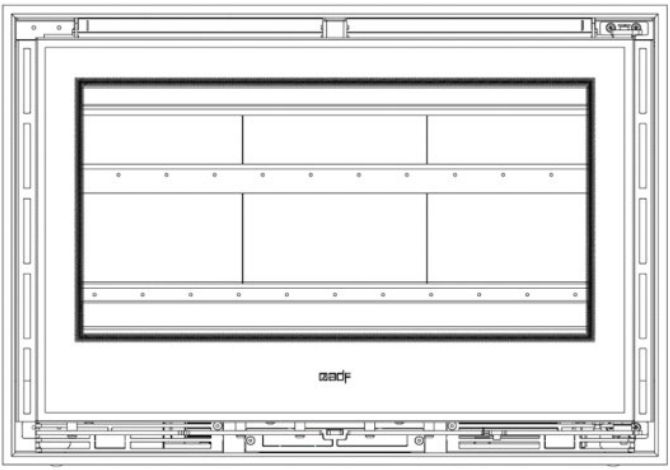
fabricante equipamentos térmicos

Owner's Manual

Clare Inbuilt 60VT, 80, 100
Zero Clearance Box Installation



Supplied by:
Castworks Pty Ltd
12 Fiveways Boulevard
Keysborough VIC 3173

TESTED IN ACCORDANCE WITH AS/NZS 4012:2014 & AS/NZS 4013:2014

Please read this manual thoroughly before installing and starting your free-standing appliance.

Keep these instructions for future reference.

Table of Contents

CE Marking label with serial number

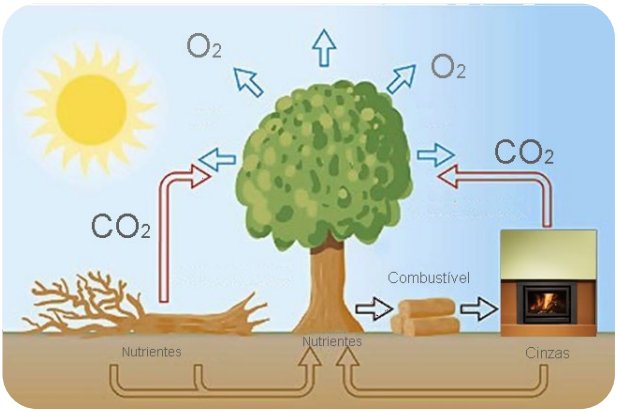
1. Introduction

Congratulations on your purchase of your new ADF woodfire appliance!
Years of extensive research and dedication to innovation and quality, since 1976, has resulted in these beautifully designed European appliances, constructed to strict Portuguese and European legislation, and tested and Certified to the Australian Emissions, Efficiency and Safety standard requirements guaranteeing excellent performance.

Please read this manual fully to ensure safe and efficient use of your heater and to comply with the warranty guidelines.

Solid Fuel – Ecological Energy

Through photosynthesis, plants capture energy from the sun and transform it into chemical energy. The trapped energy, e.g. in the form of wood, pellets, coal are called biomass fuels and can be converted into various forms: electricity, fuel or heat. Biomass burning causes the release of carbon dioxide into the atmosphere, but since this compound had previously been absorbed by the plants that originated the fuel, the CO2 emissions balance is zero, not contributing to the greenhouse effect on the planet.
Firewood is the most environmentally friendly way of producing heat in your home, as it is a fully renewable resource. The amount of CO2 that is released during the combustion of firewood is not higher than the amount that would be released from its natural decomposition. Wood ash is a mineral fertilizer easily absorbed by the environment in a totally ecological way.



