

Masport HEATING

AUBURN 5
AUBURN 8

INSTALLATION INSTRUCTIONS

MA5IN / MA8IN



MA5IN/MA8IN
(AUBURN 5 INBUILT / 8 INBUILT)

Glen Dimplex Australia supports the Australian wood heating industry through its membership of the AHHA.

VERSION 1.2

TABLE OF CONTENTS

1. Important Information 2
2. Masonry Installation. 3
   - 2.1. Clearances to Combustible Materials. 3
   - 2.2. Floor Protector (Hearth) 4
   - 2.3. Mantelpiece Shield 5
   - 2.4. Flue. 5
3. Zero Clearance Installation 6
   - 3.1. Clearances to Combustible Materials. 6
   - 3.2. Enclosure Construction. 6
   - 3.3. Enclosure Ventilation. 8
   - 3.4. Zero Clearance Base. 8
   - 3.5. Flue. 8
   - 3.6. Power Supply for Fan 9
   - 3.7. Floor Protector (Hearth). 9
   - 3.8. extended Fascia Options 10
4. Installing the Baffle 11
5. Installing the Fire Bricks 12
6. Technical Drawings 13
   - 6.1. Masport Auburn 5 Inbuilt (MA5IN). 13
   - 6.2. Masport Auburn 8 Inbuilt (MA8IN). 13

THE INSTALLATION INSTRUCTIONS IN THIS MANUAL APPLY TO THE MASPORT AUBURN INBUILT MA5IN, MA8IN.

THEY HAVE BEEN TESTED FOR EMISSIONS AND EFFICIENCY AND COMPLY ACCORDING TO AS/NZS 4012 & AS/NZS 4013.

INSTALLATION CLEARANCES WERE DETERMINED BY TESTING IN ACCORDANCE WITH AS/NZS 2918.

1. IMPORTANT INFORMATION

Most building regulatory authorities in Australia require any wood heater installation to comply with Installation Standard AS/NZS 2918. Different states and councils may have varying regulations. Check local building regulations before installing the appliance.

All Masport wood heaters have been tested to ensure that they will meet the appropriate safety Standard requirements if the instructions in this manual are followed. As the safety and emissions performance can be affected by altering the appliance, no modifications are allowed without written permission from the manufacturer.

WE RECOMMEND THAT THE INSTALLATION OF YOUR MASPORT WOOD HEATER BE CARRIED OUT BY A QUALIFIED INSTALLER.

WARNING: THE APPLIANCE AND FLUE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.

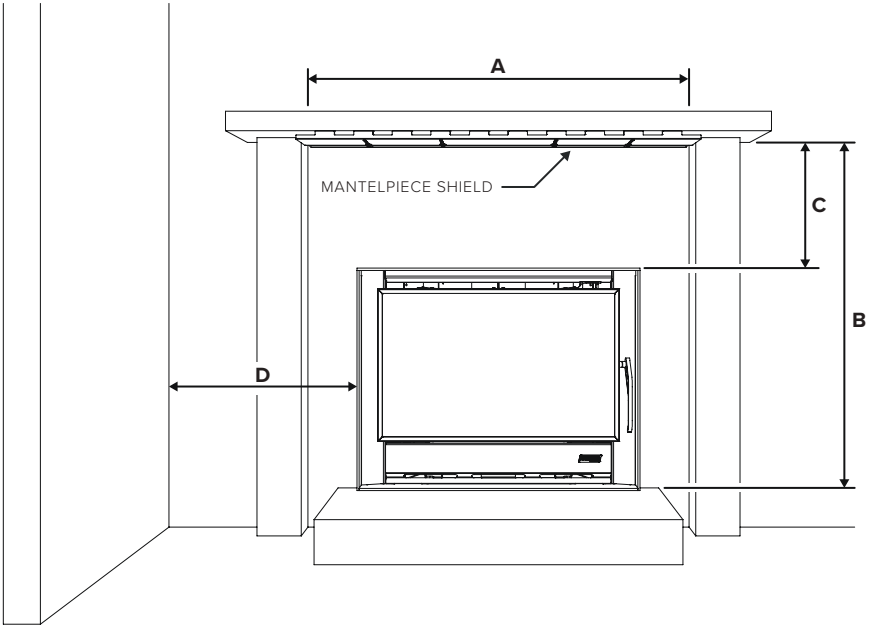
WARNING: APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 4012 & AS/NZS 4013 WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING 'TESTED TO AS/NZS 4012 & AS/NZS 4013'.

ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4012 & AS/NZS 4013.

Caution: Mixing of appliance or flue-system components from different sources or modifying the dimensional specification of components may result in hazardous conditions. Where such action is considered, the manufacturer should be consulted in the first instance.

Caution: cracked and broken components, e.g. glass panels or ceramic tiles, may render the installation unsafe.

2. MASONRY INSTALLATION



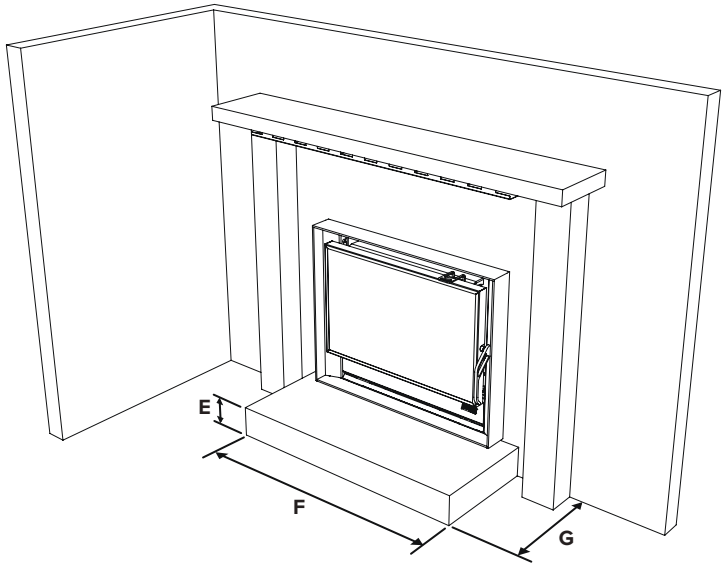
Refer to this section for clearance requirements and instructions if heater is to be in a masonry installation. For variations to clearances relative to a combustible mantelpiece refer to AS/NZS 2918 Clause 3.4.2.

2.1. CLEARANCES TO COMBUSTIBLE MATERIALS

The dimensions given in the table and image represent the minimum clearance (in millimetres) to combustible materials, such as a mantelpiece with columns, when installed in a non-combustible fireplace. If a combustible mantelpiece is present, a Mantelpiece Shield must be installed (refer to section “2.3. Mantelpiece Shield”).

CLEARANCES
MASONRY INSTALLATION

	AUBURN 5	AUBURN 8
A (Width between mantelpiece columns)	822mm	922mm
B (Height to mantelpiece from hearth)	916mm	1166mm
C (Height to mantelpiece above air vents)	300mm	500mm
D (Distance to side wall from side of main fascia)	300mm	300mm



2.2. FLOOR PROTECTOR (HEARTH)

The dimensions given in the table and image represent the minimum hearth sizes (in millimetres), when installed in a non-combustible fireplace, with either **a ventilated cement sheet hearth** (see diagram over page), or **brick hearth**. See table below for details on both hearth construction options.

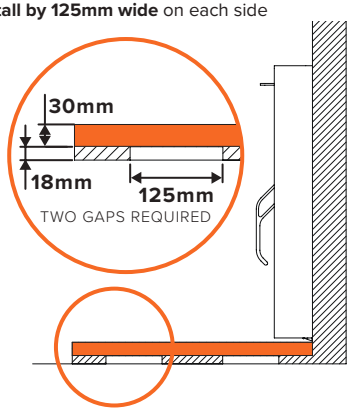
- The dimensions can be larger than the minimum dimensions given here if desired.
- The floor protector may be laid directly on the combustible floor.
- For more details and variations on floor protectors refer to AS/NZS 2918 Clause 2.2, 3.3.1, & 3.3.2.

