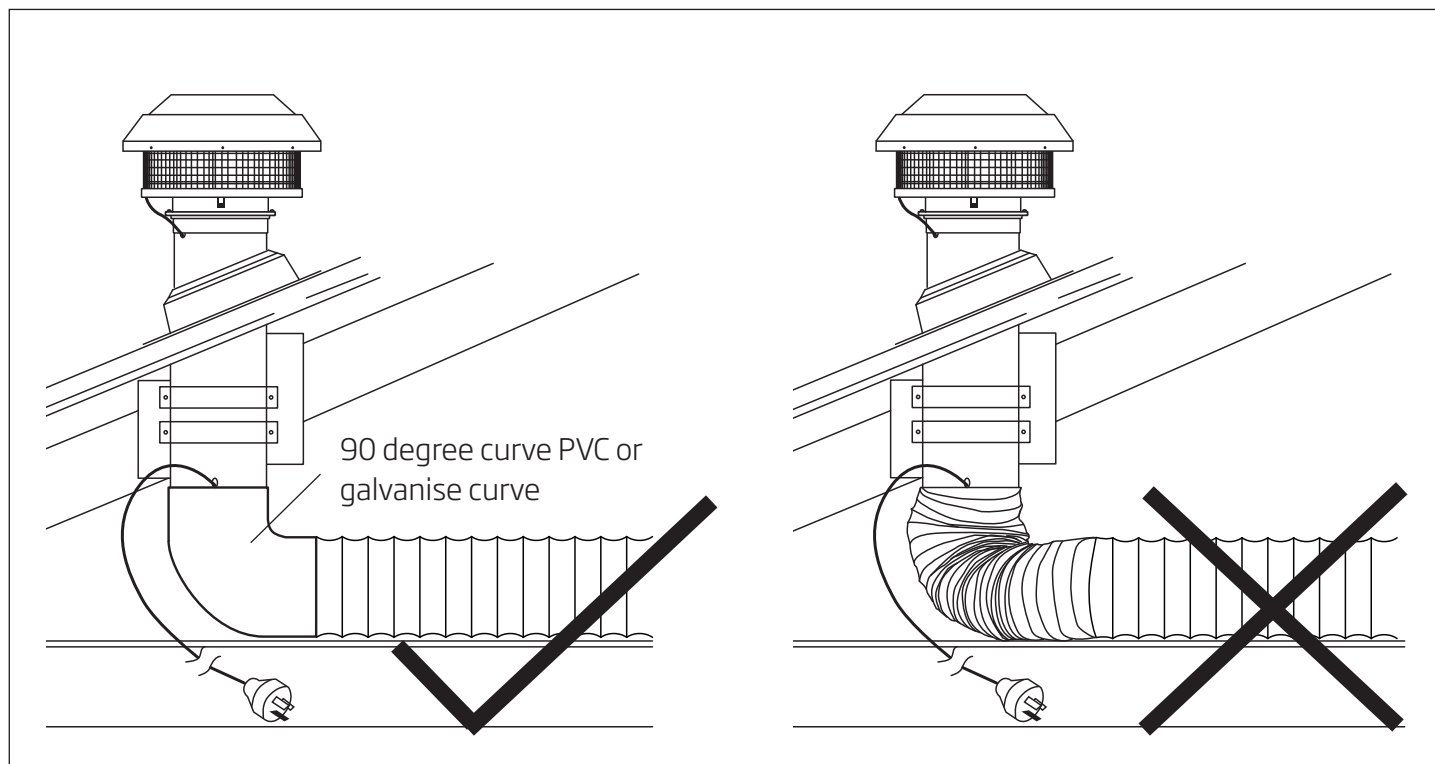


Figure 6 Shallow roof space

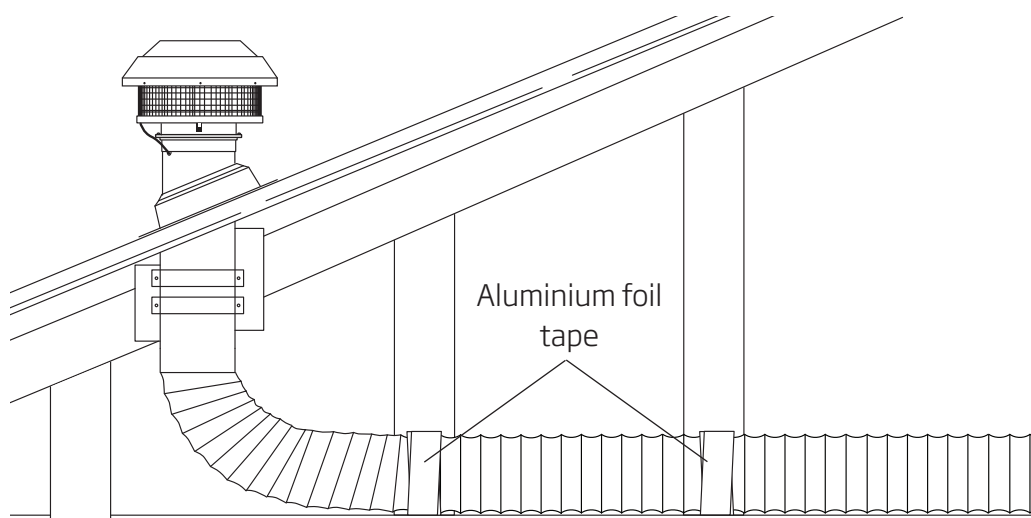
Securing Flexible Duct

Flexible duct must be installed with supports at maximum intervals of 1.5 metres. Flexible ductwork can be supported by using gaffer or electrical tape. Provided that it does not restrict the internal diameter of the ducting. Ducting installed looped over hanging beams should be installed in such a manner as