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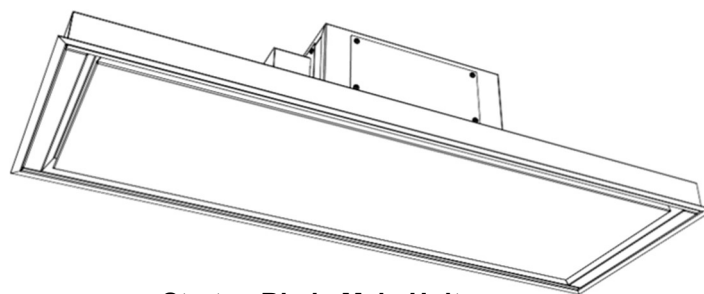
STRATUS BLADE – EM Ceiling Built-in Unit

(Remote Motor Version)

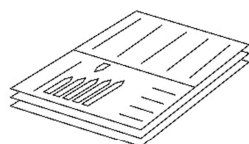
Installation, Operation and Maintenance

Unpacking

Remove all items from the packaging. Retain the packaging.
If items are missing or damaged, please contact Westin for assistance.
The following items are included:



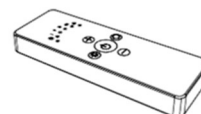
Stratus Blade Main Unit



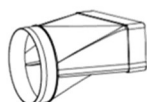
Documentation:
This Manual,
Warranty Card,
Product Fiche and Energy



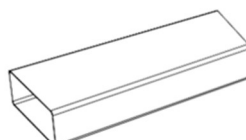
4x Fixing Hole Cover Caps



Remote Control Console



**220 x 90mm to 150mm
Round Duct Adaptor**



**Rigid 220 x 90mm
Duct (500mm Section)**



**Flexible 220 x 90mm
Duct Connector**

W S Westin Ltd
Phoenix Mills, Leeds Road, Huddersfield, HD1 6NG, UK
Tel: 01484 421585 Fax: 01484 432420 Email:
sales@westin.co.uk
www.westin.co.uk

Ceiling Built-in Unit:
STRATUS BLADE – EM (Remote Motor Version)
Installation, Operating & Maintenance Instructions



1. INTRODUCTION

During the cooking process, there will be heat, vapours and fumes produced. Your *Westin Ceiling Extractor* has been designed to complement your kitchen, both in looks and performance, in order to create a good environment for creative cooking.

2. IMPORTANT INFORMATION

The exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances supplied with energy other than electricity e.g. oil- or gas-fired central heating boilers, gas-fired water heaters, etc.

Requirements of the relevant authorities concerning the discharge of exhaust air must be complied with.

WARNING.

Proper care must be taken to ensure that the negative pressures caused by high performance extraction systems do not adversely affect the safe operation of certain types of fuel-burning appliances (gas, oil or solid fuel), including those installed in the kitchen and possibly also those installed in other parts of the house.

Where such fuel-burning appliances are installed, adequate ventilation **MUST** be provided in the room of installation, located and sized such that the negative pressure in the room created by the extractor does not exceed 4Pa.

In case of doubt, do not operate the extractor and fuel-burning appliance(s) simultaneously and consult an appropriate (for the fuel type) expert for advice.

ELECTRICAL SAFETY.

This appliance requires an earth connection.

Ensure that the supply voltage corresponds to that marked on the rating label inside the extractor.

The extractor must be isolated from the electrical supply before carrying out any cleaning or maintenance operations.

Pay particular attention to fire risk when frying. To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

Do not flambé under the extractor.

The clearance between the hob burners and the bottom surface of the extractor must be at least 750mm to prevent overheating of the extractor and its components.

Please also note that a 90° bend in flexible ducting will require 215mm minimum headroom to give a smooth radius with no kinking.

You are advised to install measures designed to reduce the incidence of cold draughts entering the property via any ductwork.

- For extractors with inline motors, an external duct termination with integrated non-return flaps (e.g. gravity shutter wall grille/louvre) and/or an inline backdraught shutter should be used.
- For wall-mounted motors, an inline backdraught shutter is recommended.

3. EXTRACTION PERFORMANCE

As its name suggests, this type of extractor is designed to fit into the ceiling void, with only the underside and outer flange visible when installed.

Because fumes spread out as they rise, a unit larger than the hob area is desirable, although not always possible. The perimeter extraction system is designed to conceal the grease filters and to minimise fume escape. Warm cooking fumes that do escape tend, initially, to accumulate in the highest part of the room, so situating the unit at the highest point is of benefit. It will perform best when it is situated directly over the hob.

The primary influence on the overall performance of the extractor is the design of the ducting which takes the exhaust air from the extractor to the outside. The duct route should be of prime consideration during the initial stages of the kitchen design (Westin do not recommend recirculating air back into the kitchen).

Please note the following:

- Easy access to the duct route during installation is important. Lack of access may require the “blind” fitting of flexible ducting (with increased risk of unseen kinks and impaired efficiency).
- **The extractor is provided with a spigot suitable for connecting 220 x 90mm rectangular ducting.**

Parts enabling the connection of the unit to 220 x 90mm rigid ducting or 150mm diameter round ducting are provided.

- **Note:** the cross-sectional area of 150mm diameter duct is the minimum area consistent with efficient extraction.
- Rigid 220 x 90 flat channel or rigid 150mm round ducting (available from *Westin*) will perform best. Semi-rigid round duct (not flexible foil or PVC) is a reasonable alternative and can be formed into bends as necessary. Flexible ducting is economical but its use should be minimised as it gives the worst performance and should only be used for short runs and be pulled taut to prevent significant losses in extraction efficiency.

A flexible 220 x 90 duct connector is included with your extractor for the initial connection between hood and fixed duct work. This is required when blind-fitting the extractor into a closed ceiling.

Good quality duct tape (not included) must be used instead of sealant to seal duct components, so they can be separated should that become necessary.

- For maximum efficiency, ducting should be kept as short as possible and as straight as possible with a constant cross-sectional area being no less than that recommended by Westin. Bends in the duct will also degrade performance so the number of bends in a duct run should be kept to a minimum and be gradual and smooth to prevent turbulence. Avoid kinks in flexible ducting; pull flexible ducting taut over straight runs to ensure that the internal surface is as smooth as possible.
- The most efficient configuration is to duct straight through an outside wall, so try to position the cooker against an outside wall when designing your kitchen.
- **Your extractor can be set to vent to the rear, front, left or right.** Use the exhaust position which gives the shortest achievable duct route and least number of bends. Joist positions will often determine what is achievable.

Ceiling Built-in Unit: STRATUS BLADE – EM (Remote Motor Version) Installation, Operating & Maintenance Instructions



4. INSTALLATION

The extractor is designed for installation within a cut-out in the underside of the kitchen ceiling. Alternatively, it may be installed within a lowered bulkhead or furniture soffit panel, but remember it is desirable to install directly into the ceiling where possible (see section 3).

Dimensioned drawings and illustrations to help with your installation can be found on page 6 onwards.

Please note the following:

- The extractor comprises of two main parts:
 - The “*top box*”, which houses the duct spigot, hood electronics and electrical connection points for your remote motor.
 - The “*baseplate*”, which houses the visible parts of the product when installed, such as LED light bars, grease filters, door panel assembly and outer frame.
- The Stratus Blade “top box” has 4 possible duct spigot positions (Left, Right, Front, or Rear).

The ducting spigot must be set to the required outlet position prior to installation.

- The extractor has four hidden fixing holes, accessible via 20mm access holes set into the baseplate corners. These can only be accessed with the door panel open.

Black cover caps are provided which press into and close off the fixing hole access points after installation.

4.1. Prepare Your Opening

Prepare the opening into which the unit will be installed.

Unit Size (mm) (Width x Depth x Height)	Cut-out Size (mm) (Width x Depth x Height)
1180 x 420 x 200	1160 x 400 x 205

Please refer to the drawings on Pages 6 - 8 for the detailed product design information you will need to plan and build a suitable opening.

Reinforce the opening as necessary and make sure suitable provisions are made to take the screws which will hold the unit in place (see below) and for any ductwork to pass through.

The provisions made for the screws which will support the extractor:

- **Must be strong enough to support a total weight of 30Kg.**
- **Must be recessed so that the surface you screw into is 70mm above the finished ceiling surface.**

Tip: Because much of the baseplate only intrudes into the ceiling by 62mm, for installations where the unit runs across joists or ceiling voids are insufficient, consider whether the ceiling can be lowered slightly to avoid boxing down or complex joist alterations.

4.2. Ducting Requirements and Installation

Depending upon your site, ducting may need installing before, or in conjunction with the preparation of your ceiling opening.

Install ducting, taking note of the advice given in section 2 & 3.

To help with your installation, a 500mm length of rigid rectangular 220x90mm ducting, a flexible rectangular 220x90mm connector and a flat channel to 150mm round adaptor are included with your hood.

Not all parts are needed with all installations but unused parts should only be discarded after the installation is complete.

Regardless of the duct type being used for the majority of your duct run, you must terminate fixed ducting in the kitchen with 220x90 flat channel so that the flexible connector included can be used when installing the extractor. This is important because these extractors are usually blind-fitted and must be removable without disturbing the fixed ductwork should servicing become necessary. The parts included with the extractor should be sufficient for you to do this.

For the rest of the duct run, we recommend using rigid flat channel 220 x 90mm ducting, rigid 150mm round or semi-rigid 150mm round duct, to best suit your particular site conditions.

Illustrations showing the ducting arrangement needed to allow connection of the hood to your ductwork can be found on pages 7 - 8

Proceed as follows:

- **Cut the 500mm piece of rectangular ducting (included with extractor) into a 100mm and 400mm long piece.**

The 100mm long piece will be used later to connect the flexible connector to the extractor spigot.

The 400mm long piece can be attached to the round adaptor if you plan to install round ducting.

- **Install fixed ducting such that it terminates in the kitchen with a 220x90 flat channel duct section centred 450mm away from the centre point of the extractor (see IMPORTANT NOTE below).**

If installing round ducting, then the 400mm piece of rectangular ducting you cut earlier can be used with the round adaptor to give you your rectangular termination.

IMPORTANT NOTE

If using the front or rear spigot positions, this means that your 220x90 flat channel duct must terminate above the finished ceiling and be set back 250mm from the long edge of your opening.

If using the left or right spigot positions, this means that your 220x90 flat channel must protrude into your ceiling opening and terminate 130mm in from the short edge of your opening.

- **Attach the flexible rectangular connector (included with the extractor) to the rectangular end of your duct,** so it hangs through the ceiling opening, ready for connection to the extractor during installation.

When terminating ducting on an outside wall, a suitable weather louvre should be used. Ducting components and complete kits are available from Westin for most installations.

For roof or chimney duct terminations, please contact Westin or seek alternative specialist advice.