CLEARANCES
FLOOR PROTECTOR

	AUBURN 5		AUBURN 8	
Hearth Construction (or equivalent)	VENTILATED CEMENT SHEET	BRICK	VENTILATED CEMENT SHEET	BRICK
E (Thickness)	30mm + 18mm gap below	110mm	30mm + 18mm gap below	110mm
F (Width)	900mm	900mm	1000mm	1000mm
G (Depth from door)	450mm	300mm	600mm	400mm

2.2.1. VENTILATED HEARTH OPTION

A ventilated hearth can be used instead of a brick hearth. The hearth must be constructed from non-combustible material such as cement sheet with tiles (with thermal conductivity not greater than 0.33W/m ºK) and have an overall thickness not less than **30mm**. This must be supported above the floor with an air gap not less than **18mm**. The air gap must be ventilated by an area not less than **4,500 mm2** on each side of the hearth, eg. Two slots **18mm tall by 125mm wide** on each side

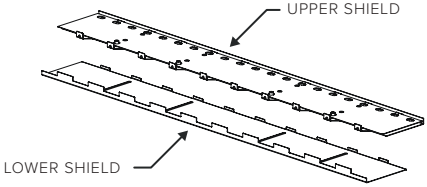


2.3. MANTELPIECE SHIELD

If the installation contains a mantelpiece made of combustible material, the Mantelpiece Shield (which needs to be ordered separately) must be fitted. **Combustible mantelpieces may be no deeper than 225mm - any deeper will not be adequately shielded.**

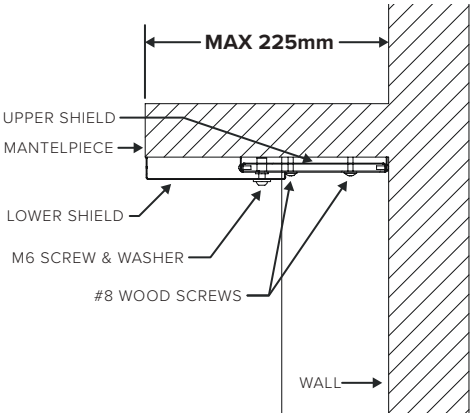
Parts Supplied:

- 1 x Upper Shield
- 1 x Lower Shield
- 4 x M6 Screws
- 4 x M6 Washers
- 8 x #8 Wood Screws



The Mantelpiece Shield can extend to fit a mantelpiece with a depth greater than 140mm, following these steps:

1. If required, trim width of shield to suit width of mantelpiece. Material may have to be removed from both ends to be symmetrical.
2. Hold upper shield hard against the wall and underside of mantelpiece. Screw in place with #8 wood screws.
3. Attach lower shield to upper shield with M6 screws and washers loosely.
4. Slide lower shield until the front is flush with the edge of the mantelpiece. **Combustible mantelpieces may be no deeper than 225mm - any deeper will not be adequately shielded.**
5. Tighten M6 screws until held firm, but not so tight that the shield buckles.



2.4. FLUE

In a masonry installation, a 6”/150mm diameter flue must extend through the chimney, from firebox to atmosphere.

2.4.1. FITTING FLUE SEAL

Any gaps between the inside of the flue spigot and the 6 inch active flue should be sealed. This can be done by wrapping the bottom of the flue with a piece of adhesive backed high temperature cloth tape. Alternatively, stove cement designed for this purpose can also be used.

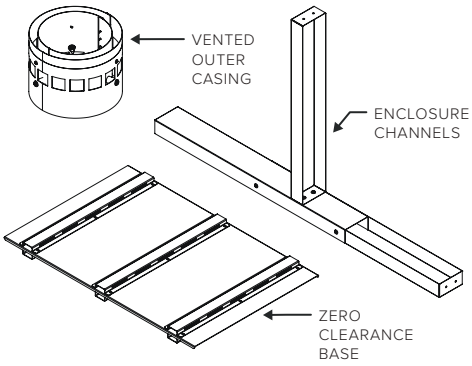
3. ZERO CLEARANCE INSTALLATION

Refer to this section for clearance requirements and instructions if the heater is to be in a zero clearance installation.