to ensure the changes of direction are gradual. Support of the ducting with the use of hangers may be required, see option 2.

NOTE: Ducting should be kept taut at all times.

Option 1

Secure the flexible duct to the beam



Option 2

Support flexible duct by using hangers.

NOTE: Care shall be taken to minimize sagging or snaking of the duct between supports.

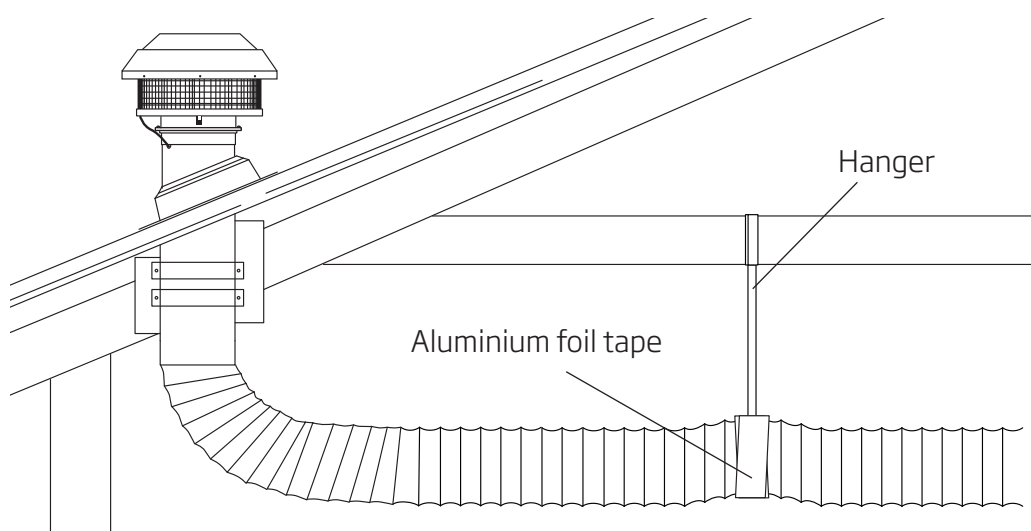
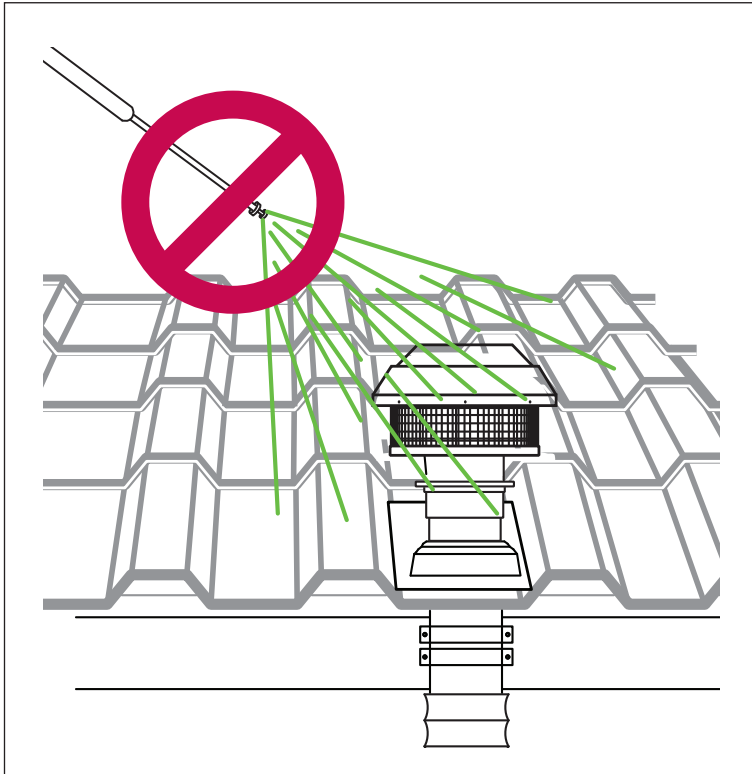