If you are fitting a wall-mounted external motor with semi-rigid or flexible ducting, then you must leave a short length (approx. 200mm) of ducting proud of the wall, to enable connection to the motor spigot before pushing both back flush with the wall.

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Standard external motors come with a cable that must pass through the wall and run back to the extractor alongside the ducting.

We therefore recommended oversizing duct holes by at least 25mm to allow for cables and easier duct installation.

4.3. Changing the Duct Spigot Position.

Your extractor ducting spigot can be set to vent to the Left (factory default), Right, Front or Rear.

Note: The front of the unit is the side closest to the magnetic catches.

There is no top outlet, so if you wish to vent upwards you will need to put a bend in your ducting.

To change the spigot position, proceed as follows:

- Carefully place the extractor on its face so the top box assembly is accessible.

Tip. To prevent damage to visible surfaces when working on the extractor, use the internal packaging that came with it to keep surfaces off your work area.

- Each spigot position has 4 captive nuts into which can be bolted the rectangular exhaust spigot or a blanking plate.

Bolt the exhaust spigot assembly into the required location by swapping it with a blanking plate as necessary.

4.4. Opening the door panel.

The door is held shut with magnetic catches.

Open the door by grasping it close to the front corners (the front being the long edge closest to the magnets) and pulling to release it from the magnets. Take care not to let the door fall open freely, it should be supported and moved carefully into the open position.

4.5. Revealing the Fixing Holes.

The extractor is secured through 4 fixing holes located close to each corner of the upper baseplate surface. These are accessible via 20mm access holes set into the lower baseplate surface (see diagrams on Page 6 Onwards for detail).

The fixing holes are only accessible with the door panel open.

Black cover caps are provided which press into and close off the fixing hole access points after installation. If these are already installed, they can be pulled out to reveal the fixing holes behind.

4.6. Remote External Wall and Inline SEM Motors.

Extractors made to operate an inline or external SEM remote motor have a grommet on the left of the top box to pass the remote motor cable through. Inside the extractor (behind the grease filters), there is a black plastic terminal box containing electrical terminals for connection to the remote motor cable. This box is referred to as the remote motor terminal box.

Run the remote motor cable such that sufficient hangs down through the ceiling opening to allow you to easily feed the cable into the extractor during installation and make electrical connections within the remote motor terminal box.

Each terminal inside the remote motor terminal box has one side connected to a coloured wire. The remote motor cable has correspondingly coloured wires and these are connected to the empty terminals such that corresponding colours are opposite and connect to each other; i.e. red connects to red, blue to blue, and so on...

Not all terminals will be used as each remote motor type is configured differently.

No separate power supply is required for the external motor.

An electrician (or Part P registered electrical installer) should undertake any work associated with the electrical installation of SEM remote motors.

Please refer to the REMOTE MOTOR ILLUSTRATIONS on page 9 for more information.

If you need to extend the remote motor cable, then cable extension kits can be purchased from Westin. Alternatively, it can be extended using 7 core x 0.5mm flex. It is vital to ensure that any new cable is inserted such that the core colour integrity is maintained; i.e. a core that started as red must terminate as red, blue as blue, purple as purple, and so on...

Your remote motor should be installed in accordance with the installation instructions that accompany it. It must be installed in an easily accessible location for future maintenance. Westin are not responsible for providing the means of access (e.g. scaffolding or any alterations to the building and/or furniture necessary to make access possible) in the event of any maintenance requirement.

4.7. Electrical Installation

**ELECTRICAL HAZARD.
DISCONNECT ELECTRICAL SUPPLY
BEFORE PROCEEDING FURTHER**

The extractor is a fixed electrical appliance and must have a provision for isolating the electrical supply via a switched-fused spur located in an accessible position within the kitchen. A qualified electrical technician must perform the installation of the electrical supply to the extractor.

The hood must be fed from a dedicated 230Vac single phase electrical supply terminated with a switched spur fitted with a 3A fuse. The switch should be located so that the supply can be disconnected from the extractor using the switch at any time following installation (the switch must be accessible). The means of disconnection from the supply must have a minimum contact separation of 3mm in all poles. Alternatively, a means of disconnection in the fixed wiring according to the relevant wiring rules must be fitted.

A supply cord for connecting the extractor to the spur is included. The mains supply is connected to the free end of this cord as follows:

INCOMING SUPPLY CORD CONNECTIONS	
Core	Core Colour
Live	Brown
Neutral	Blue
Protective Earth	Green/Yellow

For your convenience during installation we recommend terminating the electrical supply from the switched-fused spur with a standard UK 3 pin 240V socket positioned close to the extractors intended location. The extractor's electrical supply cord can then be fitted with a standard 240V 3 pin plug for easy connection to the supply during installation.

Make sure the switched-fused spur supplying the extractor is in the 'off' position before connecting the appliance to the electrical supply.

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4.8. Fixing the Extractor in Position.

Please note the following prior to commencing fixing the extractor in position:

- You will need at least two people to fit this extractor; to lift, hold and fix the unit in position. A third person is recommended to assist.
- A working platform or scaffold should be used so that the ceiling opening can be reached and the unit fixed without the use of ladders.
- Screws for fixing the extractor into position are not provided. You must use suitable fixings capable of supporting 30kg.

If you are screwing into timber, then you should use screws no smaller than 5mm (No 10) with a head diameter of 10mm or more and ensure that at least 35mm of thread is screwed into the timber and that the timber will not split when the screws are inserted.

- The unit will need supporting close to the opening when attaching the ducting and making electrical connections.

As described in 4.2 (Ducting Requirements), ducting should have been installed so that the rectangular flexible connector supplied with the extractor is present in the ceiling opening.

When planning and undertaking your installation, you must ensure the extractor can be removed, without disturbing fixed ducting or electrical installations should future servicing be required.

- Make sure the duct spigot is in the correct position and that the fixing holes do not contain the blanking inserts.
- Do not remove protective tape until after the installation.

Proceed as follows:

- Carefully place the extractor on its face with the top box assembly uppermost so electrical supply wire and duct spigot are visible.
- Attach the short 100mm piece of 220x90 rectangular ducting you cut earlier to the extractor spigot.
- **Support the extractor close enough to the prepared opening to make the electrical and duct connections.**

**ELECTRICAL HAZARD.
DISCONNECT ELECTRICAL SUPPLY
BEFORE PROCEEDING FURTHER**

- **Feed the remote motor cable through the grommet on the left side of the top box.**
- **Connect the electrical supply cord of the extractor to the spur.**
- **Lift the extractor carefully up to the opening, (angled so the spigot faces the flexible connector) and slide the free end of the connector onto the short piece of duct already on the spigot.**

Be careful when lifting the extractor not to hold onto or otherwise apply force to the door. To do so may damage the door.

- **Carefully open the door so the fixing holes are accessible. Depending on your site conditions, you may find this easier after the extractor is fully inserted (see next step).**

- **Now carefully lift the extractor up into position, so it is fully inserted within the opening** and tight against the ceiling, feeding in any loose wires and ducting as you go. Take care that no wires or ducting are trapped or damaged in the process.

Note: If the duct or any wires are trapped, then you must lower the extractor and make corrections to the cut-out area as necessary, before fixing the appliance in position.

- **Secure the extractor in place using suitable fixings (not supplied) through the fixing holes in each corner of the baseplate.**
- **Now connect the remote motor electrical supply lead.** Remove the grease filters to access the remote motor terminal box and make electrical connections as described in 4.6. **The power supply to the extractor must be off** when connecting the remote motor.
- Insert the black cover caps to close off the fixing hole access points.
- Refit filters and close the door panel.

Test the function of the unit as described in the operating instructions (Section 6).

If the unit does not function correctly, isolate the electrical supply and check all of the electrical connections before contacting Westin.

If you experience any difficulties, please call Westin for advice.

5. SPECIFICATIONS

All Models	
Supply voltage:	230V~ 50Hz
Recommended fuse size for electrical supply	3A
LED Lighting voltage	12V
LED Lighting power input	21.5W
Duct spigot for connection to flat channel	220x90mm

Stratus Blade with SEM1 EL Inline Motor	
Motor power input:	275W
Total power:	297W

Stratus Blade with SEM2 EL External Wall Motor	
Motor power input:	200W
Total power:	222W

Stratus Blade with SEM8 EL Inline Motor	
Motor power input:	250W
Total power:	272W
<i>Note: The motor has a 200mm diameter spigot and is supplied with a reducer for connection to 150mm ducting.</i>	

For detailed performance, specification and energy efficiency information please refer to the product fiche for your product

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6. OPERATING INSTRUCTIONS

Switch on the power at the fused spur.

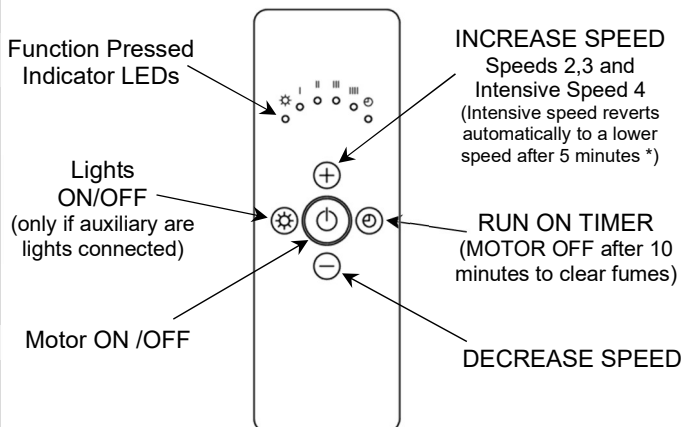
- The unit is operated by radio remote control.
- Should the extractor fail to respond to commands from the remote-control console then please check that the power is 'on' and the internal appliance reset switch is in the 'on' position (factory default). The reset switch is a latching red push-switch located behind the grease filter(s).

Press the switch fully in to change between 'on' and 'off' modes. If you are unsure as to the position of the switch, you can repeatedly press the light switch on the controller during the boot sequence (which lasts about 15 seconds) to register the remote to the appliance. Providing the mains power and red switch are both 'on', the remote will register and the lights will operate.

- Should your remote-control stop working, you should install a new battery before seeking further assistance.
- If you experience interference problems or the controller appears to be faulty, then a different radio transmission code or factory reset transmission code may be required.

Refer to the separate instructions included with the remote controller regarding transmission code changes and battery replacement.

Remote Control Functions



The extractor controller will automatically switch off the appliance if there has been no operator action for 4 hours.

** The automatic speed reduction feature is required to comply with EU Ecodesign and Energy Labelling legislation. Internal motors and similar performance SEM remote motors reduce to speed 3. Higher performance SEM 7 & 8 remote motors reduce to speed 2.*

7. MAINTENANCE

Regular maintenance is essential to ensure good performance and long-life.

CAUTION.

To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

To maintain the immaculate appearance of the extractor and to minimise fire risk, ensure that grease deposits on the extractor surfaces are kept to a minimum by regular cleaning.