Firewood – Use

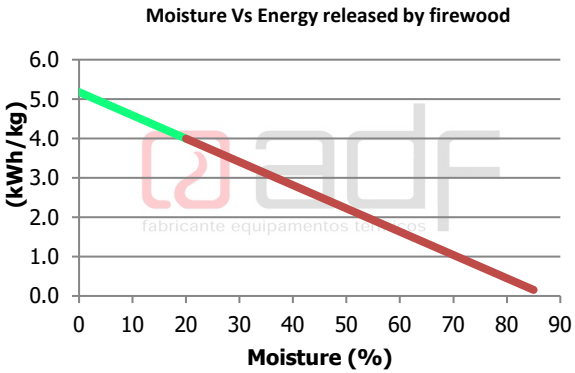
Choosing your wood
All wood types have a different calorific value. You should choose only well-seasoned hard woods. Do not use logs that are too large. Split round logs so they cannot roll and cause a hazard.

Drying your wood
Whichever firewood is chosen, it must be very dry and seasoned. Unseasoned or green firewood does not heat as much, because a large part of the energy is consumed in the evaporation of the water and creosote contained in the wood, which is highly corrosive and will damage the appliance and consequently it could void your Warranty. In addition, moist firewood produces a large amount of smoke and little flame, which will foul the appliance, the glass and the chimney. When raining the stored wood should be covered and well ventilated. Generally, green wood should be left to "season" for two years.

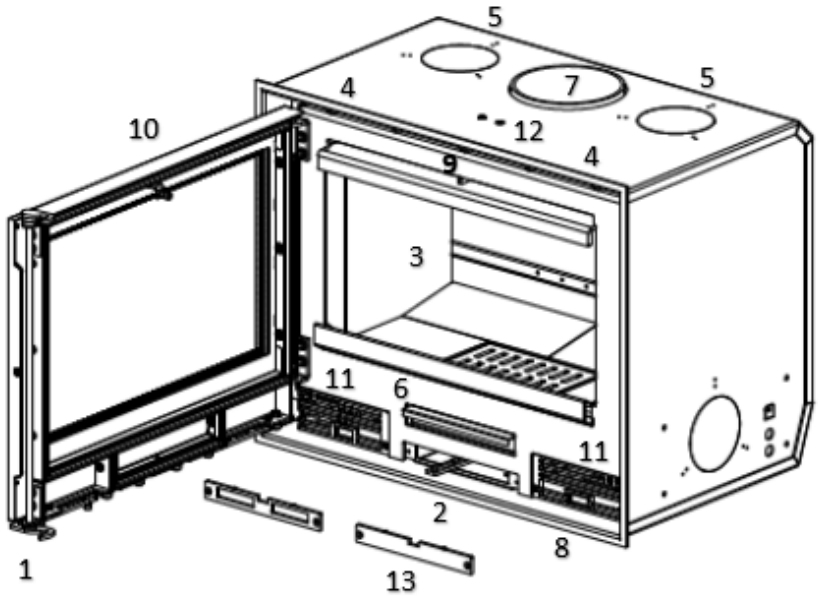
Wood to Avoid
Softwoods and low-density wood: This kind of firewood releases a lot of heat but burns too quickly and produces embers and resin that foul the chimney and the interior of your woodstove. These should be used as Kindling only, for starting your fire.

Do not use:
Wood with varnish, exotic wood, treated/painted timber, or compressed boards that can produce toxic fumes which will damage the appliance. Do not use drift-wood or coastal wood with high salt content, it will quickly damage the heater.

All ADF appliances are designed to burn firewood and firewood only, with less than 20% moisture content. The use of unseasoned firewood or firewood with moisture or other types of fuel not recommended will void the warranty. See below, the drier the wood the better heat you get out of it.