Figure 7 Securing flexible duct

6. Maintenance

Roof Restoration or Cleaning

Before roof restoration or cleaning, please completely cover the outside motor system and avoid all chemical contact.

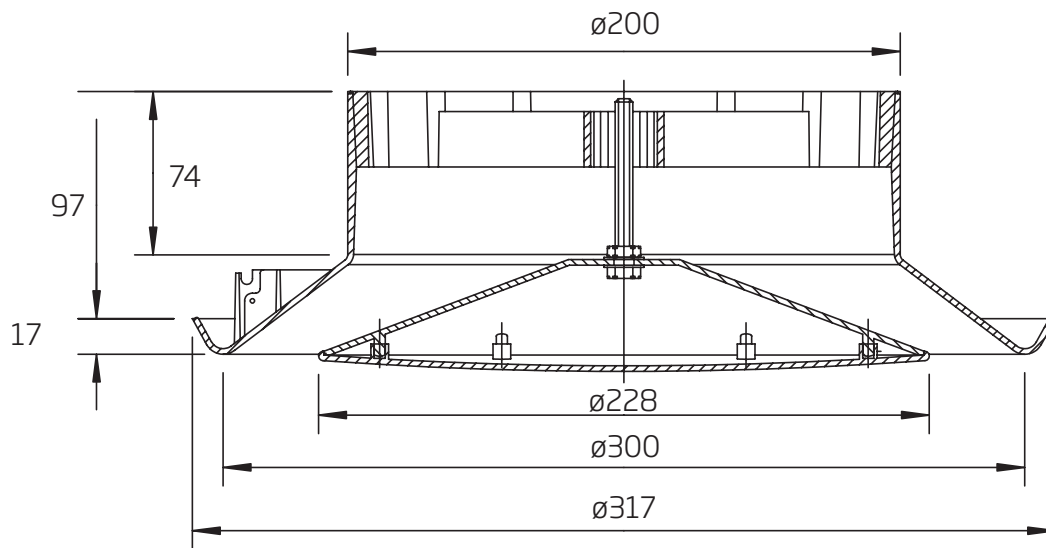


IMPORANT

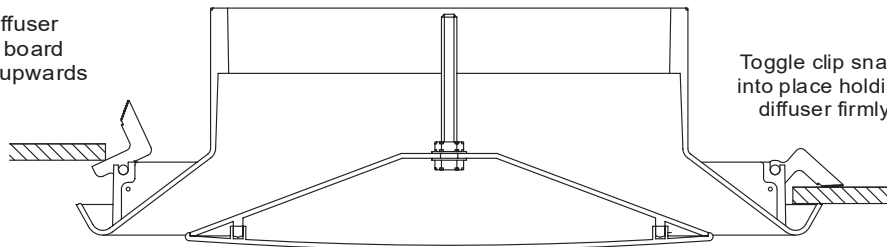
Any damages caused by the use of chemical products are not covered by warranty.