A licensed accredited installer should install all wood heaters. Please ask your retailer to locate an installer. **All warranty is void unless installed with the below zero clearance kit AND installed by an authorised installer.**

The zero clearance kit (supplied separately) includes these parts:

- 1 x Zero Clearance Base
- 1 X Vented Outer Casing
- 1 X Enclosure Channel Vertical
- 2 X Enclosure Channel Horizontal
- 4 X Wafer Head Screws #10 x 16mm
- 6 X Wafer Head Timber Screws #10 x 45mm



3.1. CLEARANCES TO COMBUSTIBLE MATERIALS

The table to the right gives minimum clearances from the appliance to combustible materials. Clearance dimensions are from the surfaces on the main fascia of the appliance, the outer flue casing **OR** the outer box of the appliance (see diagram in following section"3.2. Enclosure Construction"). Internal clearances are within the enclosure, and external clearances are outside the enclosure (inside the area to be heated).

CLEARANCES
ZERO CLEARANCE INSTALLATION

	AUBURN 5	AUBURN 8
A (Rear internal)	100mm	30mm
B (Side internal)	150mm	100mm
C (Front internal)	40mm	40mm
D (Height of ZC base)	40mm	40mm
E (Above internal)	660mm	660mm
F (Side wall external)	300mm	300mm
G (Ceiling external)	1240mm	1190mm

3.2. ENCLOSURE CONSTRUCTION

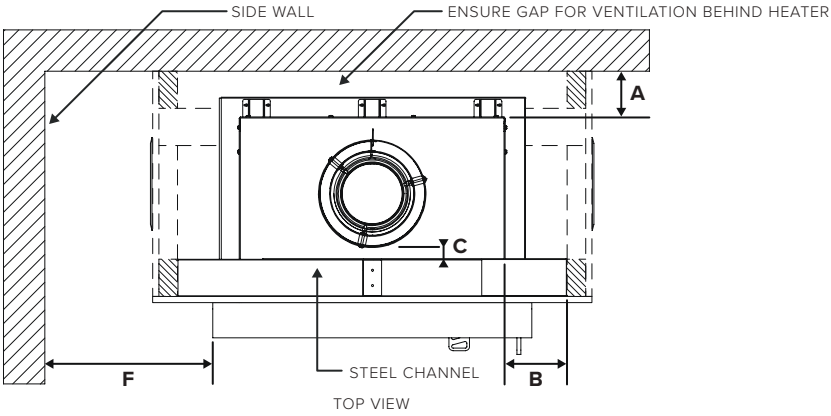
The following drawings show the construction of an enclosure with minimum clearances to combustible materials from the appliance determined in accordance with AS/NZS 2918.

Auburn 5 shown in diagram.

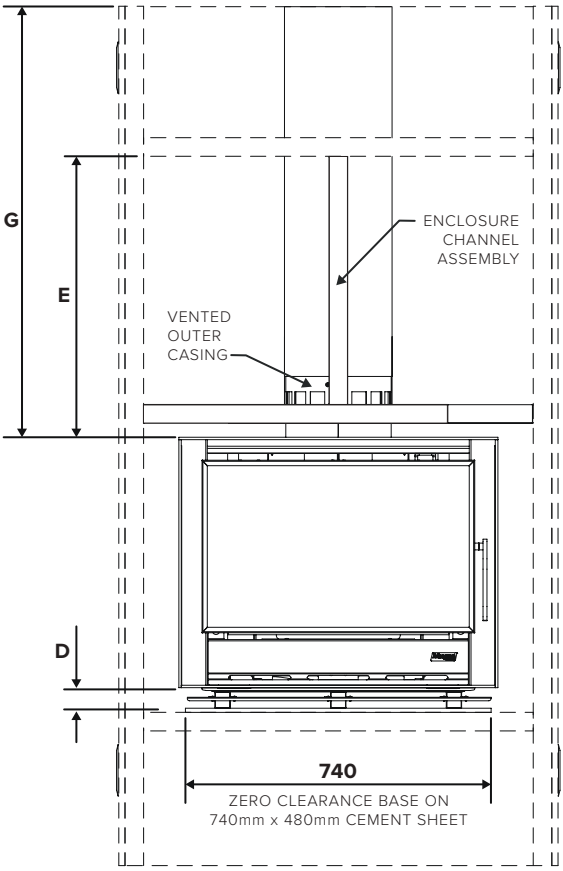
These are minimum clearances and may be installed with greater clearances if desired.

- The frame is constructed of 90mm x 45mm timber, displayed as dashed lines.
- The appliance and zero clearance base sits on a 5(H) x 740(W) x 480(D)mm cement sheet.
- The supplied enclosure channels must be assembled and screwed onto the enclosure no less than 25mm above the appliance.
- The cladding on the front wall must be a non-combustible material such as cement sheeting.