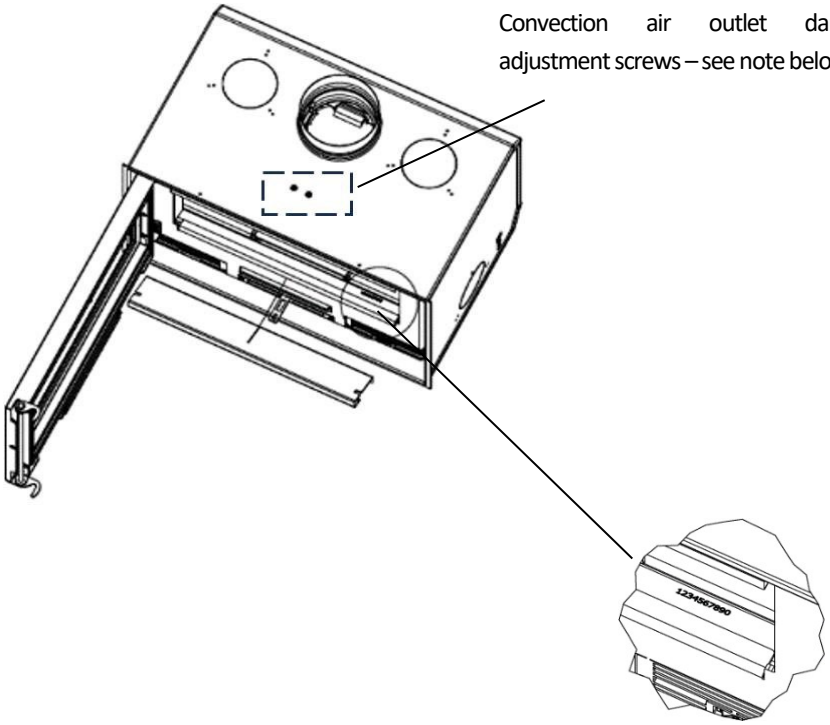


2- Appliance Layout



#	Description	#	Description
1	Door lever - pull out lever on Bottom RHS of door	8	Fan switch (I, 0, II)
2	Combustion Air control: Push/Pull slider at the base below the Door. Open (+) Pull to the Front Close (-) Push in to the Rear	9	Automatic Damper for flue exit
3	Vermiculite brick linings – side, rear, base, and lower baffle bricks. Upper baffle stainless steel.	10	Flue outlet draft adjustment – factory set
4	Convection air outlet	11	Convection Air Inlet
5	Air transfer Duct outlets (Inbuilt)	12	Convection damper locking screws- to adjust damper position for air transfer - See note on page 6.
6	Ash Drawer		
7	Smoke Outlet – Top Flue 7” or 6” Crimped (60VT)	13	Optional blanking plate when using outside air kit.

Note:
The serial number of your equipment is also marked on the equipment chassis, check under the base refractory. See the cutaway close up below.



Note: The screws are used to adjust the damper piece in the convection air outlet. They are intended solely for use when ducting from the top of the unit for the air transfer kit. It is crucial that this damper is never fully closed, as doing so could lead to overheating of the fan and the unit. Please consult your local agent before making any adjustments.

⚠ Important:

- Please read this manual thoroughly before installing and starting your free-standing appliance.
- Installation must be carried out by a licenced and certified installer.
- Keep these instructions for future reference.

3- Technical Specification

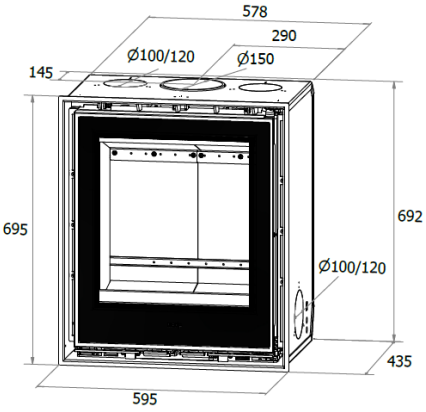
Specifications TESTED IN ACCORDANCE WITH AS/NZS 4012:2014 & AS/NZS 4013:2014 ASFT NATA Lab test: ASFT Burning Harwood	Unit	60VT	80 B	100 B
Maximum Avearge Heat Output	kW	7.3	7.7	10.0
Overall Average Efficiency	%	71	67	71
Particulate Emission Factor	g/kg	0.8	0.7	0.6
Maximum firewood load	kg	8.3kg	7.6kg	9.8kg
Minimum clearance distances from combustible materials	mm	See page 18.		
Flue Diameter	mm	152 (6”)	180 (7”)	180 (7”)
Recommended Fuel		Burn only Hardwood Moisture ≤ 20%		
Electrical Specification	W	38		
	V	220-240		
	Hz	50/60		
Fan Settings		Thermostat Low, Manual High.		