Figure 8 Avoid chemical contacted to motor system

BR550, BR552 - Diffuser

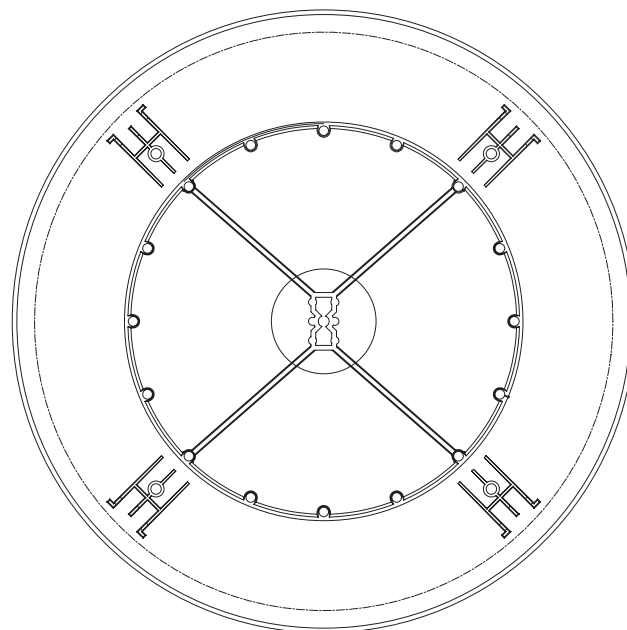


Hold diffuser
against board
and push upwards



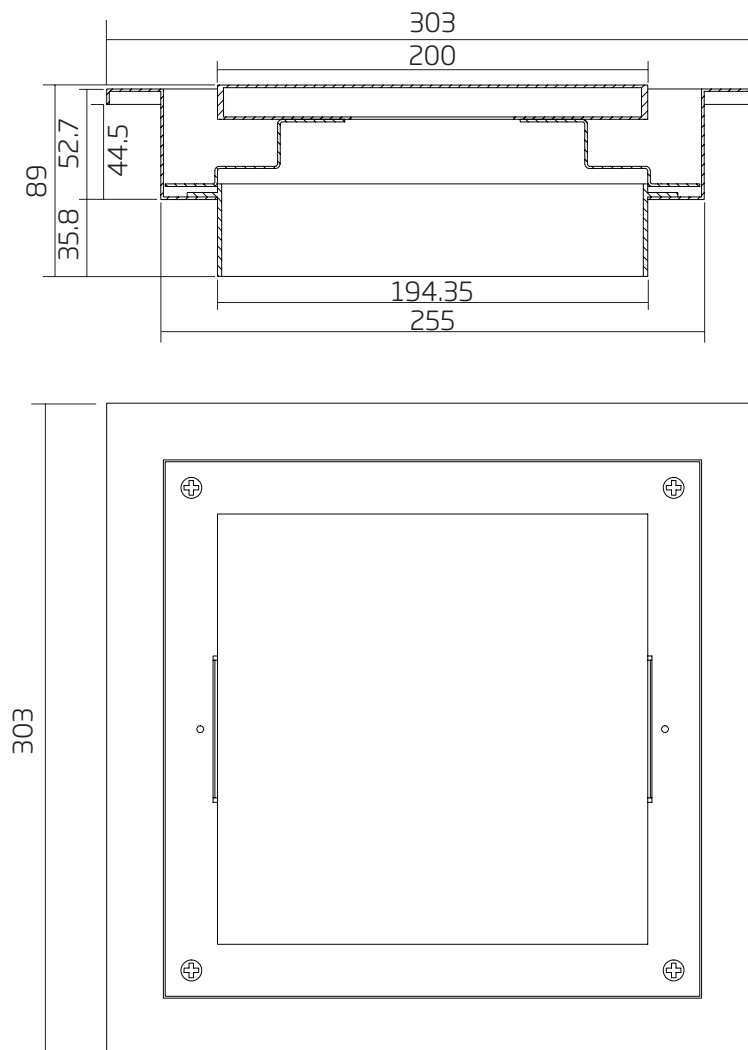
Toggle clip snaps
into place holding
diffuser firmly

The cone in the middle can be adjusted
to increase or reduce airflow by winding
anti-clockwise or clockwise