To clean the stainless-steel surfaces of the extractor, use a soft cloth and a suitable cleaning agent, such as a specially produced stainless-steel cleaner or washing-up detergent and warm water.

Painted surfaces should be cleaned using a soft cloth, detergent and warm water.

Glass surfaces should be cleaned with a suitable glass cleaning agent.

The cloudy edges of the LED Light Blades should be dry for the best overall lighting effect. Any polish, oils, or other solutions which leave the edges shiny should be removed if accidentally applied. Usually wiping along the edge of the light blade with an absorbent material works (kitchen roll is good), wiping until the glass edge is dry and uniformly cloudy in appearance.

- **Do not use abrasive cleaning materials or products.**
- **Do not use bleach based cleaning materials or products.**

Clean the grease filters in a dishwasher or by hand-washing in hot water and detergent every 2 months - sooner if the extractor is used extensively and filters become grease laden.

- Whilst you can expect years of service from mesh grease filters, they are considered a consumable item and may deteriorate over time and need replacement, particularly when cleaned in a dishwasher. For dishwasher users adhering to a 2-monthly cleaning interval, we recommend grease filter replacement every 5 years to maintain optimum performance, even if they show no visible signs of deterioration. For all users, filters should be replaced whenever they exhibit signs of physical wear.

Accessing the filter(s) and baseplate

The door is held shut with magnetic catches.

Open the door by grasping it close to the front corners (the front being the long edge closest to the magnets) and pulling to release it from the magnets. Take care not to let the door fall open freely (it should be supported and moved carefully into the open position).

Lamp replacement

The long-life LED units are not designed for end user replacement. In the unlikely event of failure, please call Westin.

W S Westin Ltd
Phoenix Mills, Leeds Road, Huddersfield, HD1 6NG, UK
Tel: 01484 421585 Fax: 01484 432420 Email:
sales@westin.co.uk
www.westin.co.uk

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8. GENERAL ARRANGEMENT DRAWINGS & ILLUSTRATIONS

STRATUS BLADE 3D General Arrangement Drawing

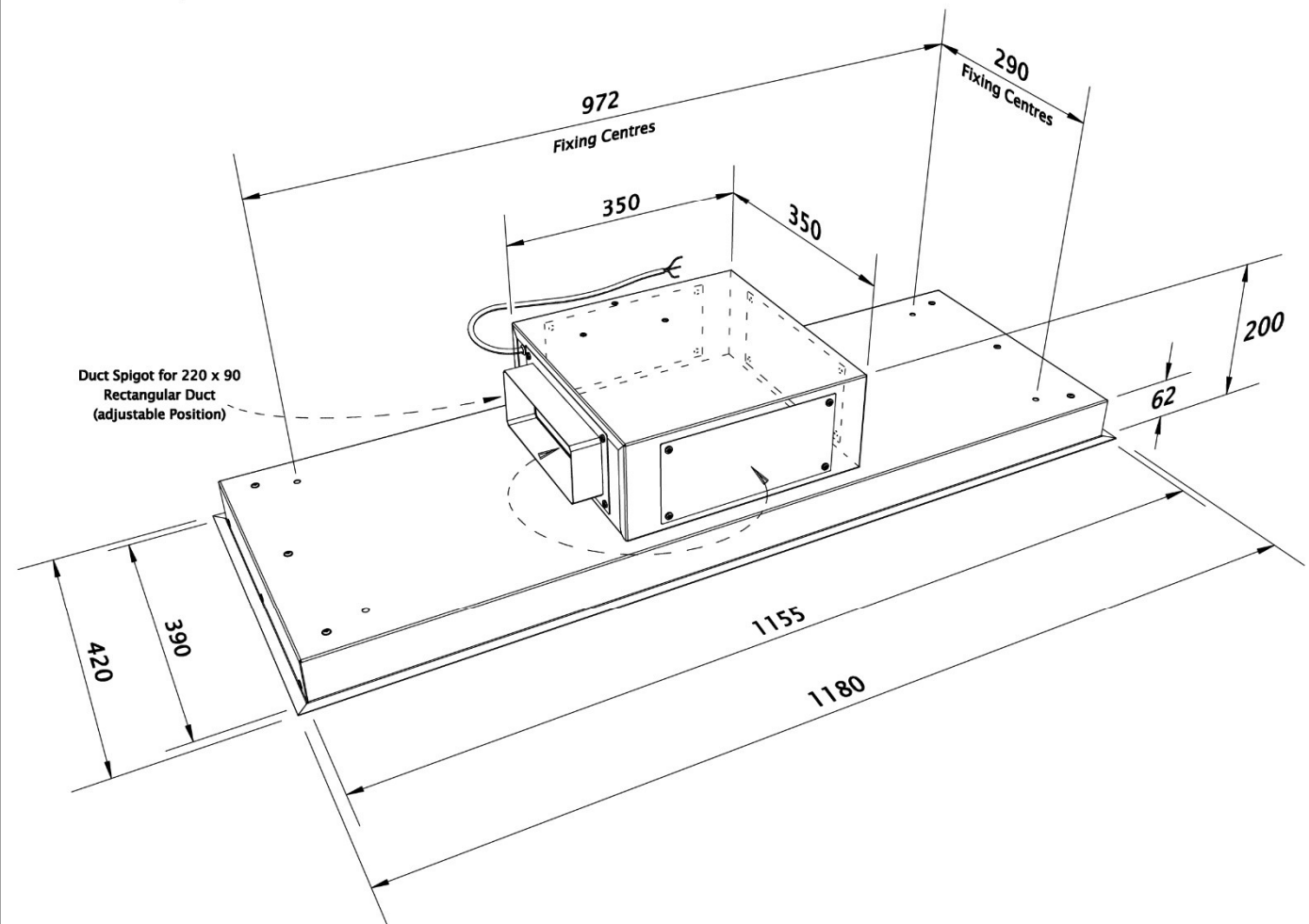
Remote Motor Version

Cutout Details: Width 1160 x Depth 400

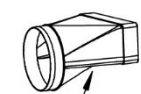
Duct Spigot: To suit 220 x 90 rectangular ducting systems

Duct Spigot Position: Adjustable; Left (default), Right, Front or Rear

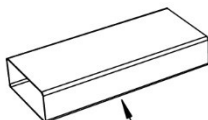
Duct Adaptors for \varnothing 150 Round Duct: Included



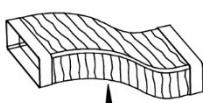
Duct Connection Parts Included



Rectangular to Round 150mm Adaptor

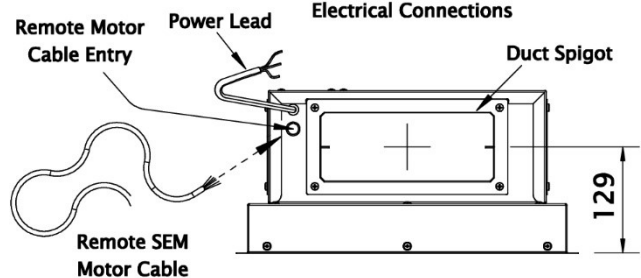


Rectangular Duct Extension (50cm)

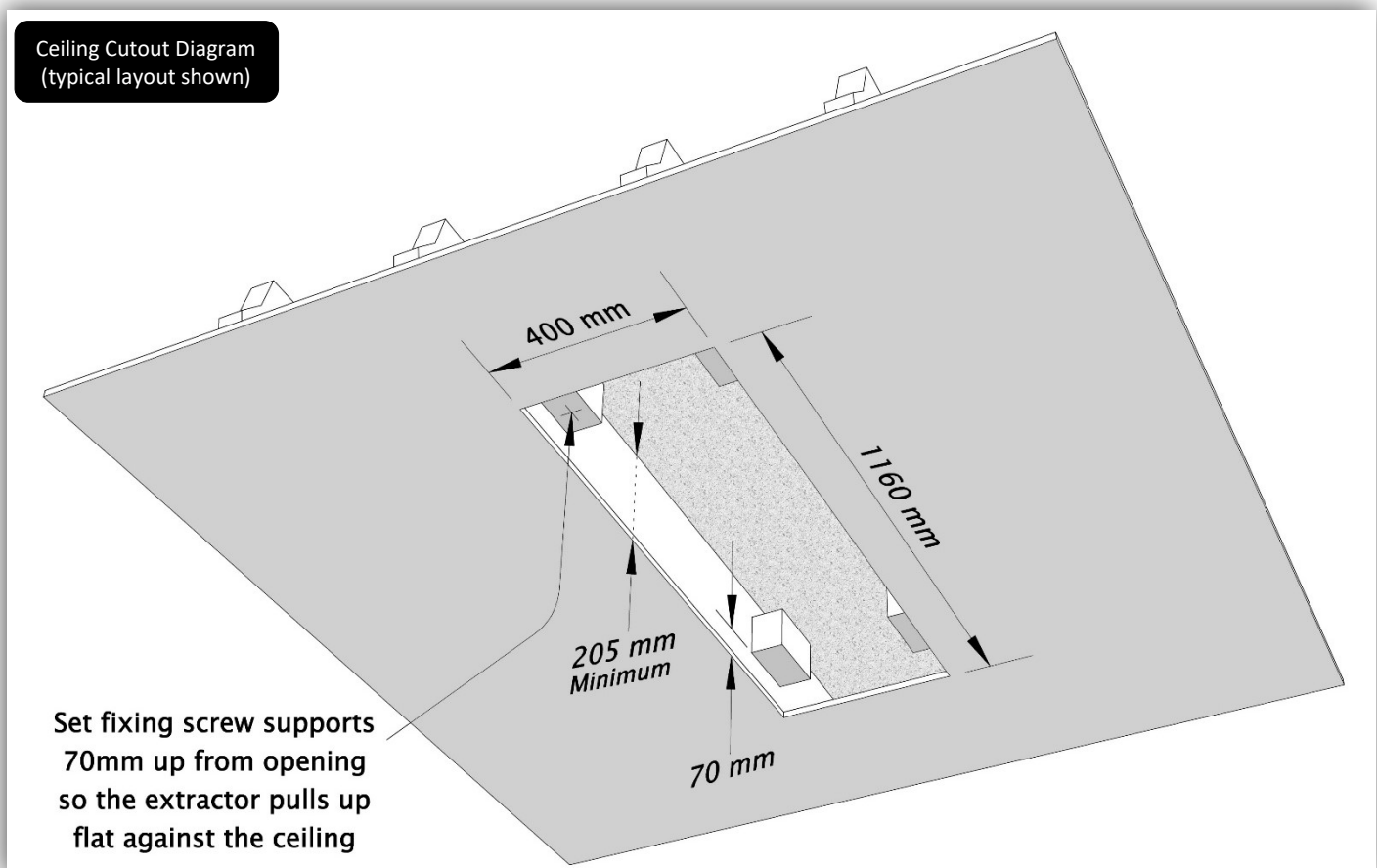
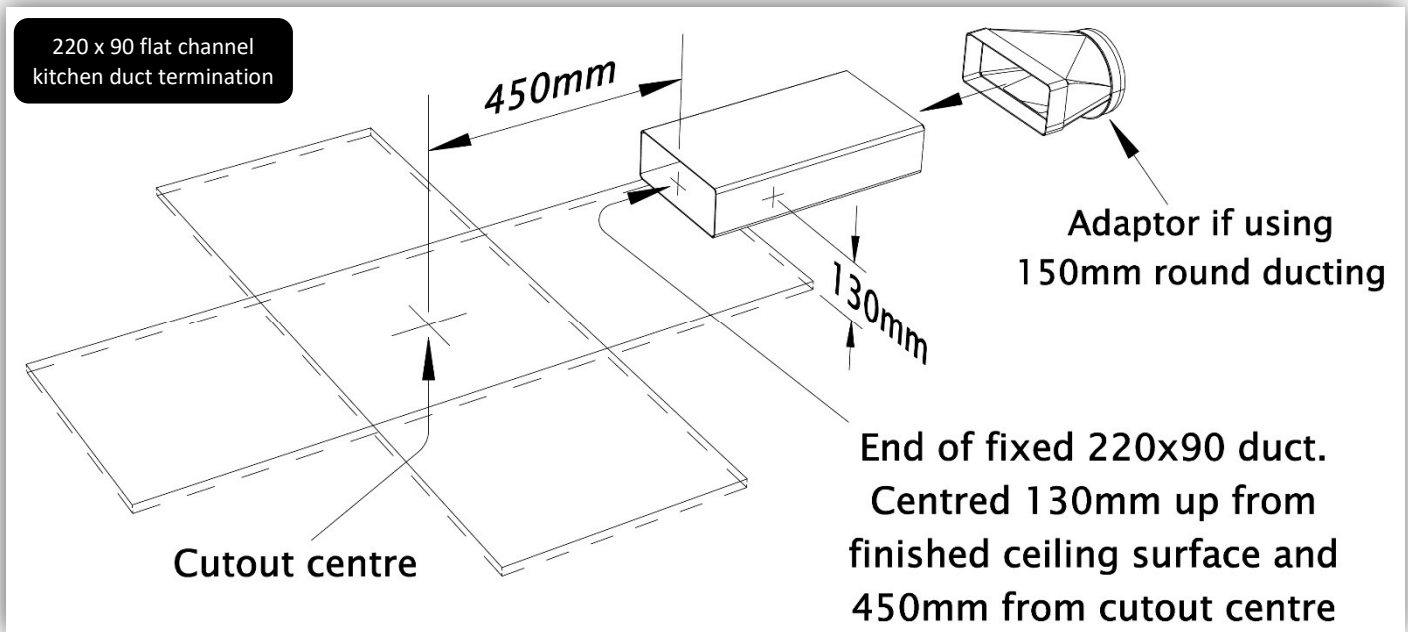


