

INSTALLATION GUIDE

BL500 / BL502

BLW600 / BLW602

BLB700 / BLB702

Scan for more
product details



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 V2 14/10/25

schweigen

www.schweigen.com.au

1. Welcome

Thank you for purchasing your new Schweigen inline exhaust fan system.

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

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 system.

Please 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, neither 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 system use for bathroom and general home extraction.

Motor Features

- Universal mounting for all positions with a IPX6 degree of weather protection
- Airflow is dependant on the installation and the ducting used
- Operating temperatures is from -40°C to +60°C, Operating humidity from 0% to 90% RH
- Using a single 150mm flexi duct run, should attain 750m³/hr depending on the ducting installation
- The use of a smaller than 150mm ducting will result in a loss of airflow
- The Inline motor is a highly efficient PSC motor and rated at 83W
- **WARRANTY 3 YEARS** return to manufacturer. Covers faulty manufacturing or components. It does not cover normal wear and tear.

General Notes on Installation and Use

This Inline motor is designed for vertical or horizontal mounting.

This motor is suitable for connection to multiple duct runs with a minimum inlet area of 11,000 mm². Ducting runs should be more than 2 metres away from the unit and no more than 6 metres (check with supplier if longer duct length is required). Flexible ducting must be extended sufficiently to present a smooth air passage with bends of at least the radius of twice the diameter of the duct.

WARNING: The exhaust fan must not be ducted 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

To make sure the system achieve a balance between noise level and airflow performance, **4 metres** is recommended from motor to diffuser.

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

2. Your Safety

Avoidance of Back Flow

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

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 amplified out the other.

Warning: Installation without the use of at least the minimum recommended length of acoustically matched flexi-ducting will void performance expectations. Any installation problems shall 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**.

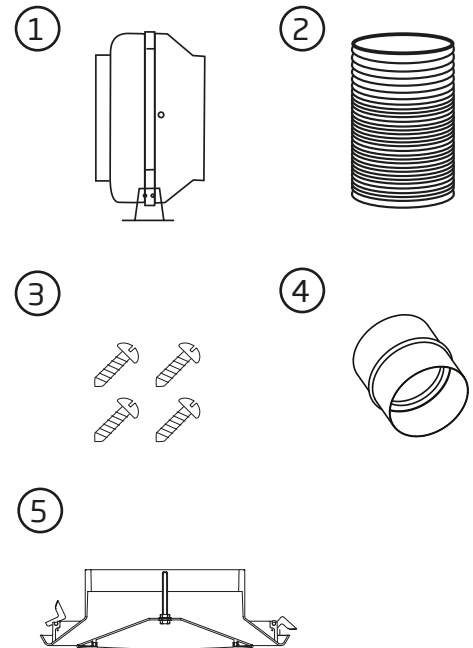
BL500, BLW600, BLB700

Included in the box:

1. IL750 motor
10amp cable and standard plug
2. Flexible ducting. Approx. 6 metres long
150mm diameter
3. Mounting screw pack
4. 150mm inline backdraft shutter
5. Diffuser (see page 15, 16, 17 for more information)

Not included in the box:

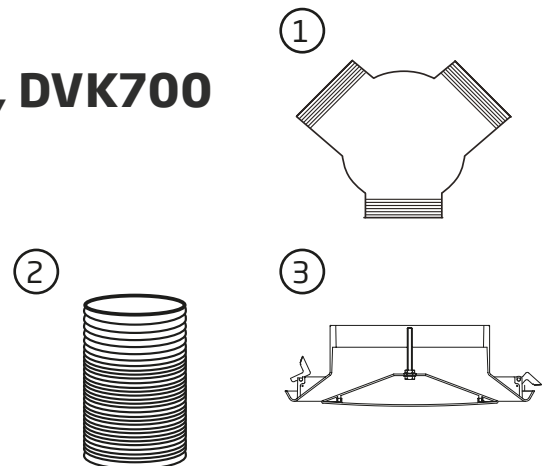
- 150mm vent - optional



Kits for 2 Rooms - DVK500, DVK600, DVK700

Included in the box:

1. Y-Branch (150mm x 150mm x 150mm)
2. Flexible ducting. Approx. 4 metres,
150mm diameter
3. Diffuser (see page 17, 18, 19 for more information)



4. Installation

Inline Motor System Installation

For ease of installation, the inline motor can be fixed inside the roof cavity in different ways, providing the inline motor is protected from the elements. The motor uses mounting brackets to fix it securely to the predetermined location and this location must be accessible. To mount the motor, drill the holes in the mounting surface to match the 4 fitment holes of the fixing brackets, and then fix the motor with the screws.

After deciding the location of the motor (recommended 4 metres from the diffuser), the motor should be mounted as close as possible to the venting point (make sure enough space for inline backdraft shutter), while still providing access to perform maintenance.