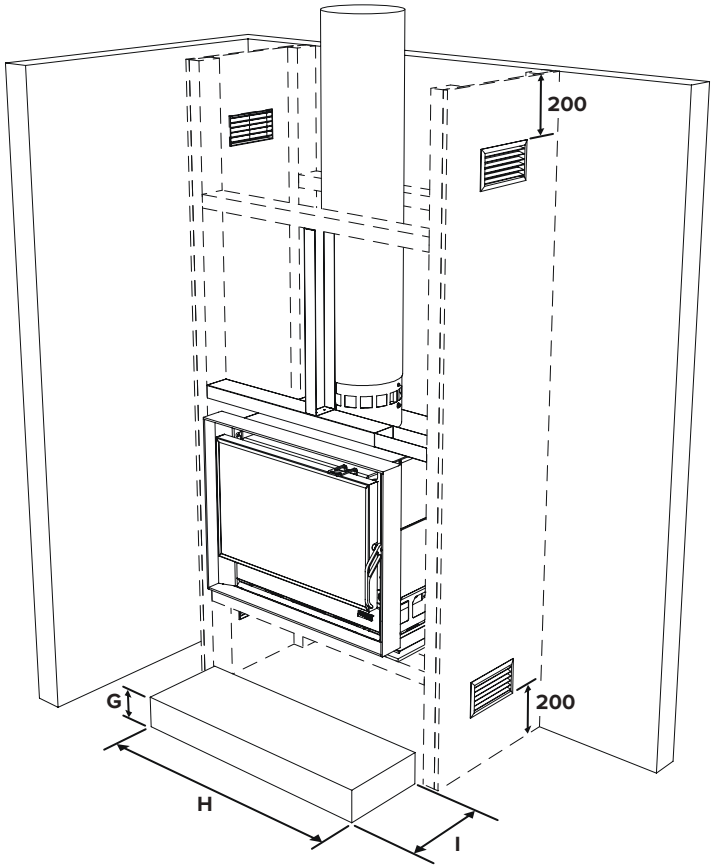
Note: Additional supports should be used to support the weight of the heater, zero clearance base and flue system. These have not been shown in the drawing.



TOP VIEW



FRONT VIEW



3.3. ENCLOSURE VENTILATION

Enclosure ventilation allows cooler air into the base of the enclosure and hot air to escape into the room.

Auburn Inbuilt installations require ventilation below and above the appliance. Bottom ventilation must be located below the appliance, not more than 200mm above the floor and total a minimum free area of not less than 11500mm^2. Top ventilation must be above the appliance, no lower than 200mm from the ceiling and total a minimum free area of not less than 11500mm^2.

Above diagram demonstrates the use of four vents to achieve this.

3.4. ZERO CLEARANCE BASE

The zero clearance base must be supported on a layer of cement sheet with a minimum thickness of 5mm, measuring 740mm wide x 480mm deep. Any wider, and it will restrict the ventilation from the lower vents past the appliance.

3.5. FLUE

Install a 6”/150mm diameter double cased flue kit to comply with AS/NZS 2918. The double casing must extend from the **vented outer casing supplied with the zero clearance kit** on top of the appliance, all the way through to the top where the flue terminates. A hole of 300 mm diameter is required in the ceiling with a minimum 25 mm clearance between any combustible material and the 250mm outer casing.

All other types of flue installations will void warranty.

3.5.1. FITTING FLUE SEAL

Any gaps between the inside of the flue spigot and the active flue should be sealed. This can be done by wrapping the bottom of the flue with a piece of adhesive backed high temperature cloth tape. Alternatively, stove cement designed for this purpose can also be used.

3.6. POWER SUPPLY FOR FAN

Provide a power point in the cavity under the heater for connecting the fan in the heater. If the cavity under the heater will not be accessible once the heater is installed (such as through a removable vent) then ensure an extension cord long enough to reach out of the front of the opening is lying in the base of the cavity.

When connecting the lead from the fan to the extension cord, it is suggested to tape the connection together. This is to prevent separation if the remote receiver requires removal and the lead must be pulled through.