Rectangular Flexible Connection

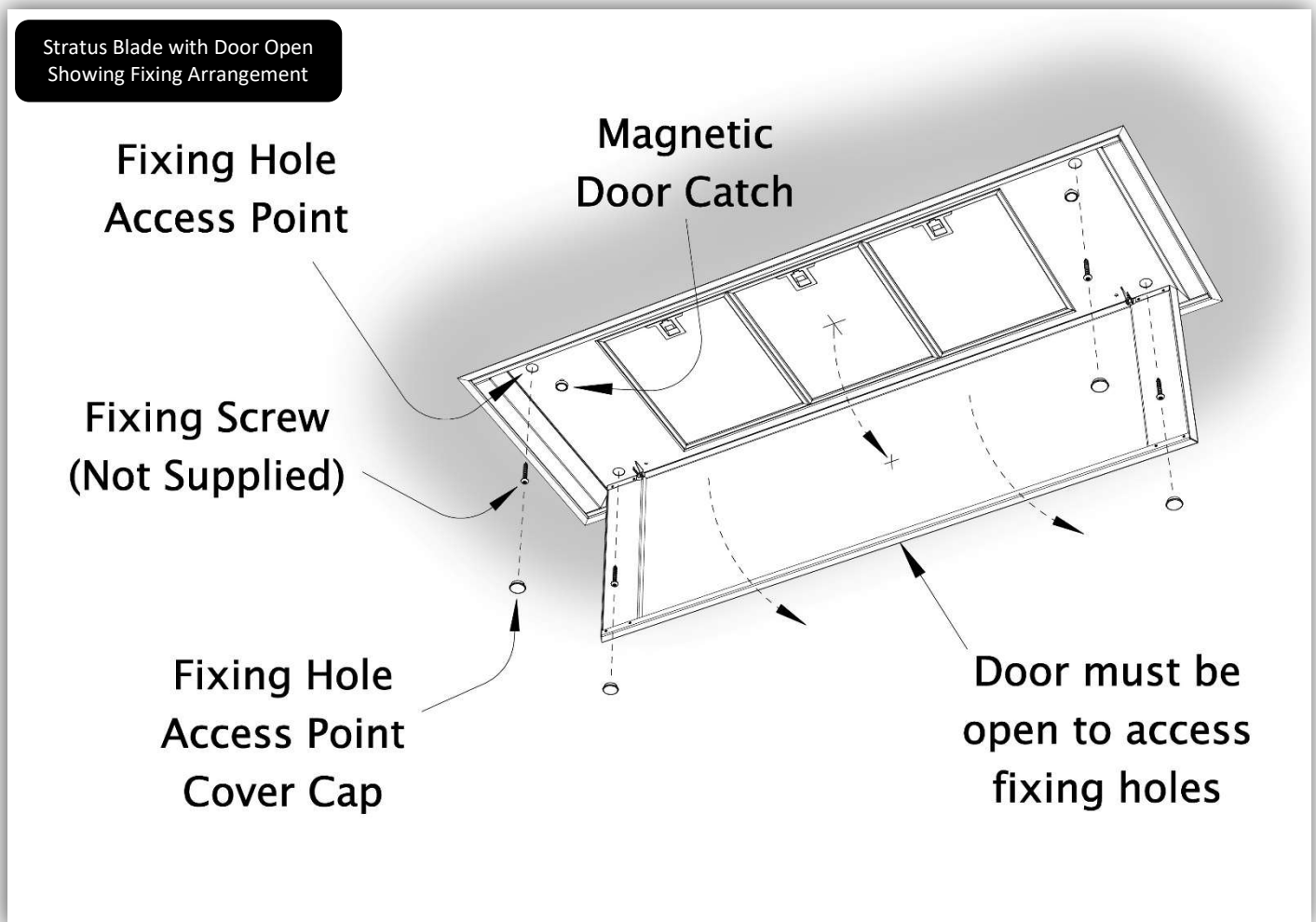
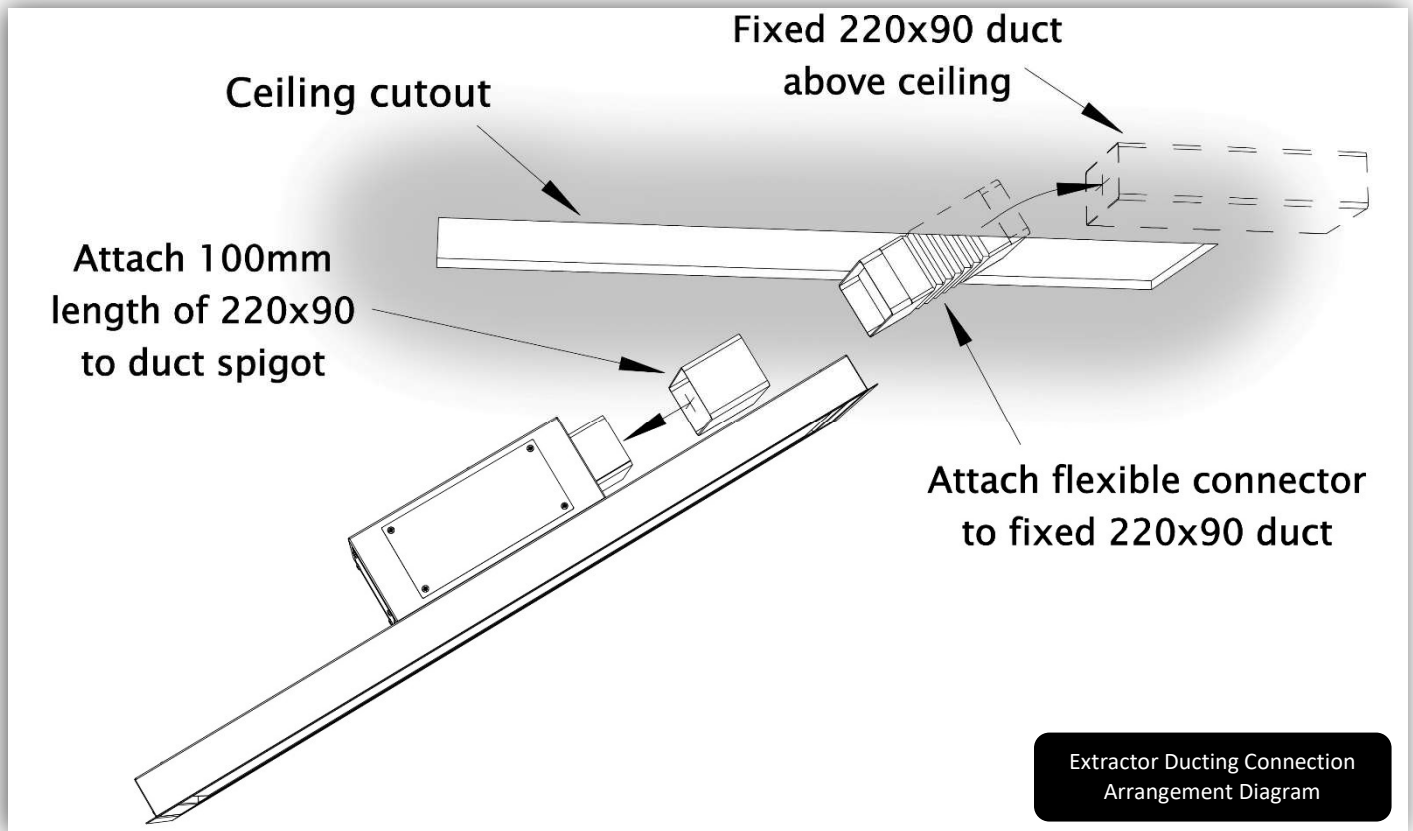
Spigot Position and Electrical Connections



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SEM-EL REMOTE MOTOR WIRING ILLUSTRATIONS for Energy Labelling Directive Compliant Motors