Model – Dimensions of outer Box Casing Dimensions (mm)	Width	Depth	Height	Weight
Clare 60VT	578	430	692	65
Clare 80	770	430	542	80
Clare 100	970	430	542	83

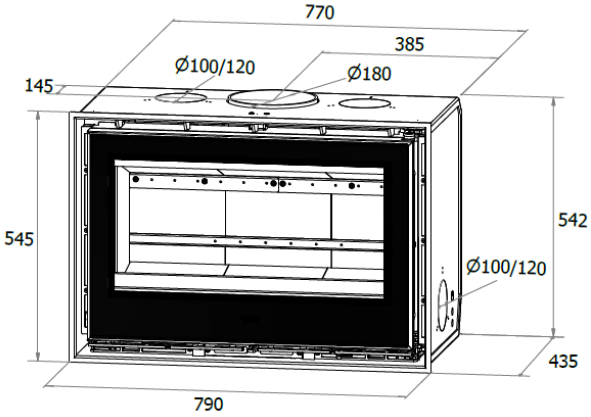
Model – Dimensions of front Trim Dimensions (mm)	Width	Height	Depth
Clare 60VT	595	695	2
Clare 80	790	545	2
Clare 100	990	545	2

Dimensions (mm):

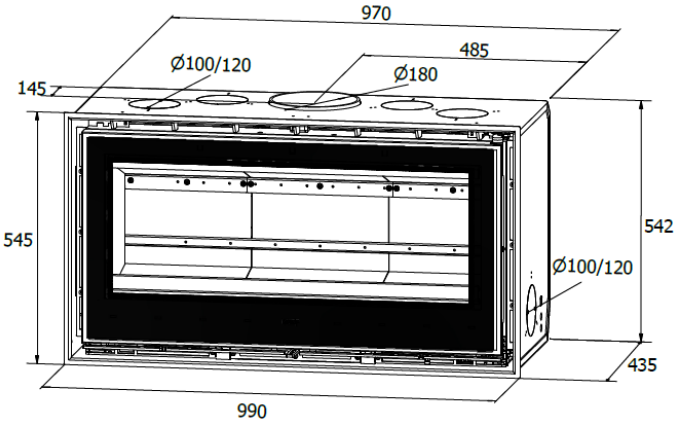
Clare 60S VT



Clare 80S

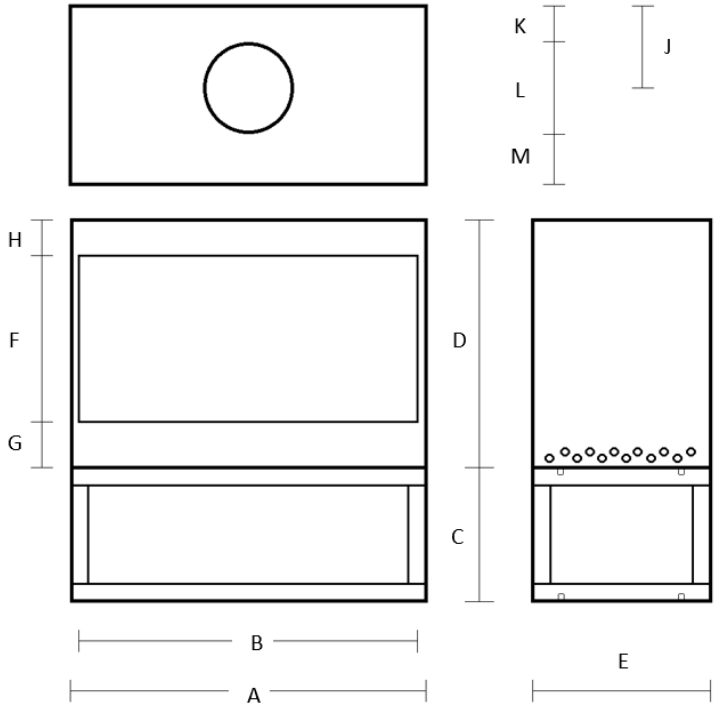


Clare 100



For assembly instructions see the ZCB manual.