3.7. FLOOR PROTECTOR (HEARTH)

The minimum dimensions of the floor protector are dependent on the height above the floor at which the heater is installed. **The floor protector must include a continuous layer of heat-resistant material extending to its perimeter as detailed in AS/NZS 2918.**

See tables below for minimum required dimensions.

- The dimensions can be larger than the minimum dimensions given here if desired.
- The floor protector may be laid directly on the combustible floor.
- For more details and variations on floor protectors refer to AS/NZS 2918 Clause 2.2, 3.3.1, & 3.3.2.
- For further detail on ventilated hearth option (when installed less than 245mm above floor), see “2.2.1. Ventilated hearth option” on page 5.

CLEARANCES
FLOOR PROTECTOR - HEATER 245MM OR MORE ABOVE FLOOR (FROM BOTTOM OF MAIN FASCIA)

	AUBURN 5	AUBURN 8
Hearth Construction (or equivalent)	HEAT-RESISTANT MATERIAL	HEAT-RESISTANT MATERIAL
G (Thickness)	Any thickness may be used	Any thickness may be used
H (Width)	900mm	1000mm
I (Depth from door)	300mm	300mm

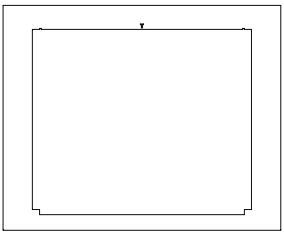
CLEARANCES
FLOOR PROTECTOR - HEATER LESS THAN 245MM ABOVE FLOOR (FROM BOTTOM OF MAIN FASCIA)

	AUBURN 5		AUBURN 8	
Hearth Construction (or equivalent)	VENTILATED CEMENT SHEET	BRICK	VENTILATED CEMENT SHEET	BRICK
G (Thickness)	30mm + 18mm gap below	110mm	30mm + 18mm gap below	110mm
H (Width)	900mm	900mm	1000mm	1000mm
I (Depth from door)	450mm	300mm	600mm	400mm

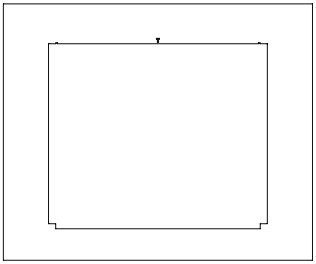
3.8. EXTENDED FASCIA OPTIONS

A 4mm thick extended fascia can be installed on the unit (supplied separately) to fill any gaps between the main fascia and enclosure. Four extended fascia options are available for each model (Auburn 5 or Auburn 8).

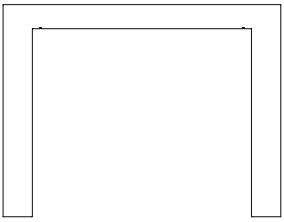
Fascia 4 Sided 50mm (50mm visible edges)



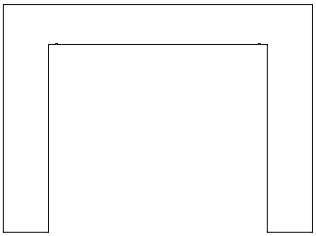
Fascia 4 Sided 100mm (100mm visible edges)



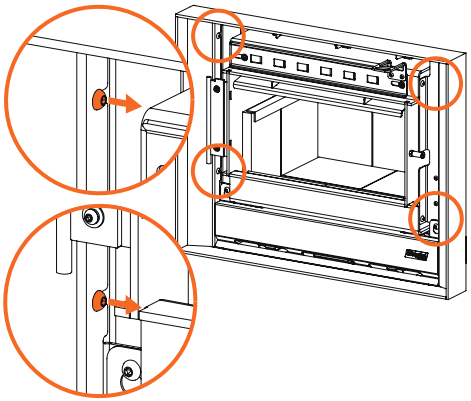
Fascia 3 Sided 50mm (50mm visible edges)



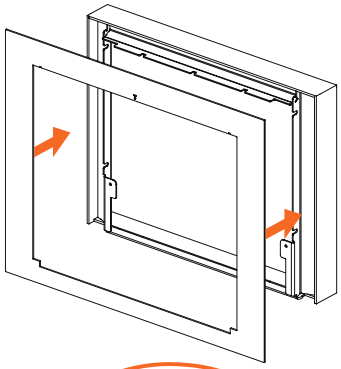
Fascia 3 Sided 100mm (100mm visible edges)