Fig. 1 Open Remote Motor Terminal Box

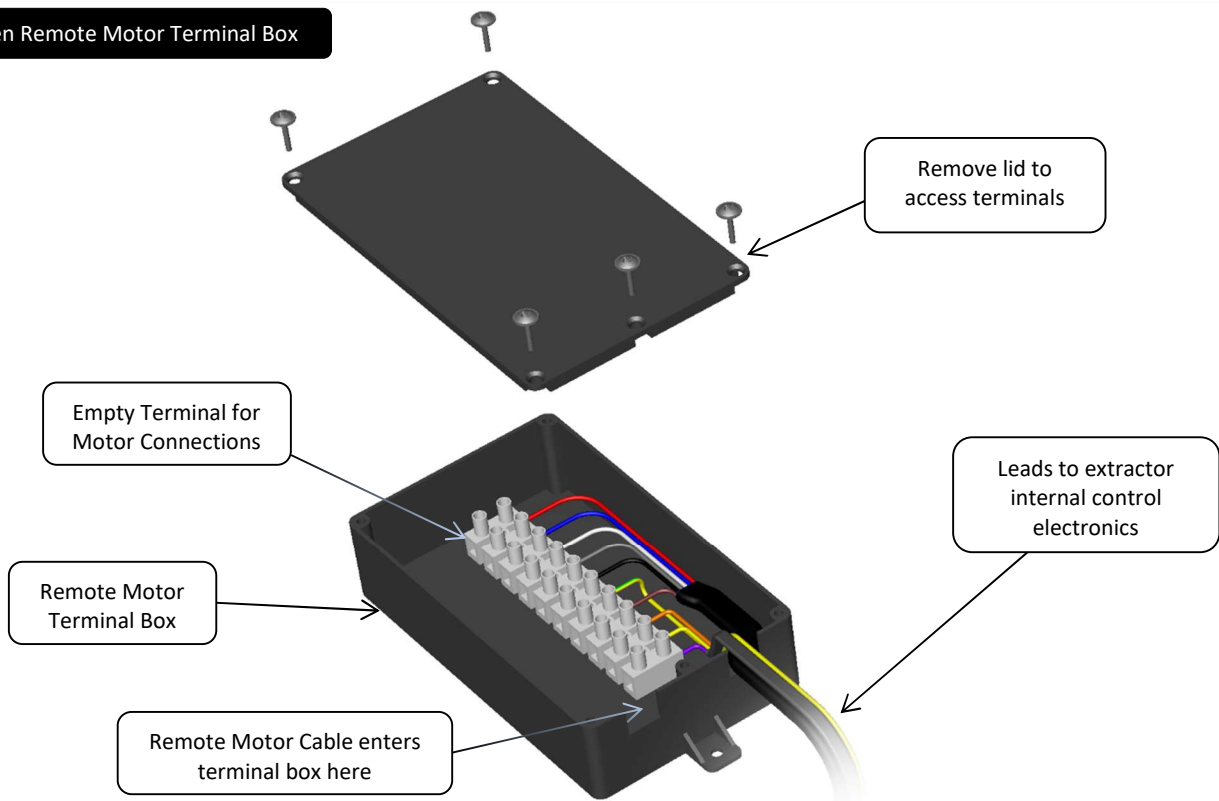


Fig. 2 Terminal Colour Positions

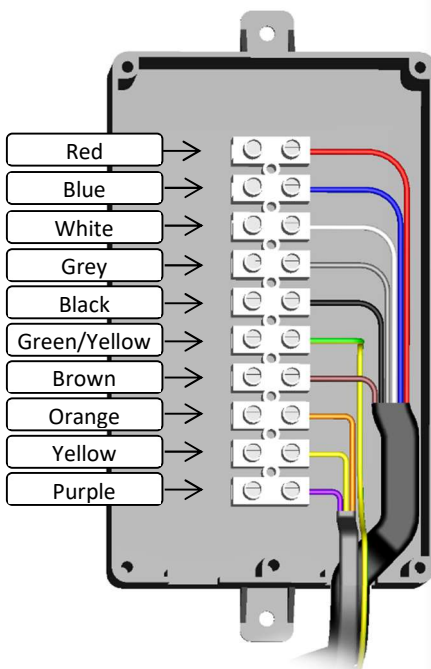


Fig. 3 SEM 1 / SEM 2
Electrical Connections

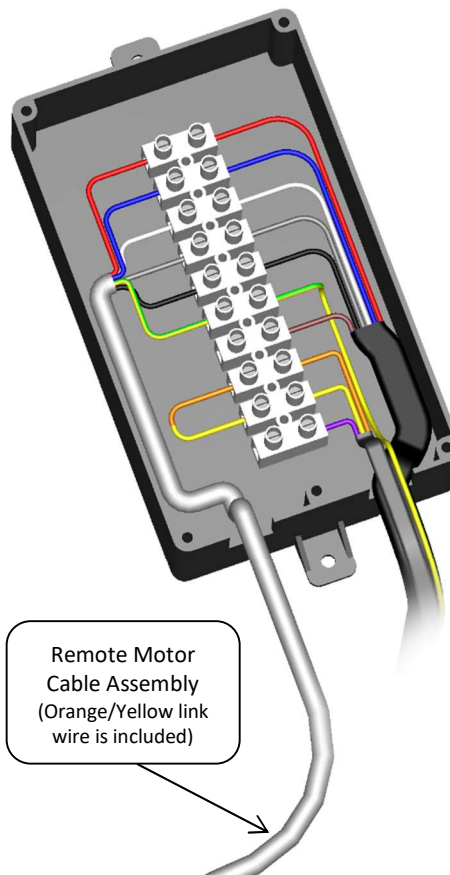
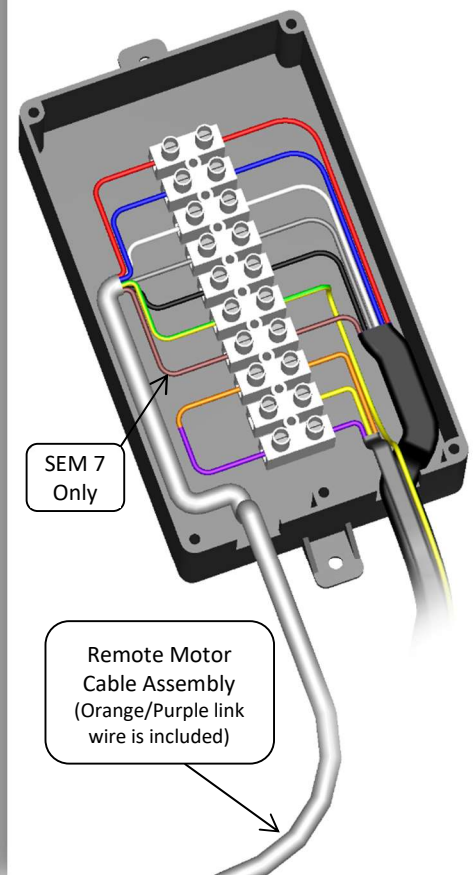


Fig. 4 SEM 7 / SEM 8
Electrical Connections





STRATUS BLADE Ceiling Built-in Unit

(Internal Motor Version)

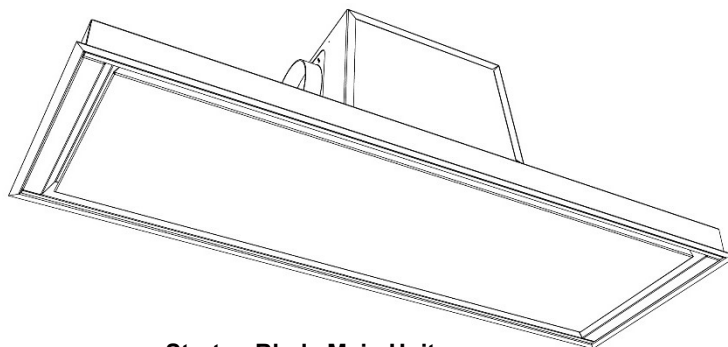
Installation, Operation and Maintenance

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Unpacking

Remove all items from the packaging. Retain the packaging.
If items are missing or damaged, please contact Westin for assistance.
The following items are included:



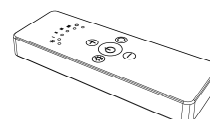
Stratus Blade Main Unit



Documentation:
This Manual,
Warranty Card,
Product Fiche and
Energy Label



4x Fixing Hole
Cover Caps



Remote Control
Console

W S Westin Ltd
Phoenix Mills, Leeds Road, Huddersfield, HD1 6NG, UK
Tel: 01484 421585 Fax: 01484 432420 Email:
sales@westin.co.uk
www.westin.co.uk

Ceiling Built-in Unit:
STRATUS BLADE (Internal Motor Version)
Installation, Operating & Maintenance Instructions



1. INTRODUCTION

During the cooking process, there will be heat, vapours and fumes produced. Your *Westin Ceiling Extractor* has been designed to complement your kitchen both in looks and performance in order to create a good environment for creative cooking.

2. IMPORTANT INFORMATION

The exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances supplied with energy other than electricity e.g. oil- or gas-fired central heating boilers, gas-fired water heaters, etc.

Requirements of the relevant authorities concerning the discharge of exhaust air must be complied with.

WARNING.

Proper care must be taken to ensure that the negative pressures caused by high performance extraction systems do not adversely affect the safe operation of certain types of fuel-burning appliances (gas, oil or solid fuel), including those installed in the kitchen and possibly also those installed in other parts of the house.

Where such fuel-burning appliances are installed, adequate ventilation **MUST** be provided in the room of installation, located and sized such that the negative pressure in the room created by the extractor does not exceed 4Pa.

In case of doubt, do not operate the extractor and fuel-burning appliance(s) simultaneously and consult an appropriate (for the fuel type) expert for advice.

ELECTRICAL SAFETY.

This appliance requires an earth connection.

Ensure that the supply voltage corresponds to that marked on the rating label inside the extractor.

The extractor must be isolated from the electrical supply before carrying out any cleaning or maintenance operations.

Pay particular attention to fire risk when frying. To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

Do not flambé under the extractor.

The clearance between the hob burners and the bottom surface of the extractor must be at least 750mm to prevent overheating of the extractor and its components.

Please also note that a 90° bend in flexible ducting will require 215mm minimum headroom to give a smooth radius with no kinking.

You are advised to install measures designed to reduce the incidence of cold draughts entering the property via any ductwork.

- For extractors with internal motors, an external duct termination with integrated non-return flaps (e.g. gravity shutter wall grille/louvre) should be used.

3. EXTRACTION PERFORMANCE

As its name suggests, this type of extractor is designed to fit into the ceiling void, with only the underside and outer flange visible when installed.

Because fumes spread out as they rise, a unit larger than the hob area is desirable, although not always possible. The perimeter extraction system is designed to conceal the grease filters and to minimise fume escape. Warm cooking fumes that do escape tend, initially, to accumulate in the highest part of the room, so situating the unit at the highest point is of benefit. It will perform best when it is situated directly over the hob.