Zero Clearance box dimensions for each model:



	A	B	C	D	E	F	G	H	J	K	L	M
Clare 60VT	**670**	**580**	**377**	**902**	**470**	**675**	**125**	**102**	**205**	**93**	**209**	**168**
Clare 80	**865**	**773**	**377**	**750**	**470**	**525**	**125**	**100**	**185**	**68**	**255**	**148**
Clare 100	**1060**	**973**	**377**	**750**	**470**	**525**	**125**	**100**	**185**	**68**	**255**	**148**

See page 18 for the build out dimensions.

WARNINGS:

A wood burning heater is, by its nature, an appliance that operates at high temperatures, so it is necessary to take into account potential risk factors that should be avoided at all costs. Children must be kept away from any combustion appliance and supervised in the room at all times.

Installation must be carried out by a licenced and certified installer.

The installation must meet the requirements of the manufacturers instructions, AS2918 and the Building Code of Australia.

The appliance must be installed in such a way as to allow easy maintenance.
Incorrect installation may cause serious damage to the equipment and the safety of people and property.

Before installing your appliance, please ensure the following:

- The appliance must be installed on a heat-resistant surface to 600°C.
- The floor must be structurally sound, to support the installation weight.
- The compartment below the heater should not be used to store combustible materials (NM-RS models).
- For tightly sealed homes, replacement outside air must be supplied to the room with the heater, a minimum equivalent to half the cross-sectional area of the flue, i.e. 90cm2 free air.
- Follow the clearances to combustible materials as shown on page 9. and 10.
- Your appliance must be non-permanently installed and easily accessible to ensure general maintenance (chimney and equipment).
- The equipment must not be cemented into its enclosure under any circumstances.

Keep these instructions for future reference.

WARNINGS:

- REFER TO COMPLIANCE LABEL – DISREGARD ANY CONTRADICTORY FUEL TYPE INFORMATION IN INSTRUCTION MANUAL
- **WARNING: THE APPLIANCE & FLUE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918:2001 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 4013:2014 WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING "TESTED TO AS/NZS 4013:2014".**
- **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 4013:2014.**

WARNINGS:

- CAUTION: MIXING OF APPLIANCE OR FLUE SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENETS 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.
- **WARNING: ANY MODIFICATION OF THE APPLICANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED AS BREACHING AS/NZS 4013.**
- **WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS TO START OR REKINDLE THE FIRE.**
- **WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHEN IT IS OPERATING.**
- **WARNING: DO NOT STORE FUEL WITHIN THE HEATER INSTALLATION CLEARANCES.**
- **WARNING: OPEN AIR CONTROL (AND DAMPER WHEN FITTED) BEFORE OPENING FIRING DOOR.**
- CAUTION: THIS APPLIANCE SHOULD NOT BE OPERATED WITH A CRACKED GLASS.
- THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS.
- THE USE OF SOME TYPES OF PRESERVATIVE-TREATED WOOD AS A FUEL CAN BE HAZARDOUS.
- THE APPLIANCE OR FLUE SYSTEM SHOULD NOT BE MODIFIED IN ANY WAY WITHOUT THE WRITTEN APPROVAL OF THE MANUFACTURER.
- BURN ONLY HARDWOOD
- Prior to installation check with your state and local authorities regarding any specific regulations that may apply.

4-Installation

Keep these instructions for future reference.
All local regulations, including those referring to national standards, must be observed when installing the appliance.

The floor must be structurally sound.

The Hearth must have a heat-resistant surface to 600°C, with an insulating thickness of non-combustible material equivalent to 6mm of cement sheet with thermal conductivity of 0.026m2.K/W per 6mm. e.g. 6mm Bellis Board or equivalent.

For well-sealed homes, replacement room air from outside with vent opening equivalent to 90cm2 must be supplied into the room.

The heater must have its own dedicated flue. The active flue must be the specified diameter for the entire length of the flue, and always less than 45 degrees from the vertical.