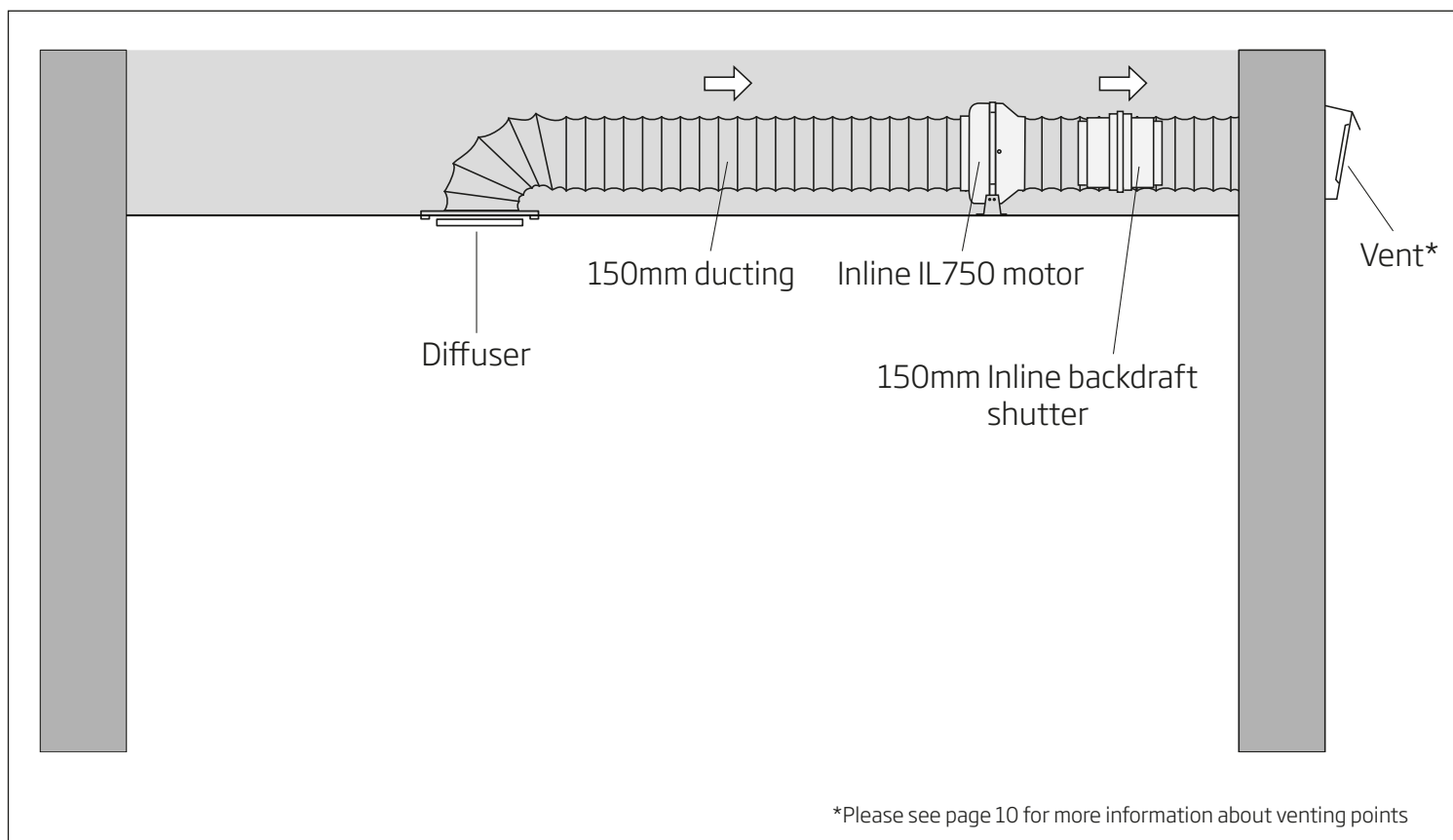


Figure 1 Inline motor system

Best Position for Diffuser

Mechanically exhausted air needs to be replenished with dry fresh air, and this can be achieved by the gap under the door or a grille in the door.

The diffuser should be installed as high as possible and placed opposite the air intake, which is usually found at the bottom of the door. Figure 2 shows the recommended positioning of air intake and exhaust points to ensure proper cross ventilation. To avoid short-circuiting and stagnant areas, the air exit should ideally be on the opposite surface to the air entry.

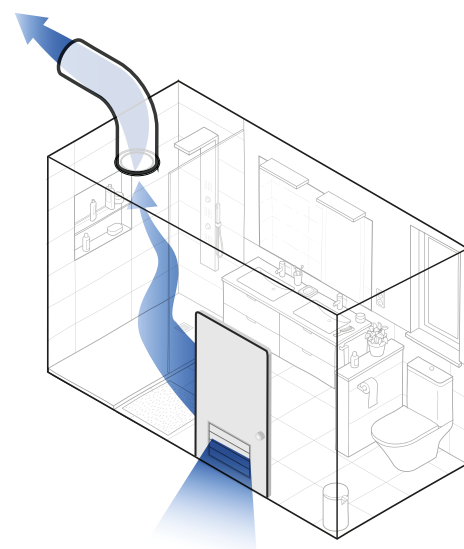


Figure 2 Cross ventilation

Options for Mounting the Inline Motors

The inline motor is designed for vertical or horizontal mounting. Airflow in the system must be in compliance with the direction of the arrow on the fan casing. Install a hood on outlet (discharge) spigot side in case of the vertical fan installation.

The motor should ideally be located closer to the venting point for minimum noise level inside the room.