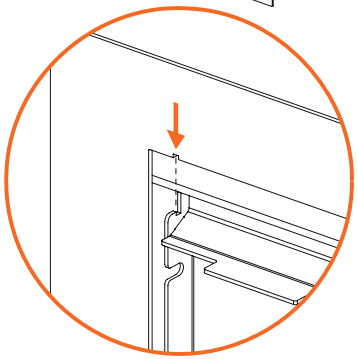


To install extended fascia, first remove door from heater. Then, locate and loosen the four indicated screws using a 5mm hex key. Main fascia can then be removed.



With main fascia removed from the heater, the extended fascia can hook onto its inside edge. With the extended fascia in place, reinstall the main fascia onto heater, press both the main and extended fascia into the front face of the enclosure before re-tightening screws with a 5mm hex key.

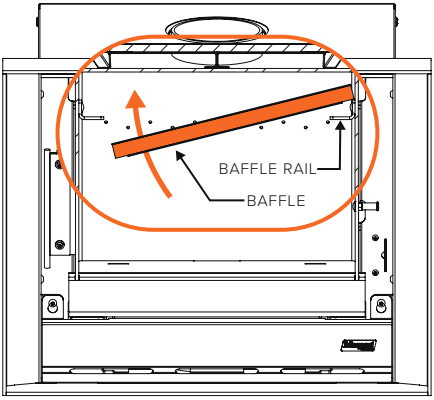


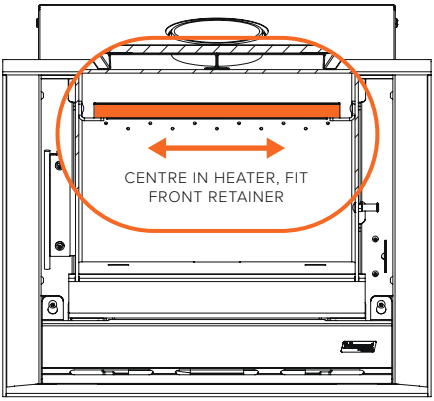


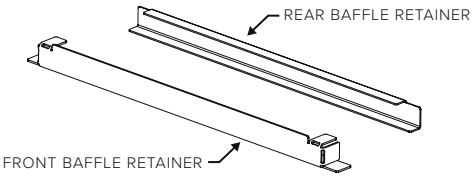
4. INSTALLING THE BAFFLE

The baffle should be installed before installing fire bricks.

1. Slide rear baffle retainer onto baffle, then place the baffle inside the firebox.
2. Raise the baffle, tilting the right side upwards.
3. Raise the right side of the baffle over the right baffle rail. Once clear of the right rail, push the baffle to the right side of the heater in order to clear the left baffle rail.
4. Once resting on both baffle rails, centralise the baffle so that gaps between each side and firebox are equal.
5. Install front baffle retainer onto baffle.



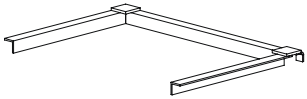


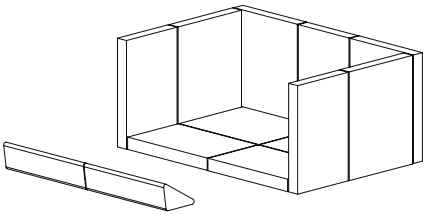


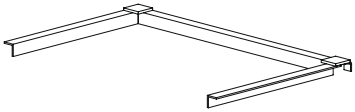
Ensure baffle retainers are fitted to baffle in the correct orientation - see above diagram. Note that the profile of the Front Baffle Retainer varies betwen Auburn 5 and Auburn 8 - Auburn 5 front retainer pictured above.

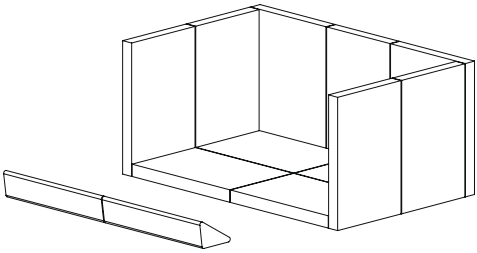
5. INSTALLING THE FIRE BRICKS

Place the bricks into the firebox as shown in the diagrams below for the Auburn 5 and Auburn 8. Once bricks are in, fit the retainer over the top to hold them in place.