The primary influence on the overall performance of the extractor is the design of the ducting which takes the exhaust air from the extractor to the outside. The duct route should be a prime consideration during the initial stages of the kitchen design.

Please note the following:

- Easy access to the duct route during installation is important. Lack of access may require the "blind" fitting of flexible ducting, with increased risk of unseen kinks and impaired efficiency.
- The extractor is provided with a spigot suitable for connecting 150mm round ducting.**
Note: the cross-sectional area of 150mm diameter duct is the minimum area consistent with efficient extraction.
- The most efficient configuration is to duct straight through an outside wall, so try to position the cooker close to an outside wall when designing your kitchen.
- For maximum efficiency, ducting should be kept as short as possible and as straight as possible with a constant cross-sectional area being no less than that recommended by Westin. Bends in the duct will also degrade performance so the number of bends in a duct run should be kept to a minimum and be gradual and smooth to prevent turbulence. Avoid kinks in flexible ducting; pull flexible ducting taut over straight runs to ensure that the internal surface is as smooth as possible.
- If your duct route is straight but exceeds 7m in length, or exceeds 5m with three bends, then please consult with Westin as to the suitability of this hood for your application because performance will be significantly degraded.
- Your extractor can be set to vent to the rear, front, left or right.** Use the exhaust position which gives the shortest achievable duct route and least number of bends. Joist positions will often determine what is achievable.
- Rigid 150mm round ducting or 220 x 90 flat channel ducting (available from *Westin*) will perform best. Semi-rigid round duct (not flexible foil or PVC) is a reasonable alternative and can be formed into bends as necessary. Flexible ducting is economical but its use should be minimised as it gives the worst performance and should only be used for the initial connection between the hood and your fixed ductwork or very short runs and be pulled taut over straight runs to prevent significant losses in extraction efficiency.
- Good quality duct tape (not included) should be used instead of sealant or adhesive to seal duct components so they can be separated should that become necessary.

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4. INSTALLATION

The extractor is designed for installation within a cut-out in the underside of the kitchen ceiling. Alternatively, it may be installed within a lowered bulkhead or furniture soffit panel, but remember it is desirable to install directly into the ceiling where possible (see section 3).

Dimensioned drawings and illustrations to help with your installation can be found on page 6 onwards.

Please note the following:

- The extractor comprises two main parts:
 - The “*top box*”, which houses the duct spigot, hood electronics and motor (fan).
 - The “*baseplate*”, which houses the visible parts of the product when installed, such as LED light bars, grease filters, door panel assembly and outer frame.
- The Duct Spigot Position can be changed, allowing you to set the extractor outlet to face to the Left, Right, Front, or Rear. This is achieved by repositioning the “*top box*”, which can be rotated in 90° increments.

The ducting spigot must be set to face the required direction prior to installation.

- The extractor has four hidden fixing holes, accessible via 20mm access holes set into the baseplate corners. These can only be accessed with the door panel open.

Black cover caps are provided which press into and close off the fixing hole access points after installation.

4.1. Prepare Your Opening

Prepare the opening into which the unit will be installed.

Unit Size (mm) (Width x Depth x Height)	Cut-out Size (mm) (Width x Depth x Height)
1180 x 420 x 290	1160 x 400 x 295

Please refer to the drawings on Pages 6 - 8 for the detailed product design information you will need to plan and build a suitable opening.

Reinforce the opening as necessary and make sure suitable provisions are made to take the screws which will hold the unit in place (see below) and for any ductwork to pass through.

The provisions made for the screws which will support the extractor:

- **Must be strong enough to support a total weight of 30Kg**
- **Must be recessed so that the surface you screw into is 70mm above the finished ceiling surface**

Tip: Because much of the baseplate only intrudes into the ceiling by 62mm, for installations where the unit runs across joists or ceiling voids are insufficient, consider whether the ceiling can be lowered slightly to avoid boxing down or complex joist alterations.

4.2. Ducting Requirements and Duct Installation

Depending upon your site, ducting may need installing before or in conjunction with the preparation of your ceiling opening.

For the majority of your duct run, we recommend using rigid round 150mm diameter ducting or rigid 220x90mm flat channel ducting, although semi-rigid round 150mm duct is also acceptable.

The initial connection to the extractor spigot must be in semi-rigid or flexible duct, to allow the unit to be installed with the duct connected, so the first part of your duct should be flexible (up to 1m).

This is important because these extractors are usually blind-fitted and must be removable without disturbing the fixed ductwork, should servicing become necessary.

When terminating ducting on an outside wall, a suitable weather louvre should be used. Ducting components and complete kits are available from Westin for most installations.

For roof or chimney duct terminations, please contact Westin or seek alternative specialist advice.

Illustrations showing the ducting arrangement needed to allow connection of the hood to your ductwork can be found on pages 7 - 8

Proceed as follows:

- Install ducting in accordance with the advice given in section 2 & 3.

Tip: We recommend oversizing duct holes by at least 25mm to allow for any cables that may need to pass alongside and for easier duct installation.

- Terminate in the kitchen with flexible or semi-rigid ducting reaching to a point just beyond the centre of the ceiling opening, thus allowing for a short length to hang down through the opening for later connection to the top box spigot (see illustrations on pages 7 and 8).

Try to avoid tight bends immediately adjacent to where the top box will be as this will make pushing the unit into position more difficult.

4.3. Opening the door panel.

The door is held shut with magnetic catches.

Open the door by grasping it close to the front corners (the front being the long edge closest to the magnets) and pulling to release it from the magnets. Take care not to let the door fall open freely, it should be supported and moved carefully into the open position.

4.4. Revealing the Fixing Holes.

The extractor is secured through 4 fixing holes located close to each corner of the upper baseplate surface. These are accessible via 20mm access holes set into the lower baseplate surface (see diagrams on Page 6 Onwards for detail).

The fixing holes are only accessible with the door panel open.

Black cover caps are provided which press into and close off the fixing hole access points after installation. If these are already installed, they can be pulled out to reveal the fixing holes behind.

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4.5. Changing the Duct Spigot Outlet Direction.

Your extractor ducting spigot can be set to vent to the Left (factory default), Right, Front or Rear.

Note: The front of the unit is the side closest to the magnetic catches.

There is no top outlet, so if you wish to vent upwards, you will need to put a bend in your ducting.

Please refer to the diagram on Page 6 for further help changing the duct spigot outlet direction

To change the duct outlet direction, proceed as follows:

- Carefully place the extractor on its top so that the door panel faces upwards.
- Open the door panel (see 4.3) and remove the grease filters to reveal the top-box opening.
- You can now see into the top-box opening and will see two rows of three screws next to the left and right edges of the top-box. These screws secure the top-box to the baseplate.

Remove the 6 screws securing the top-box to the baseplate.

- Carefully lift the baseplate slightly away from the top box and rotate it so that the motor spigot faces the required direction (in relation to the baseplate).

The 6 fixing holes in the baseplate will align with captive nuts set into the top-box fixing flange every full 90° of rotation.

As you rotate the baseplate, you will note the wire which powers the lamps is still connected (tethering the two parts together) this is intentional. You can extend or shorten the lamp wire by carefully pulling more out from, or pushing more into, the hole where it enters the baseplate. Sufficient wire is stowed within the baseplate to allow it to be neatly routed around the perimeter of the top-box opening in any possible outlet position.

- Place the baseplate back onto the top-box with the 6 fixing holes aligned with their corresponding captive nuts, taking care not to trap the lamp wire as you do so, and secure the top-box to the baseplate using the screws you removed earlier.

4.6. Electrical Installation

**ELECTRICAL HAZARD.
DISCONNECT ELECTRICAL SUPPLY
BEFORE PROCEEDING FURTHER**

The extractor is a fixed electrical appliance and must have a provision for isolating the electrical supply via a switched-fused spur located in an accessible position within the kitchen. A qualified electrical technician must perform the installation of the electrical supply to the extractor.

The hood must be fed from a dedicated 230Vac single phase electrical supply terminated with a switched spur fitted with a 3A fuse. The switch should be located so that the supply can be disconnected from the extractor using the switch at any time following installation (the switch must be accessible). The means of disconnection from the supply must have a minimum contact separation of 3mm in all poles. Alternatively, a means of disconnection in the fixed wiring according to the relevant wiring rules must be fitted.

A supply cord for connecting the extractor to the spur is included. The mains supply is connected to the free end of this cord as follows:

INCOMING SUPPLY CORD CONNECTIONS	
Core	Core Colour
Live	Brown
Neutral	Blue
Protective Earth	Green/Yellow

For your convenience during installation, we recommend terminating the electrical supply from the switched fused spur with a standard UK 3 pin 240V socket, positioned close to the extractors intended location. The extractor's electrical supply cord can then be fitted with a standard 240V 3 pin plug for easy connection to the supply during installation.

Make sure the switched-fused spur supplying the extractor is in the 'off' position before connecting the appliance to the electrical supply.

4.7. Removing the Motor Transport Ties (If Fitted) (see fig.2)

Note: Transport Ties are only used on smaller appliances to protect the motor during unpalletised transit.

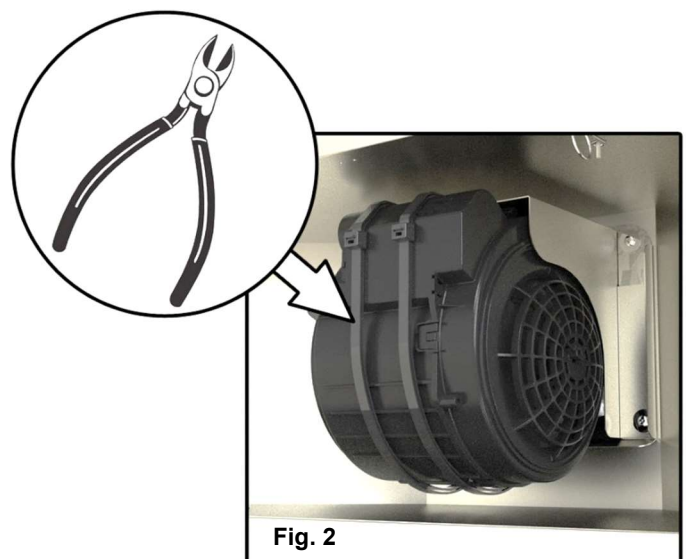


Fig. 2

Ceiling Built-in Unit:
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4.8. Fixing the Extractor in Position

Please note the following prior to commencing fixing the extractor in position:

- You will need at least two people to fit this extractor; to lift, hold and fix the unit in position. A third person is recommended to assist.
- A working platform or scaffold should be used so that the ceiling opening can be reached and the unit fixed without the use of ladders.
- Screws for fixing the extractor into position are not provided. You must use suitable fixings capable of supporting 30kg.

If you are screwing into timber, then you should use screws no smaller than 5mm (No 10) with a head diameter of 10mm or more and ensure that at least 35mm of thread is screwed into the timber and that the timber will not split when the screws are inserted.