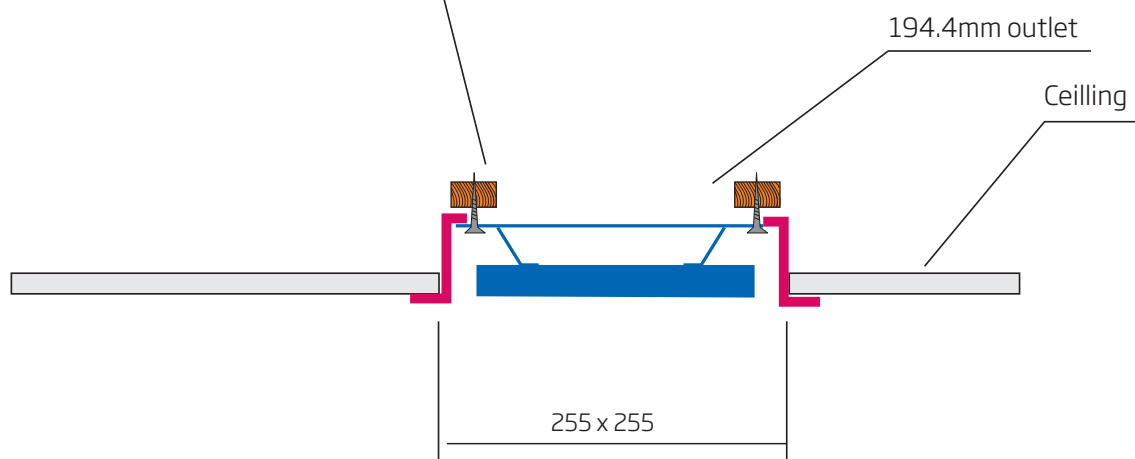


7. Measurements

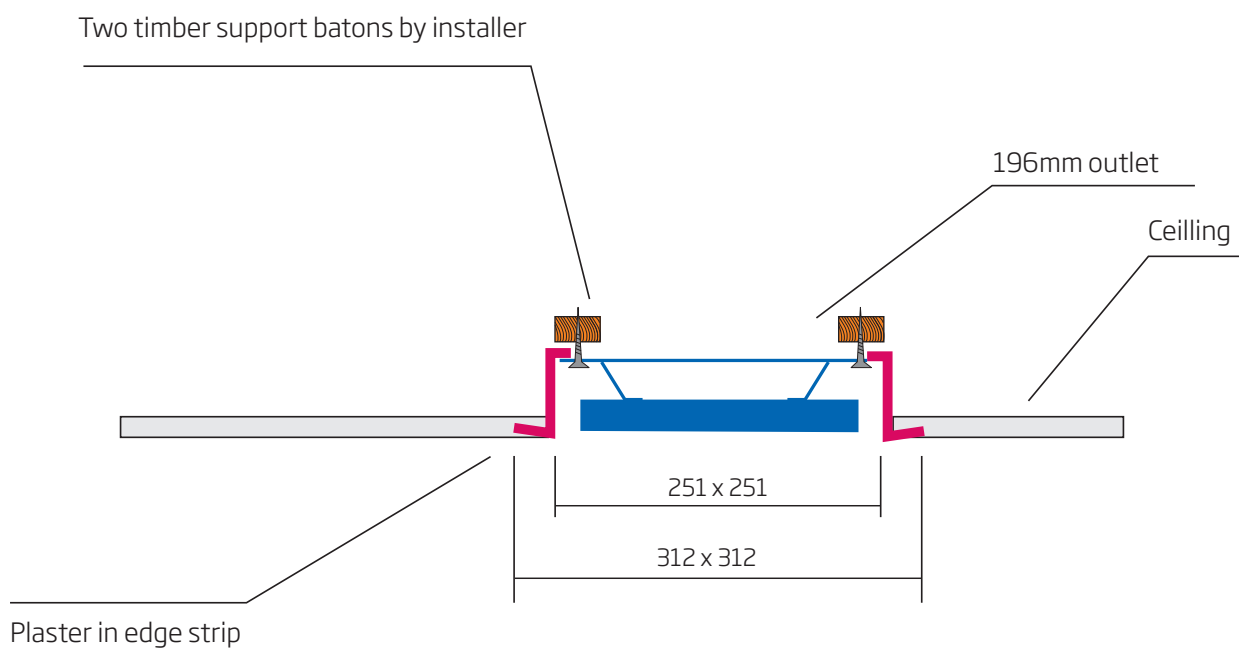