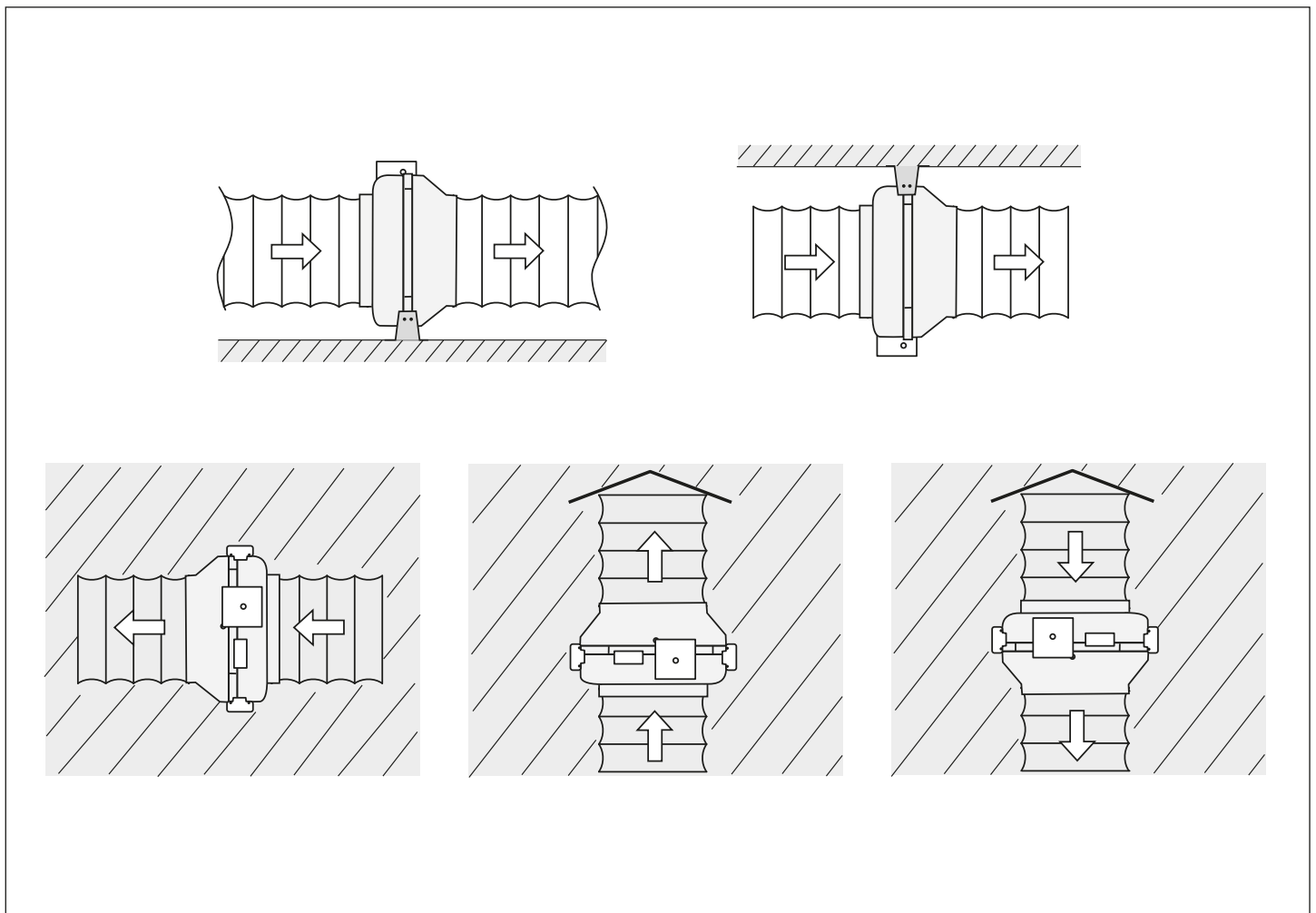


Figure 3 Options for mounting the inline motors

4. Installation

Options for Mounting the Vents (Optional**) Outside

Three types of vents can be mounted for roof, eave and wall respectively to suit every style of home. In large buildings, the exhausted air may be vented to central air outlet.

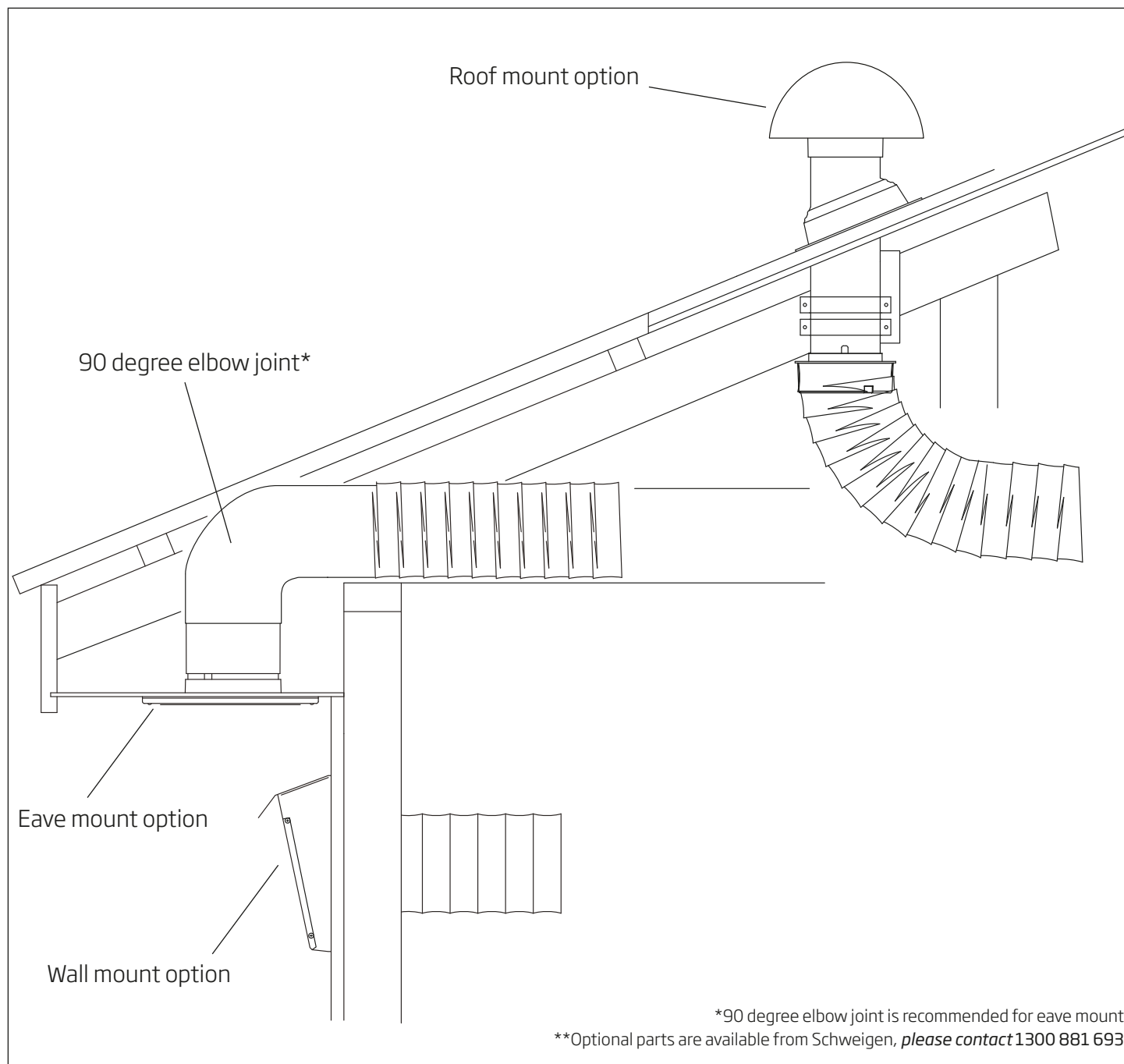


Figure 4 Options for mounting the vents outside

BL502, BLW602, BLB702 Dual Diffuser System and Optional DVK500, DVK600, DVK700 Installation