- The unit will need supporting close to the opening when attaching the ducting and making electrical connections.

As described in 4.2 (Ducting Requirements), ducting should have been installed so that a flexible portion is present in the ceiling opening.

When planning and undertaking your installation, you must ensure the extractor can be removed without disturbing fixed ducting or electrical installations should future servicing be required.

- Make sure the duct spigot is in the correct position and that the fixing holes do not contain the blanking inserts.
- Do not remove protective tape until after the installation.

Proceed as follows:

- Carefully place the extractor on its face with the top box assembly uppermost, so electrical supply wire and duct spigot are visible.
- **Support the extractor close enough to the prepared opening to make the electrical and duct connections.**

ELECTRICAL HAZARD.
DISCONNECT ELECTRICAL SUPPLY
BEFORE PROCEEDING FURTHER

- **Connect the electrical supply cord of the extractor to the electrical supply spur.**
- **Angle the extractor so the spigot faces the flexible portion of ducting and secure the duct to the spigot using suitable clamps, straps or high-quality duct tape.**

Be careful when lifting the extractor not to hold onto or otherwise apply force to the door. To do so may damage the door.

- **Carefully open the door so the fixing holes are accessible. Depending on your site conditions, you may find this easier after the extractor is fully inserted (see next step).**
- **Now carefully lift the extractor up into position, so it is fully inserted within the opening (and tight against the ceiling), feeding in any loose wires and ducting as you go. Take care that no wires or ducting are trapped or damaged in the process.**

Note: If the duct or any wires are trapped, then you must lower the extractor and make corrections to the cut-out area as necessary before fixing the appliance in position.

- **Secure the extractor in place using suitable fixings (not supplied) through the fixing holes in each corner of the baseplate.**
- Insert the black cover caps to close off the fixing hole access points.
- Refit filters and close the door panel.

Test the function of the unit as described in the operating instructions (Section 6).

If the unit does not function correctly, isolate the electrical supply and check all the electrical connections before contacting Westin.

If you experience any difficulties, please call Westin for advice.

5. SPECIFICATIONS

Stratus Blade with Internal Motor	
Supply voltage:	230V~ 50Hz
Recommended fuse size for electrical supply	3A
LED Lighting voltage	12V
LED Lighting power input	21.5W
Extractor Duct spigot diameter:	150mm
Motor power input:	275W
Total power:	297W

For detailed performance, specification and energy efficiency information, please refer to the product fiche for your product

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6. OPERATING INSTRUCTIONS

Switch on the power at the fused spur.

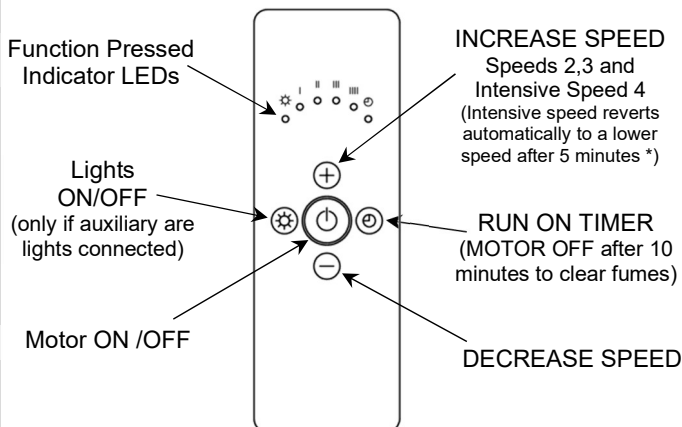
- The unit is operated by radio remote control.
- Should the extractor fail to respond to commands from the remote-control console then please check that the power is on and the internal appliance reset switch is in the 'On' position (factory default). The reset switch is a latching red push-switch located behind the grease filter(s).

Press the switch fully in to change between 'on' and 'off' modes. If you are unsure as to the position of the switch, you can repeatedly press the light switch on the controller during the boot sequence (which lasts about 15 seconds) to register the remote to the appliance. Providing the mains power and red switch are both on, the remote will register and the lights will operate.

- Should your remote-control stop working you should install a new battery before seeking further assistance.
- If you experience interference problems or the controller appears to be faulty, then a different radio transmission code or factory reset transmission code may be required.

Refer to the separate instructions included with the remote controller regarding transmission code changes and battery replacement.

Remote Control Functions



The extractor controller will automatically switch off the appliance if there has been no operator action for 4 hours.

** The automatic speed reduction feature is required to comply with EU Ecodesign and Energy Labelling legislation. Internal motors and similar performance SEM remote motors reduce to speed 3. Higher performance SEM7 & 8 remote motors reduce to speed 2.*

7. MAINTENANCE

Regular maintenance is essential to ensure good performance and long-life.

CAUTION.

To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

To maintain the immaculate appearance of the extractor, and to minimise fire risk, ensure that grease deposits on the extractor surfaces are kept to a minimum by regular cleaning.

To clean the stainless-steel surfaces of the extractor, use a soft cloth and a suitable cleaning agent, such as a specially produced stainless-steel cleaner or washing up detergent and warm water.

Painted surfaces should be cleaned using a soft cloth, detergent and warm water.

Glass surfaces should be cleaned with a suitable glass cleaning agent.

The cloudy edges of the LED Light Blades should be dry for the best overall lighting effect. Any polish, oils, or other solutions which leave the edges shiny should be removed if accidentally applied. Usually wiping along the edge of the light blade with an absorbent material works (kitchen roll is good), wiping until the glass edge is dry and uniformly cloudy in appearance.

- **Do not use abrasive cleaning materials or products.**
- **Do not use bleach based cleaning materials or products.**

Clean the grease filters in a dishwasher or by hand-washing in hot water and detergent every 2 months - sooner if the extractor is used extensively and filters become grease laden.

- Whilst you can expect years of service from mesh grease filters, they are considered a consumable item and may deteriorate over time and need replacement, particularly when cleaned in a dishwasher. For dishwasher users adhering to a 2-monthly cleaning interval, we recommend grease filter replacement every 5 years to maintain optimum performance, even if they show no visible signs of deterioration. For all users, filters should be replaced whenever they exhibit signs of physical wear.

Accessing the filter(s) and baseplate

The door is held shut with magnetic catches.

Open the door by grasping it close to the front corners (the front being the long edge closest to the magnets) and pulling to release it from the magnets. Take care not to let the door fall open freely, it should be supported and moved carefully into the open position.

Lamp replacement

The LED units are not designed for end user replacement. In the unlikely event of failure please call Westin.

W S Westin Ltd
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Tel: 01484 421585 Fax: 01484 432420 Email:
sales@westin.co.uk
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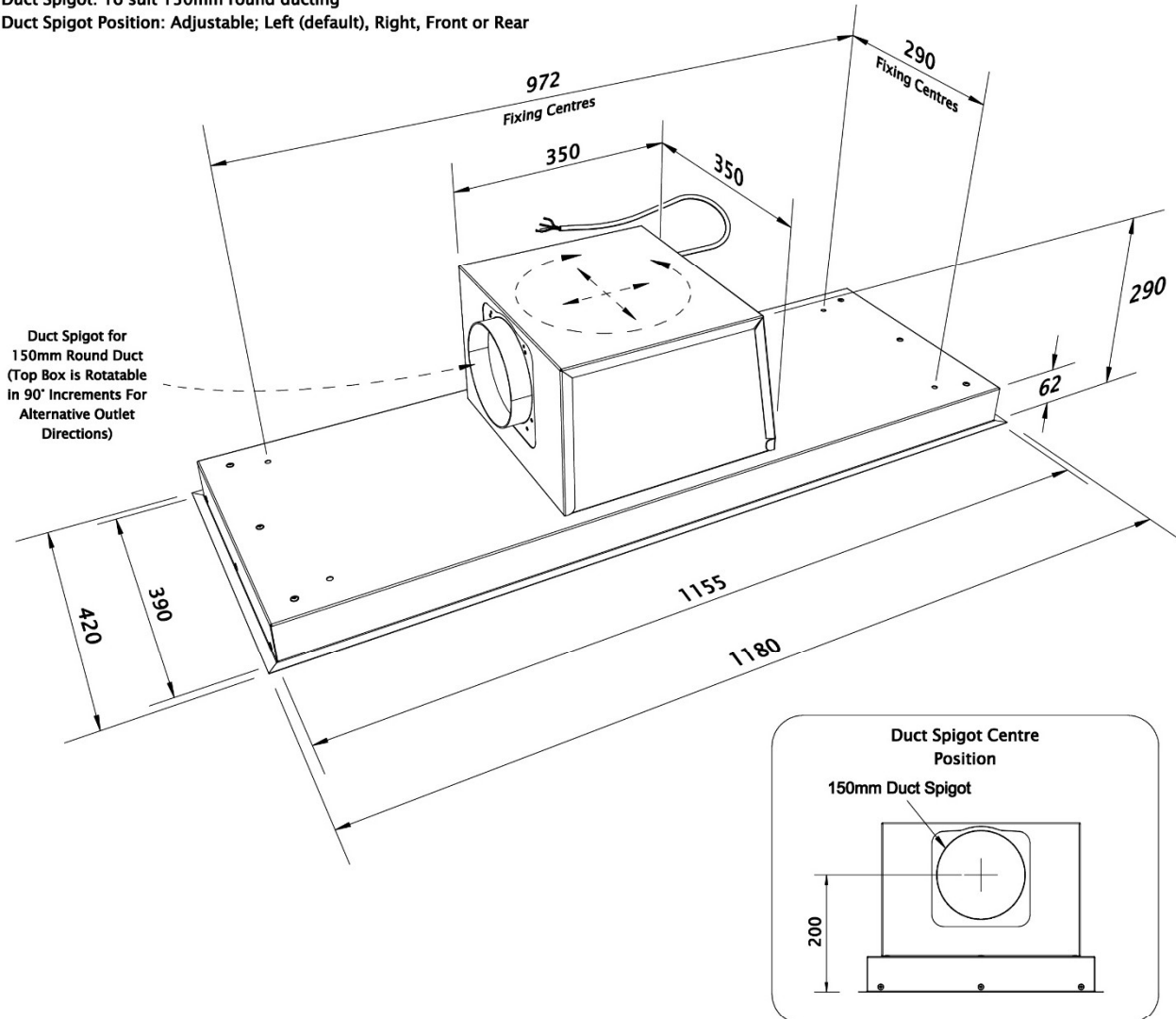
8. GENERAL ARRANGEMENT DRAWINGS & ILLUSTRATIONS