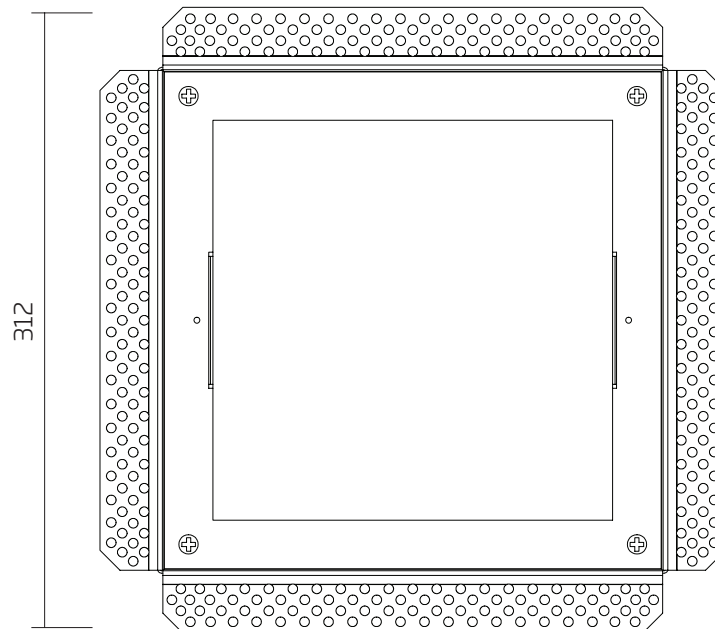
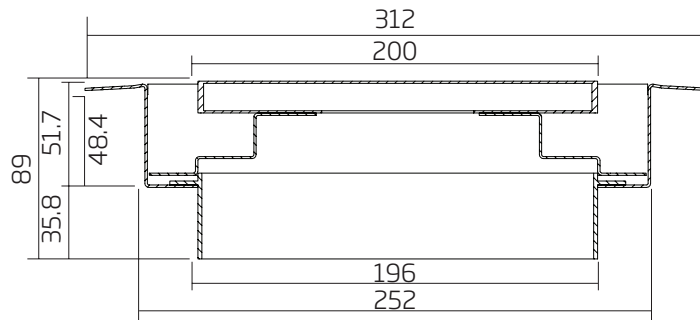
BRW650, BRW652 - Diffuser