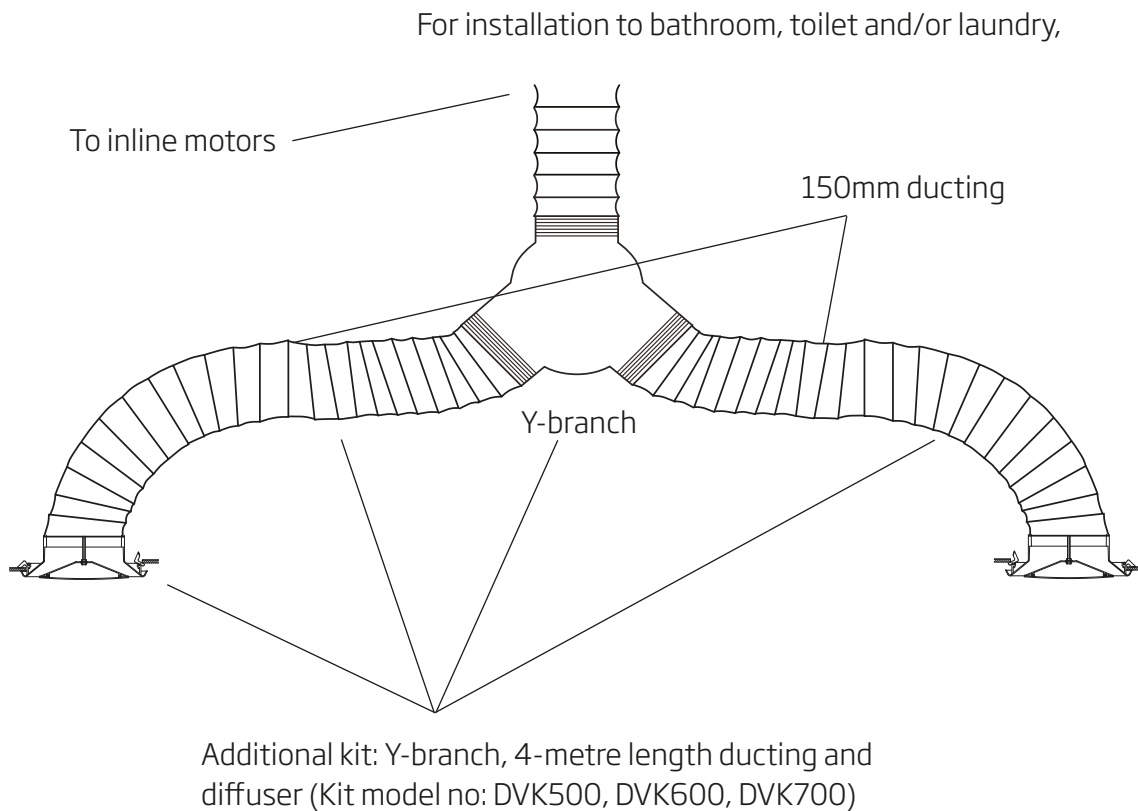


Figure 5 Ventilation Option for Dual Diffusers



IMPORTANT

- Do not reduce the ducting size. 150mm must be used. Reducing the ducting will reduce extraction
- No sharp bends in the ducting
- Do not kink the ducting
- Do not use semi-rigid or solid ducting

5. Back Draft Shutter System

Inline Backdraft Shutter

The inline backdraft shutter should be mounted on the outlet (discharge) side of the inline motor. Please refer to the direction of the arrow on the fan casing.

Horizontal Installation

Figure 6 shows an example of horizontal installation.

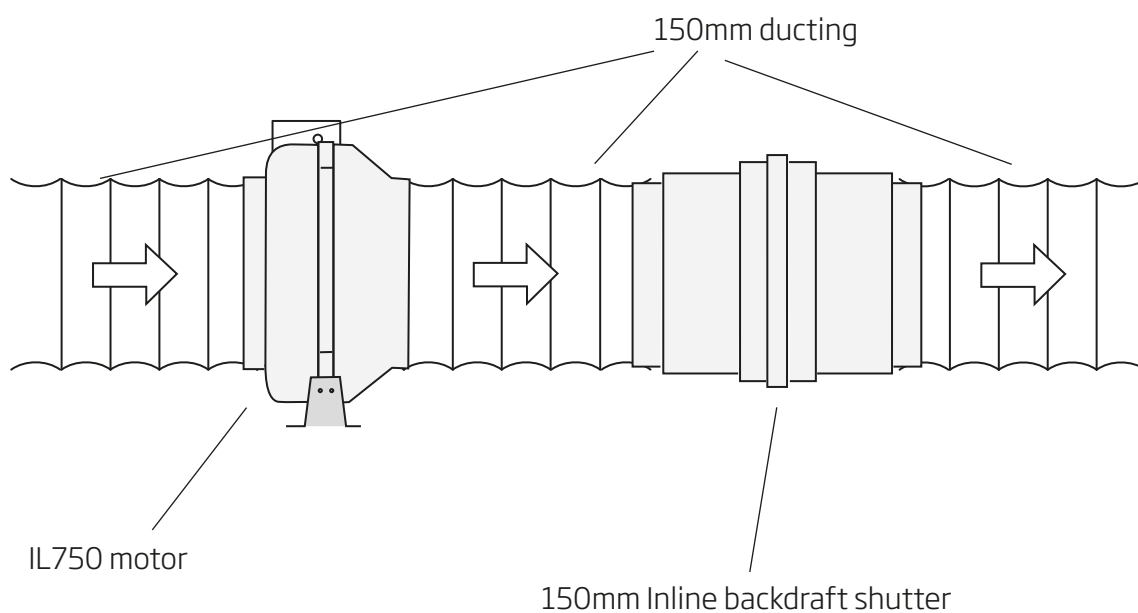


Figure 6

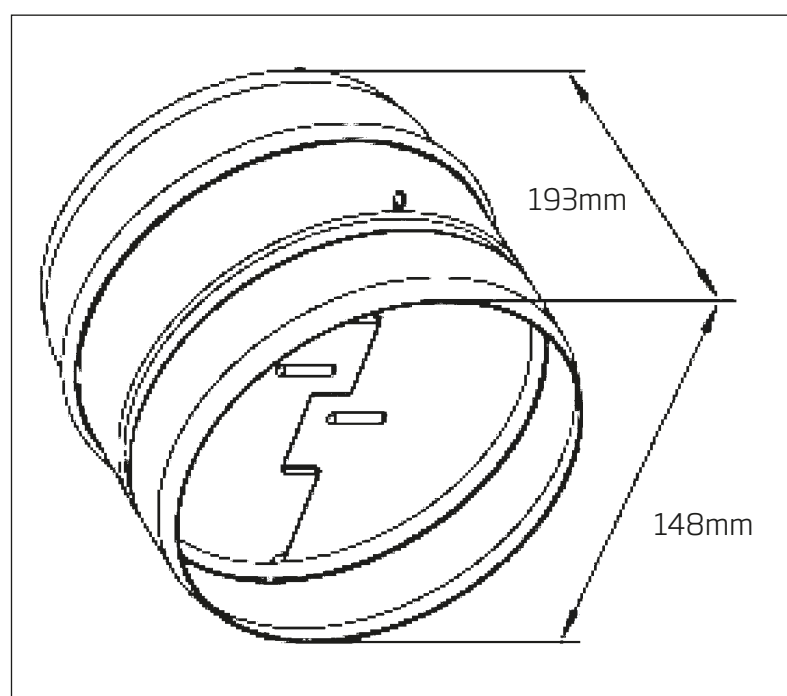
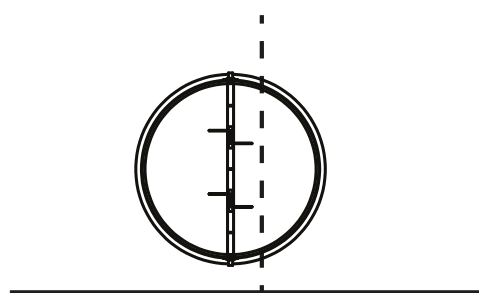


Figure 7



IMPORANT

If shutter system is mounted in the horizontal position, shutter shaft should be vertical.