STRATUS BLADE 3D General Arrangement Drawing Internal Motor Version

Cutout Details: Width 1160 x Depth 400

Duct Spigot: To suit 150mm round ducting

Duct Spigot Position: Adjustable; Left (default), Right, Front or Rear

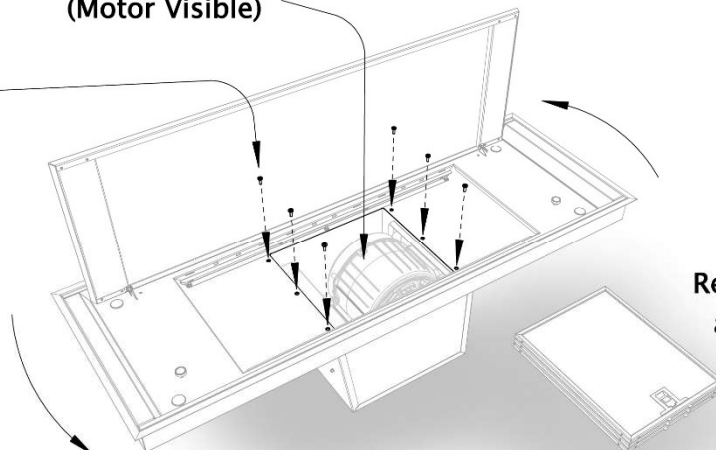


Changing the Duct
Spigot Outlet Direction

Top Box Opening
(Motor Visible)

Top-box Fixing
Screws x 6

Remove screws and
rotate baseplate in 90°
increments for alternative
outlet directions



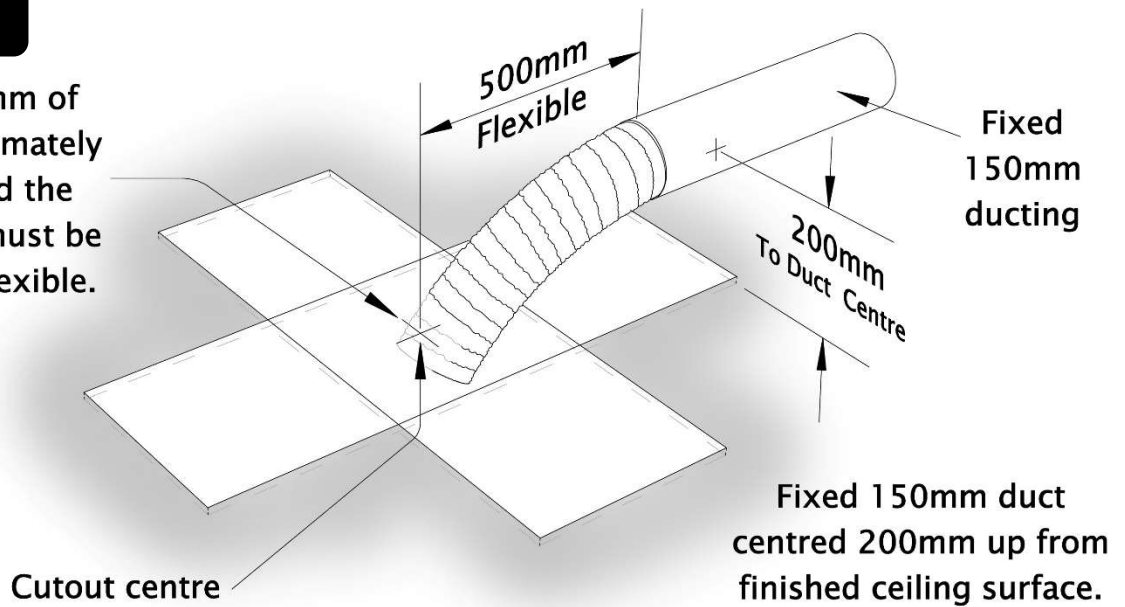
Remove filters to
access screws

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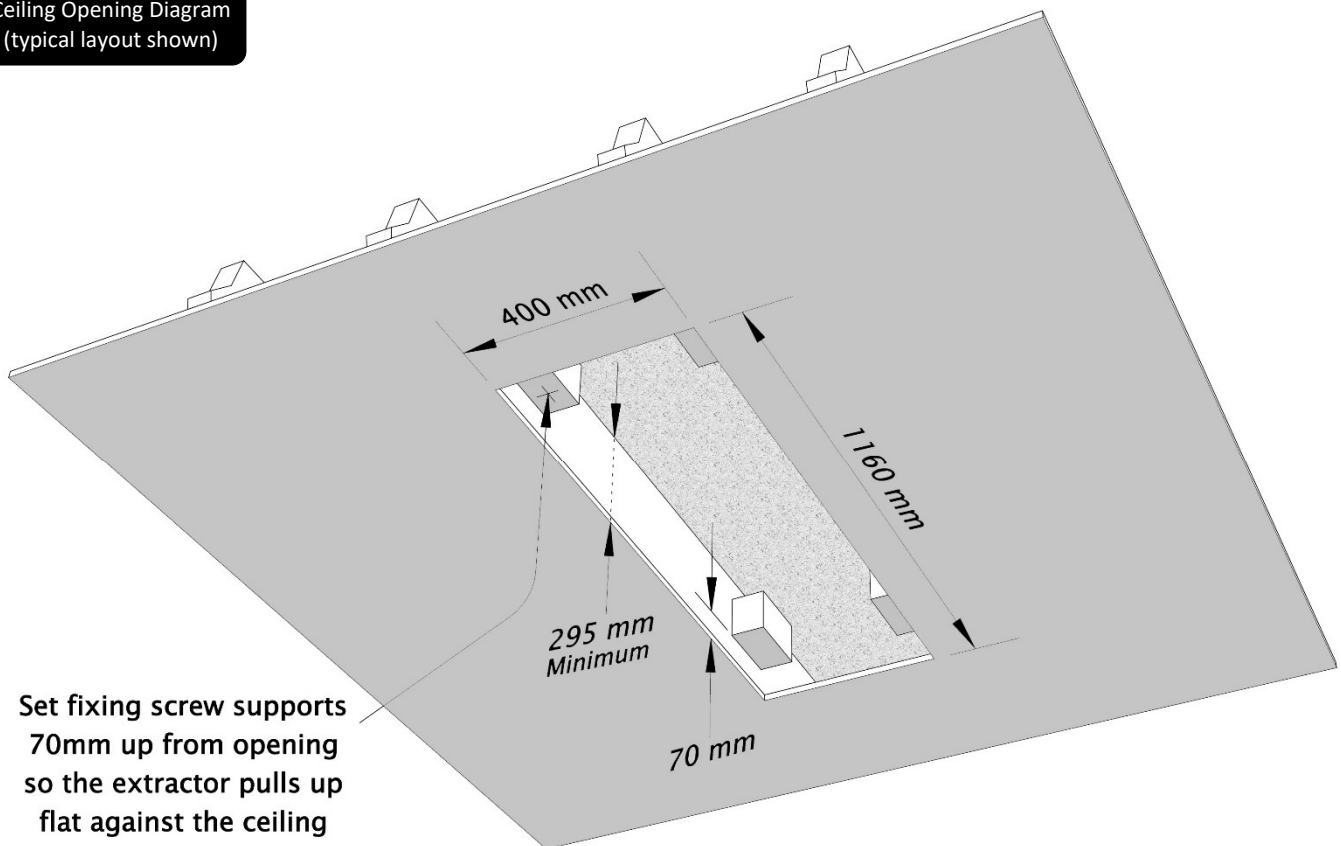


**150mm Round Kitchen
Duct Termination**

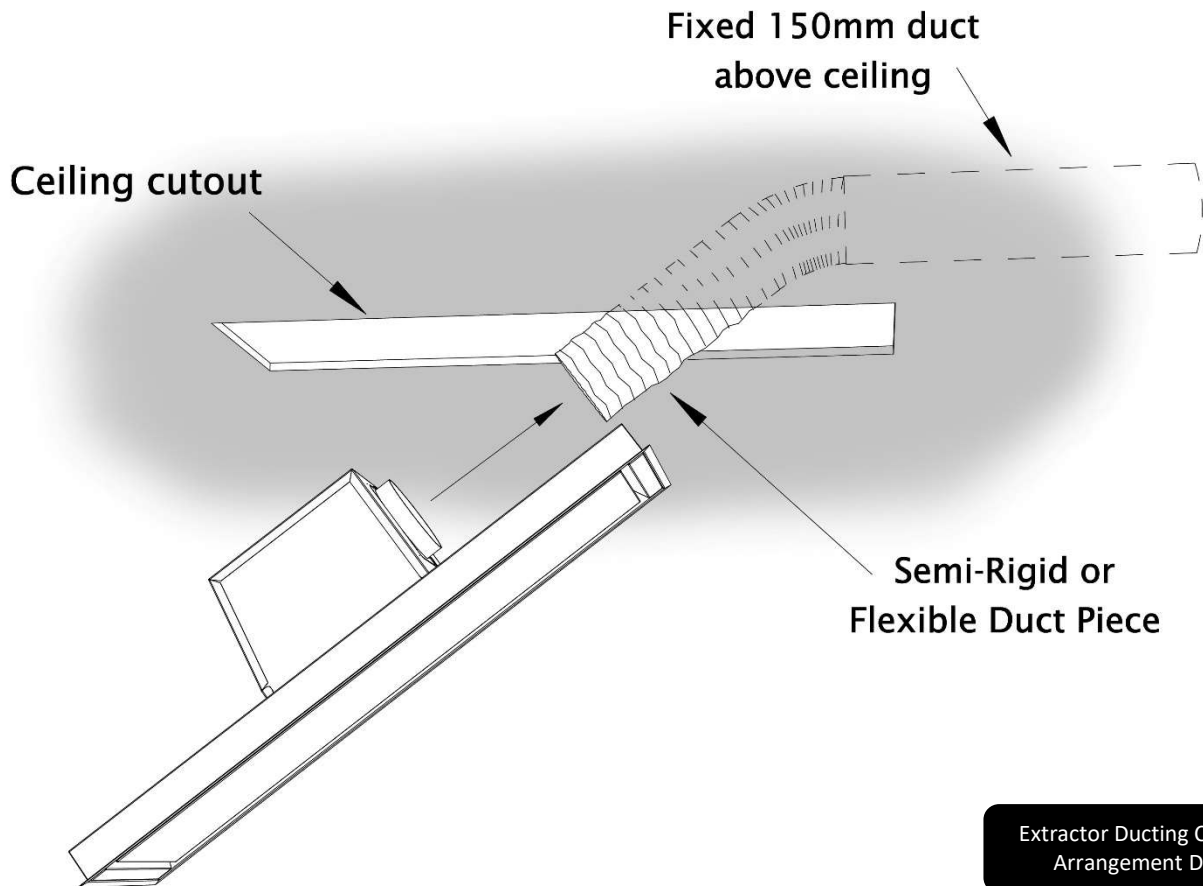
The last 500mm of duct to approximately 50mm beyond the cutout centre must be semi-rigid or flexible.



**Ceiling Opening Diagram
(typical layout shown)**



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Stratus Blade with Door Open
Showing Fixing Arrangement