Two timber support batons by installer



BRB750, BRB752 - Diffuser



7. Measurements

Motor

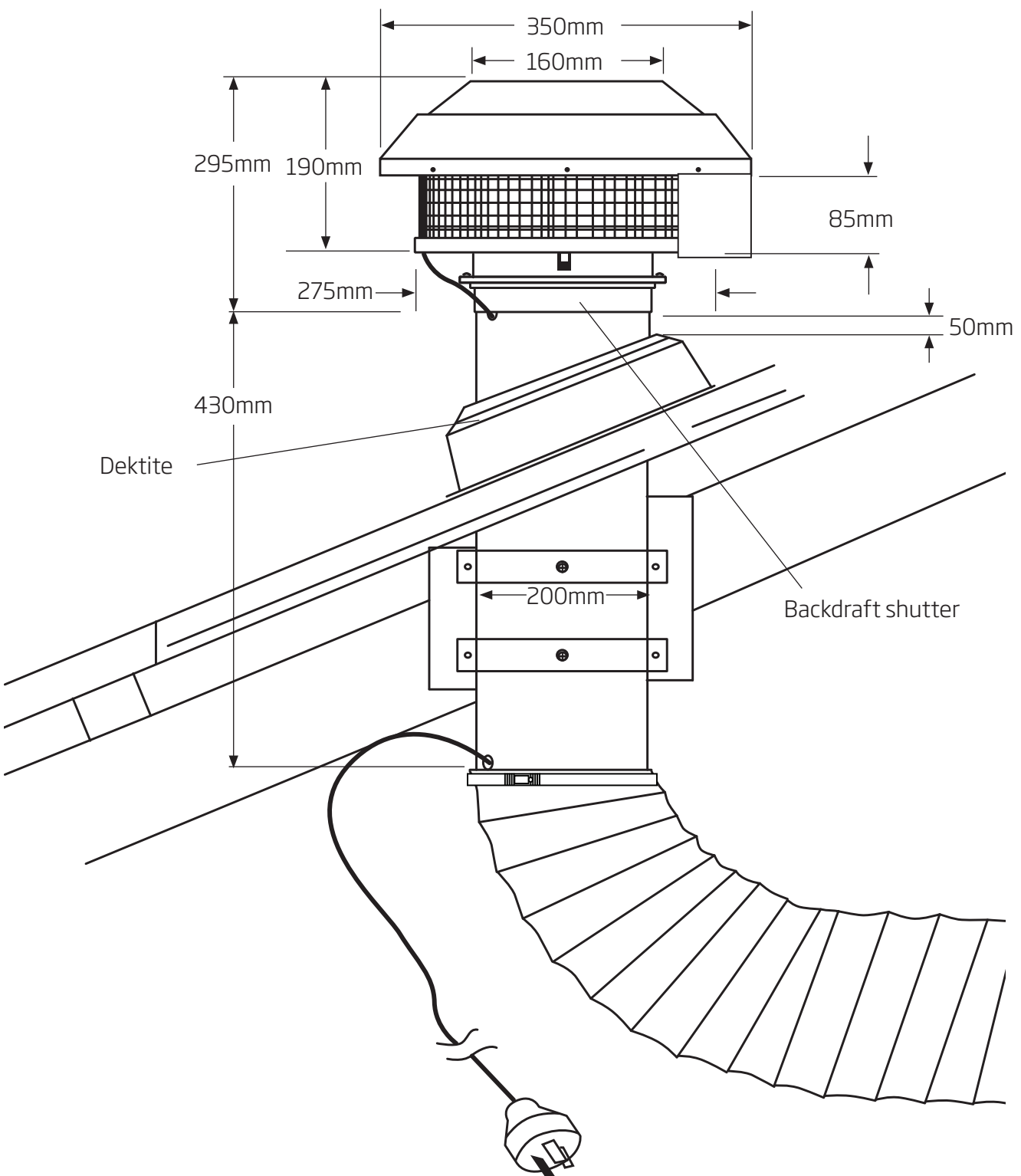


Figure 9 Measurements for motor

Calling the Technical Assistance Service Hotline

In the event that the failure is not due to the faults mentioned in Trouble Shooting, contact Customer Service.

In Australia, Customer Service 1300 881 693

In New Zealand, Customer Service 0800 200 510

Lodging an online Service Request

In the event that failure is not due the reason/s in the trouble shooting section, you can lodge an online Service Request.

To lodge a Service Request, visit our website www.schweigen.com.au/pages/support/service-warranty and click on the link to download the service request form.

A service request will require the following information:

- The purchase date
- The product model and motor type
- The product serial number or batch number (for applicable models)
- A copy of the purchase receipt (without a receipt your service request cannot be processed)

Faulty Installation

It is not the responsibility of Schweigen Home Appliances to rectify any incorrect installations. A service call out fee will be charged for any Schweigen technician that attends a call, whereby it is established that the fault is due to an incorrect installation or non-manufacturing fault. Should the appliance be installed in such a way that the service agent is unable to gain access to the appliance, the person/s who own the premises where the appliance resides – will be responsible to provide access to the appliance at their expense.

WARRANTY (See insert for more information)

Motor has a 5-Year replacement product warranty. This is a change over warranty. The consumer is responsible for any charges associated with removal of the faulty unit and installation of the new unit. The customer is also responsible for any freight charges incurred in the change over process. To view the latest Warranty terms, please visit schweigen.com.au/support/service-and-warranty.

Disclaimer

Under our policy of continuous product development, product specifications may change without notice. Prospective purchasers should therefore check with the retailer to ensure this publication correctly describes the products being offered for sale. All information supplied is to be used for general reference purposes only and is on the understanding that Schweigen Home Appliances will not be liable for any loss, liability or damage of whatever kind arising as a result of any reliance upon such information. All pictures used in the guide are for illustrative purposes only.



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