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 a qualified technician. An experienced installer list can be obtained from Schweigen website www.schweigen.com.au.

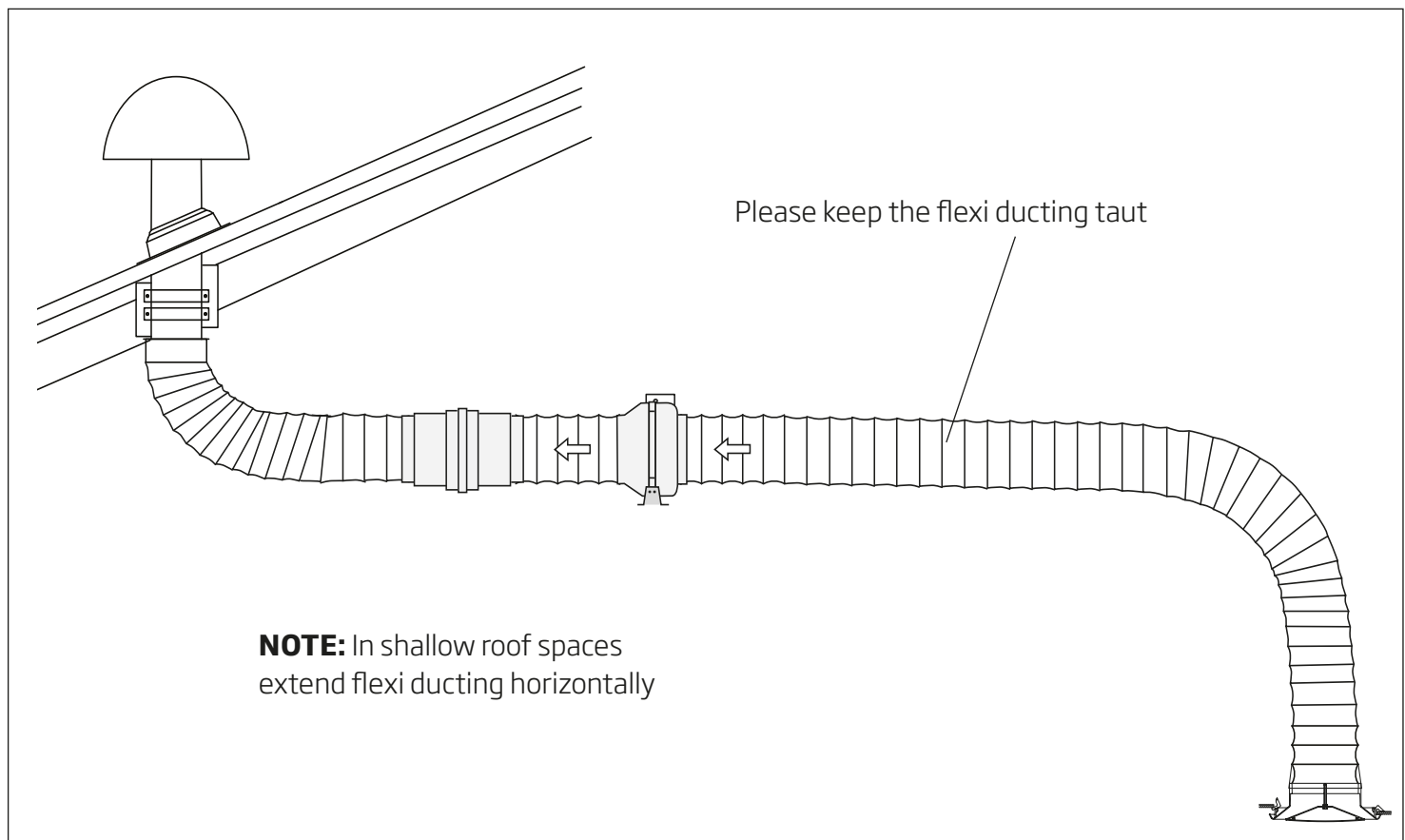
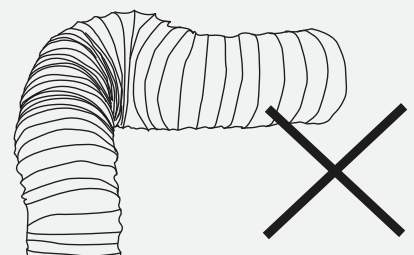
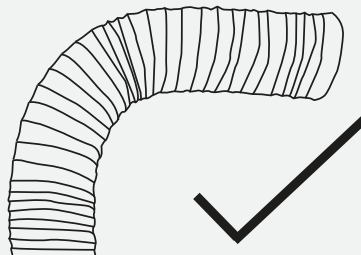


Figure 8 Flexible Ducting



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.



6. Flexible Ducting

Shallow Roof Space

In shallow roof spaces, 90 degree elbow joint can be used as a substitute for the bend in roof venting installation.