Auburn 5:

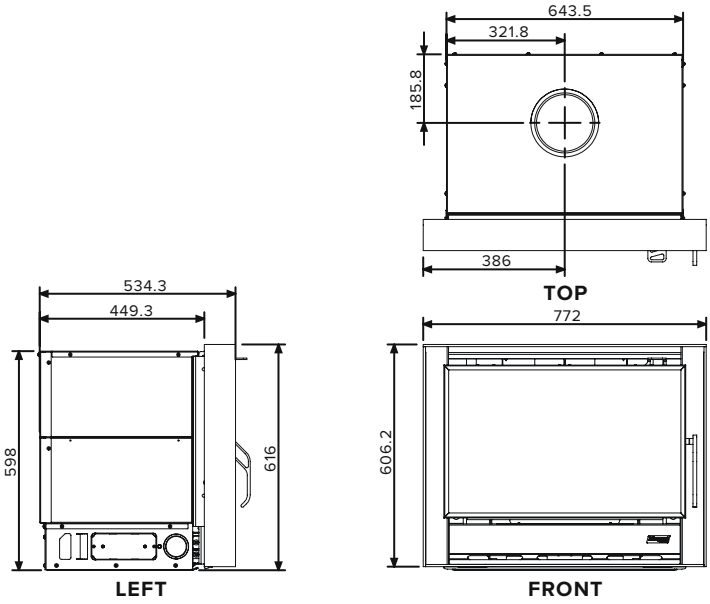
- Two full size (220 x 175 x 25) and one mid size (220 x 140 x 25) along the back.
- One full size and one mid size (220 x 140 x 25) along each side.
- Two full size and two mid size in the base.
- Two triangular bricks (220 long) at the front.

Auburn 8:

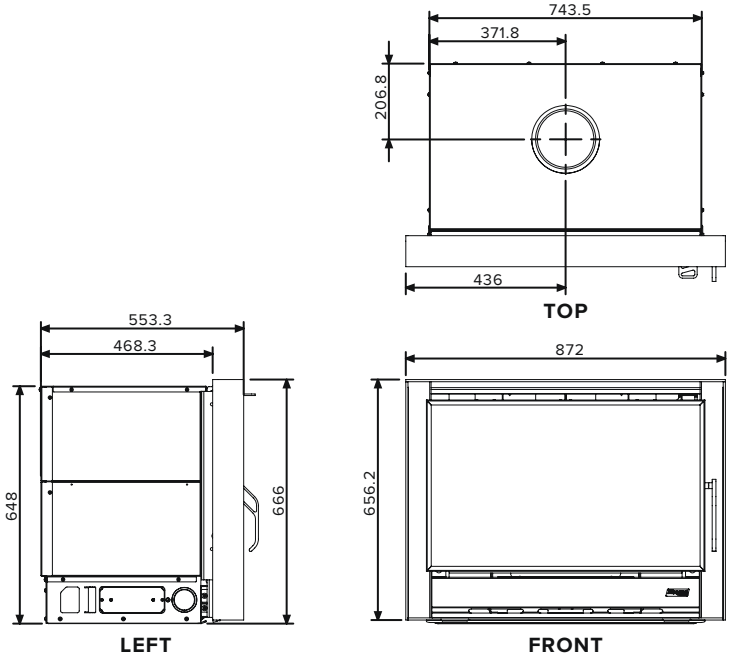
- Two full size (270 x 207 x 25) and one mid size (270 x 175 x 25) along the back.
- Two mid size along each side.
- Four mid size in the base.
- Two triangular bricks (270 long) at the front.

6. TECHNICAL DRAWINGS

6.1. MASPORT AUBURN 5 INBUILT (MA5IN)



6.2. MASPORT AUBURN 8 INBUILT (MA8IN)



Glen Dimplex Australia Pty Ltd

8 Lakeview Drive,
Scoresby Victoria 3179
Australia

T: 1300 554 155

General and Sales Enquiries: flame.care@glendimplex.com.au

Technical Service: flame.support@glendimplex.com.au

www.glendimplex.com.au