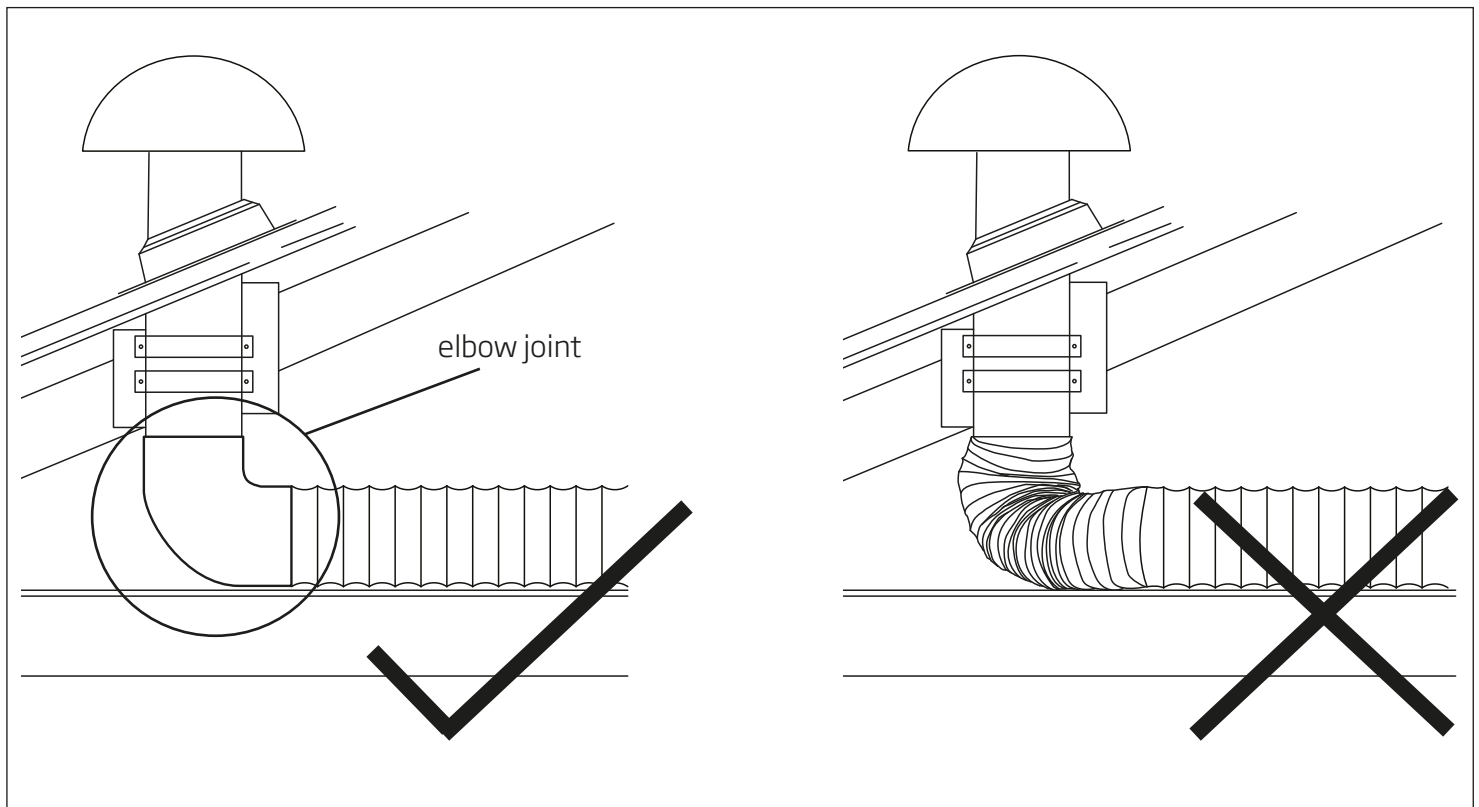
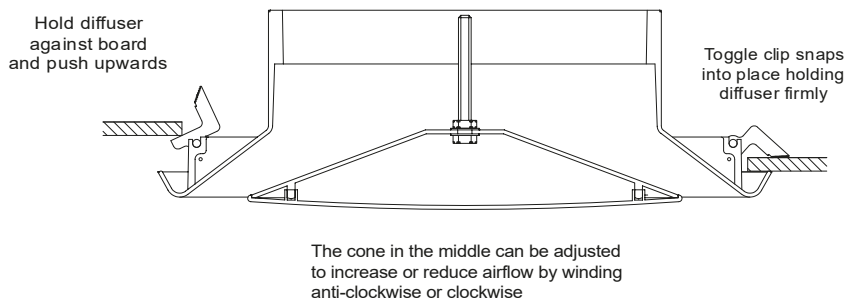
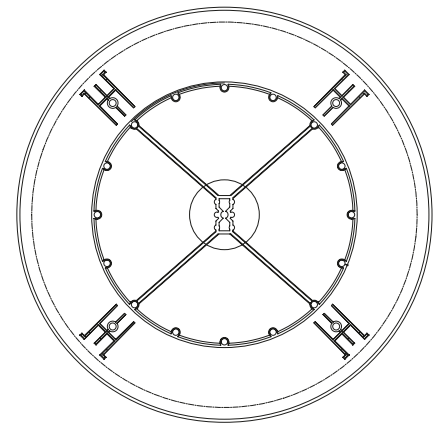
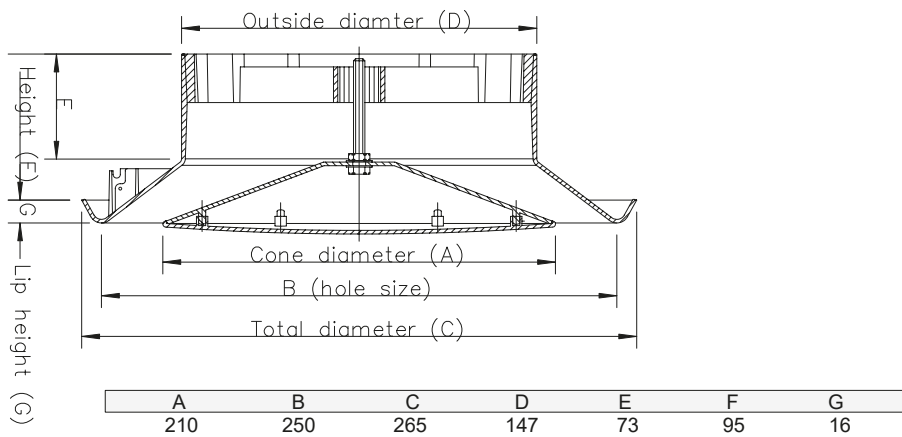


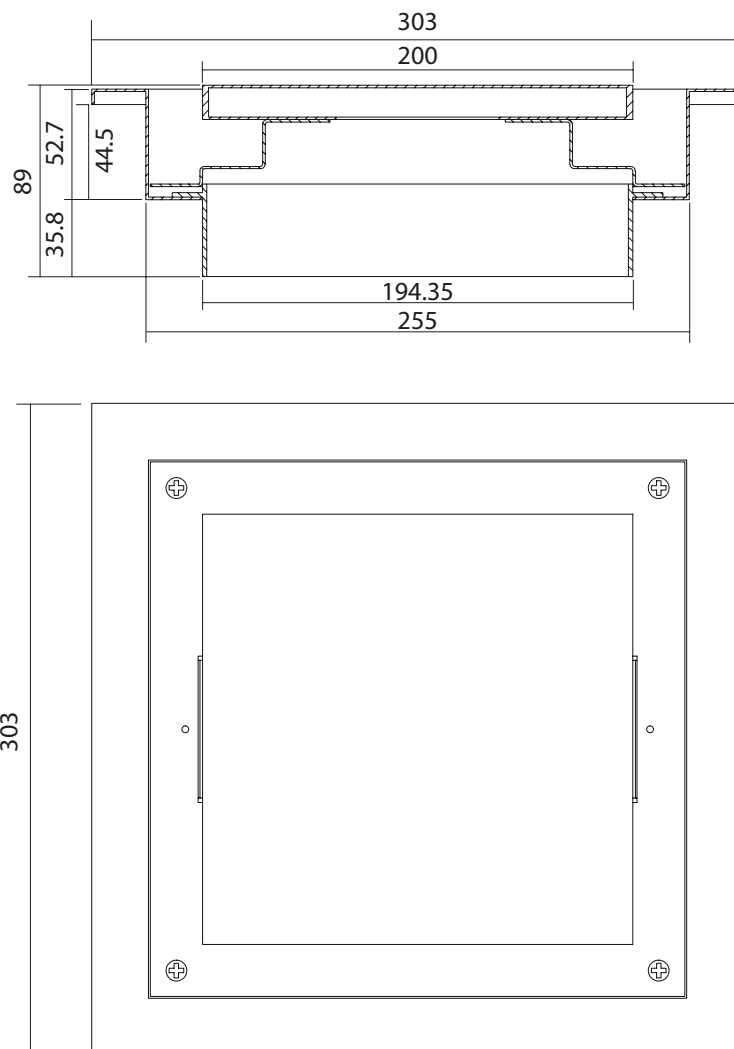
Figure 9 Shallow Roof Space

BL500, BL502 - Diffuser

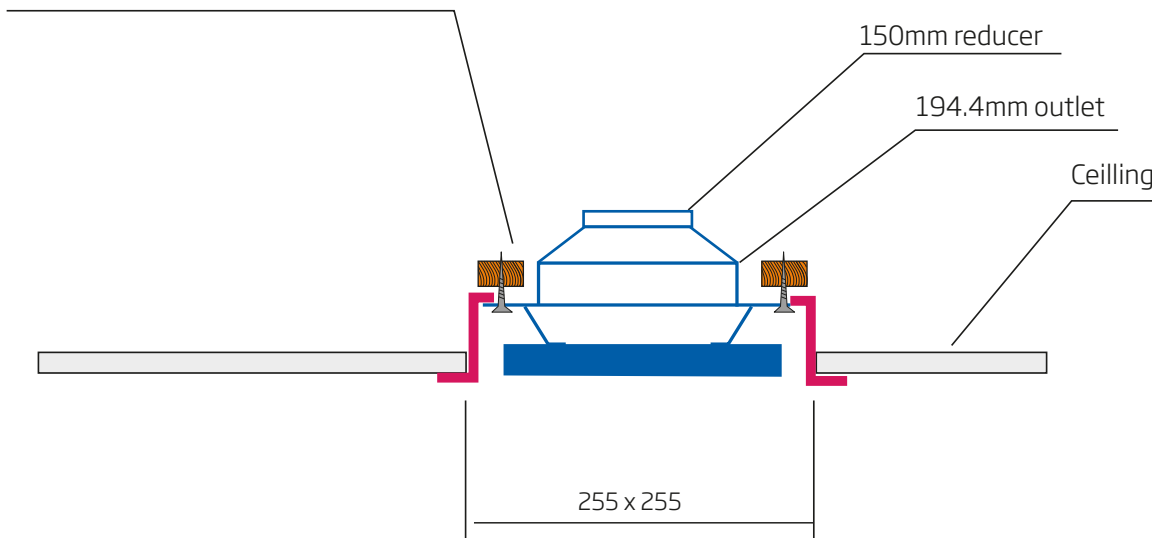


7. Dimensions

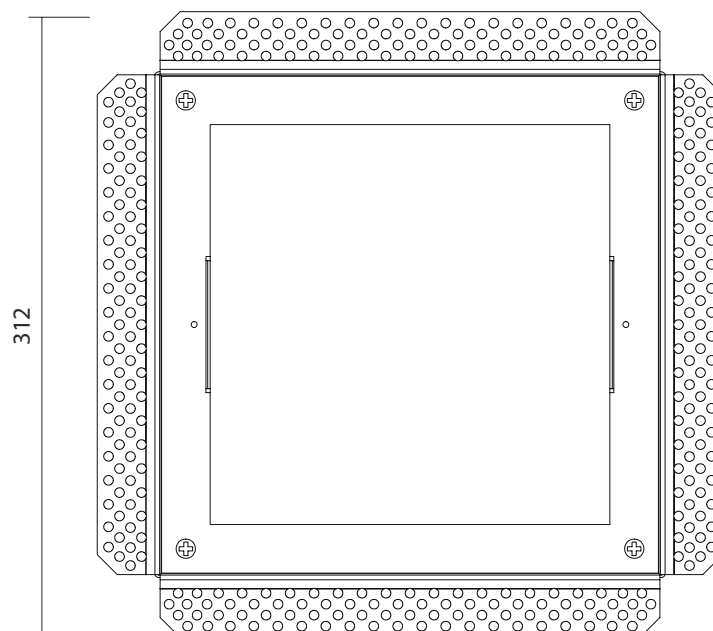
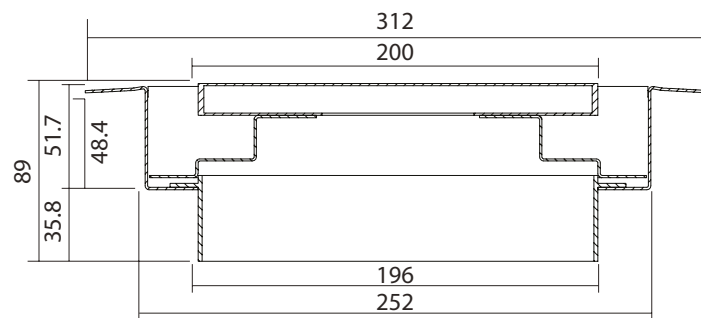
BLW600, BLW602 - Diffuser



Two timber support batons by installer



BLB700, BLB702 - Diffuser

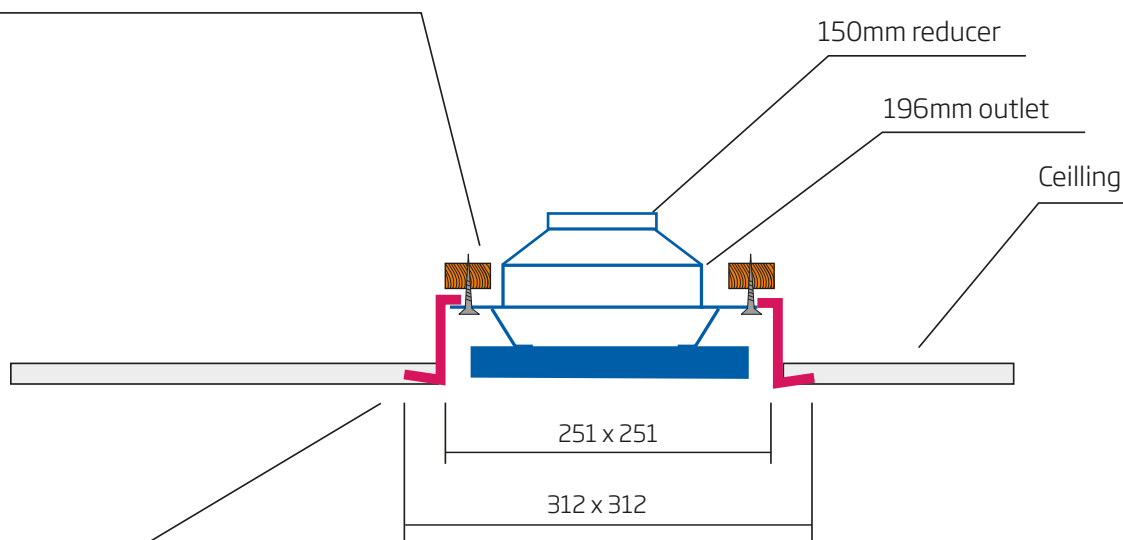


Two timber support batons by installer

150mm reducer

196mm outlet

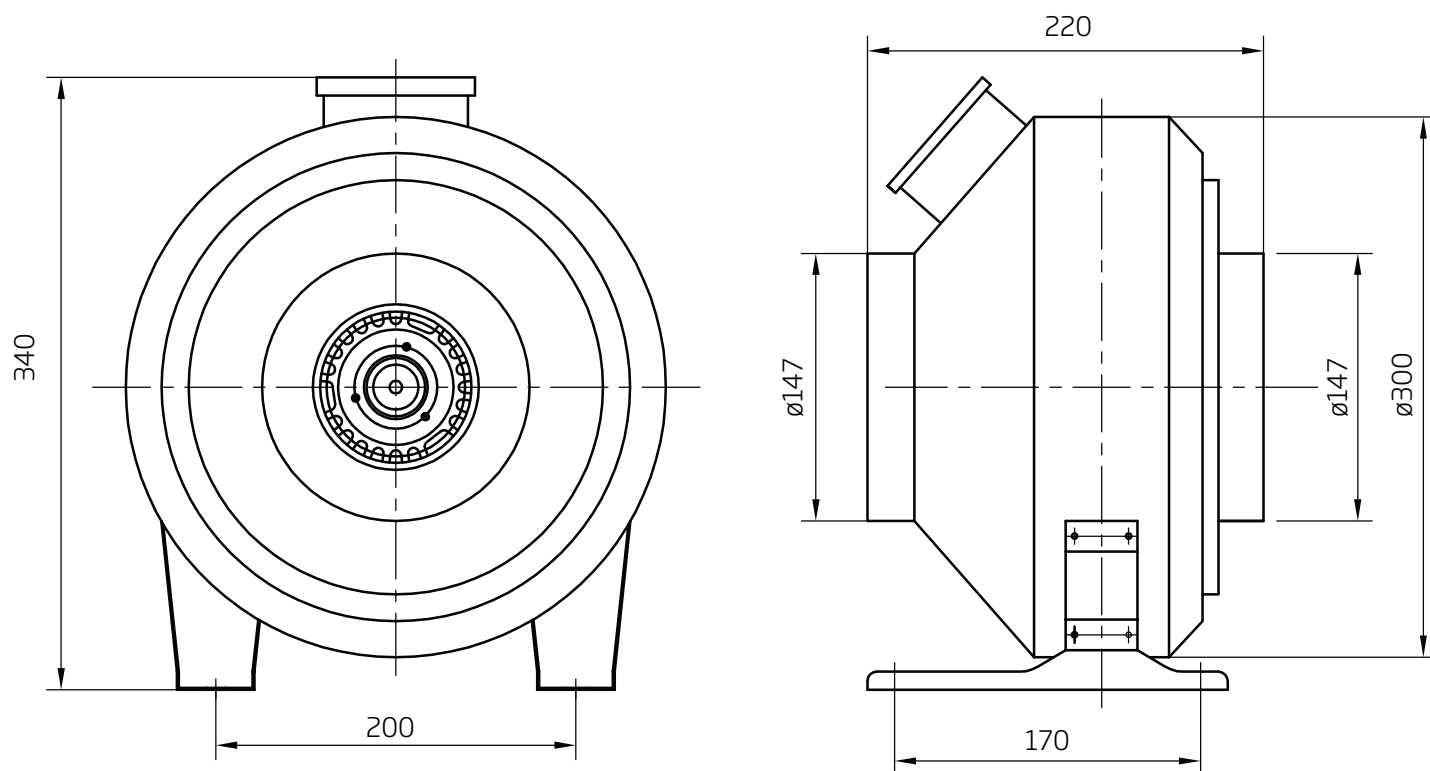
Ceilling



Plaster in edge strip

7. Dimensions

Inline IL750 motor



Technical Specifications

Model	IL750
Feeding Voltage	220-240V 50Hz
Rated Power	83W
Rated Speed	2470r/min
Rated Airflow	750m ³ /h

Calling the Technical Assistance Service Hotline

In the event of failure, please contact Customer Service.

In Australia, Customer Service 1300 881 693

Lodging an online Service Request

In the event of failure, 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 3-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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