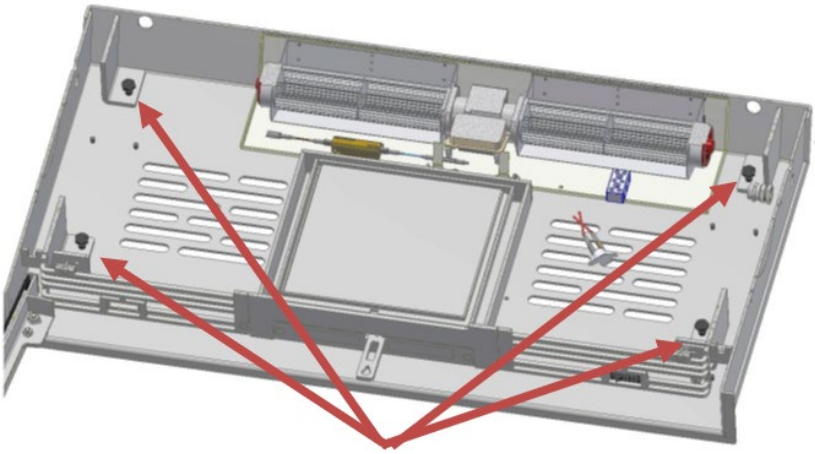
The Flue terminal must meet the minimum height and external clearances for the flue, according to AS/NZ 2918:2001, see the diagram shown below on page 22.

The ADF Clare range was tested with a triple skin flue kit in a Zero Clearance Box (ZCB) in a manner confirming to joint Australia/New Zealand Standard 2918:2001.

The base of the Clare in the ZCB was raised from the floor protector per the specifications for the following clearances to apply. AS2918 default clearances apply for installations directly on the floor.

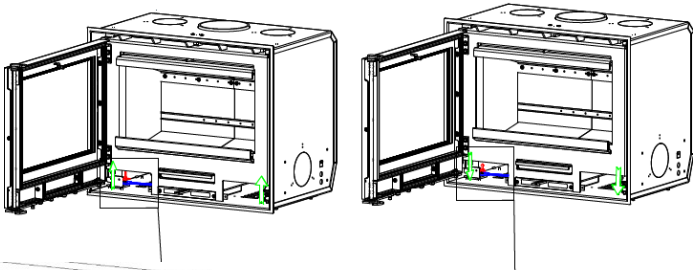
A minimum floor protector (Bellis Board or similar cement sheet) should be used under and in front of the appliance base when installing the appliance as per the specifications shown in the table on page 18. (see joint AS/NZS 2918:2001 3.3.2). The floor protector must be included below the ZCB stand, and extend 300mm in front of the appliance fuel loading door and be placed centrally in front of the heater width. The Thermal conductivity of the floor protector is 0.026m².K/W for 6mm thick sheets.

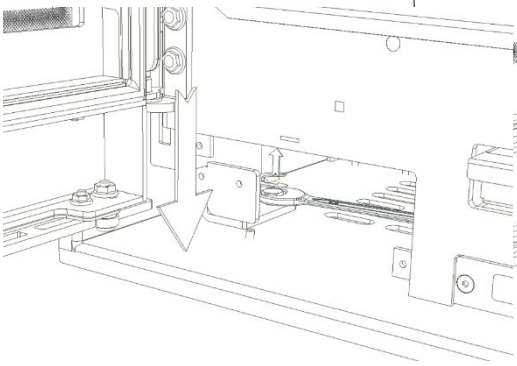
Clare levelling system – if required into masonry build:

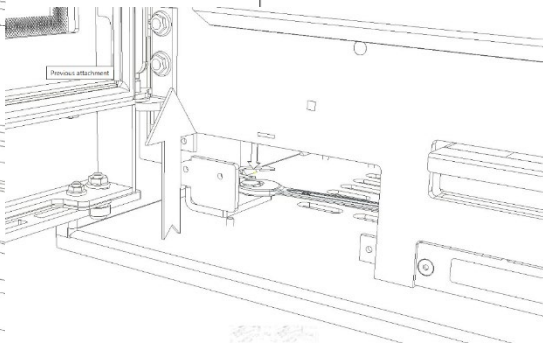


Levelling Feet – 4 x Adjustable M8x35mm Bolts

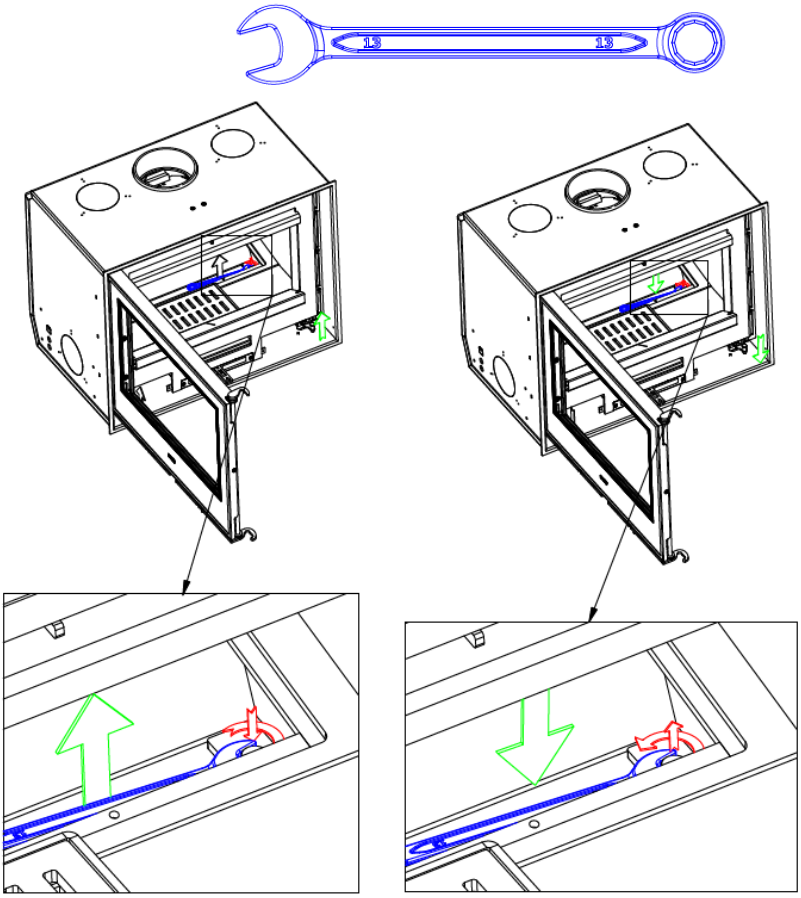
Note once the heater is in position, the front two feet can be adjusted through the front of the firebox, and the rear two feet through the fan access plate. Clockwise to Raise and Anti-clockwise to Lower:





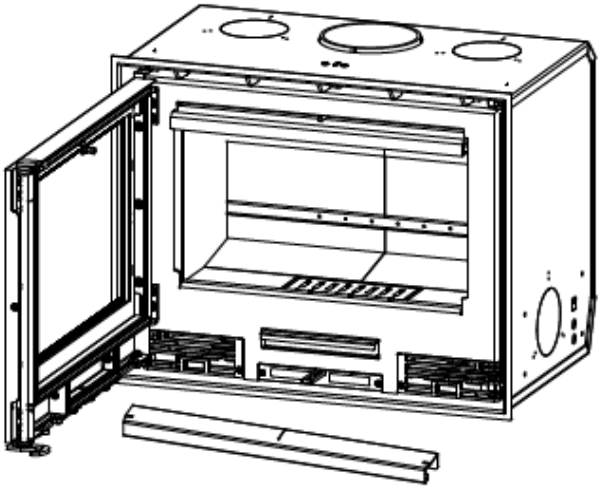


Access to the rear feet using a 13mm spanner below the fan access:

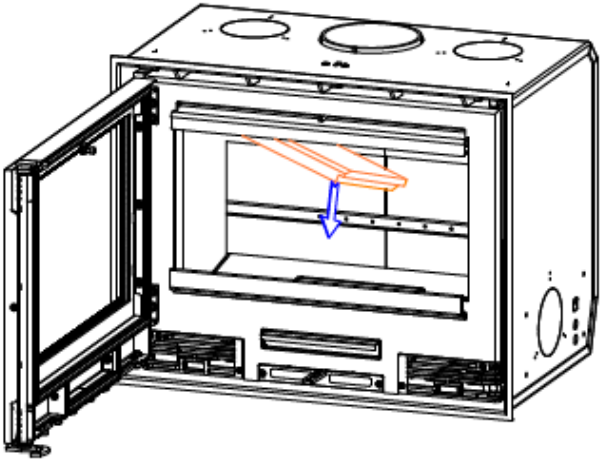


To Remove interior bricks and upper baffles for Maintenance. Ensure these parts are all correctly in place before commissioning/ first using the fire.

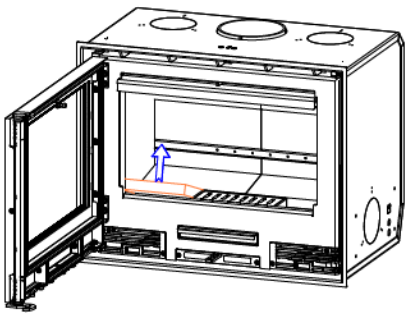
1. Remove ash retainer by lifting it out.

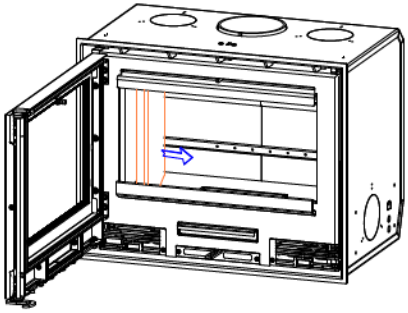


2. Remove the baffle bricks – Pull the Stainless steel Channel forward whilst supporting the middle brick, then lower the middle brick first before the sides, which rest on the side bricks. Note when re-installing the 60VT version, don't have the C-Channel too far forward or it will foul on the damper assembly trying to get it back in.

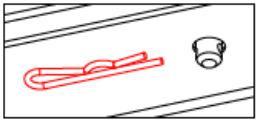


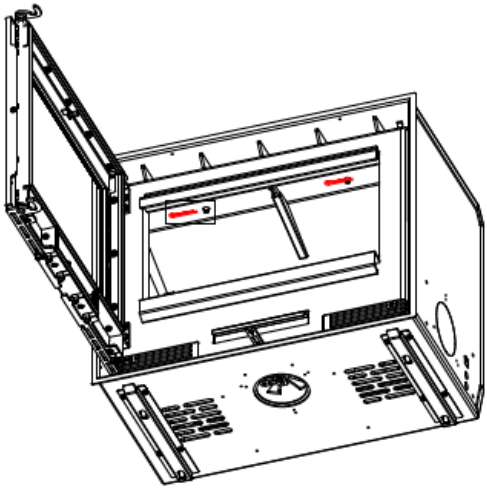
3. Remove the base bricks and then the side bricks



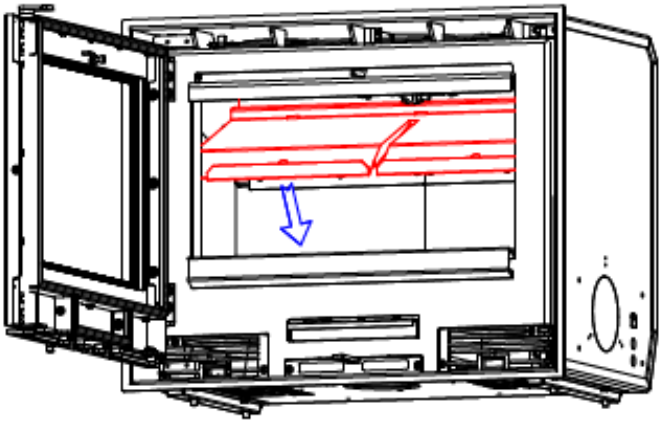


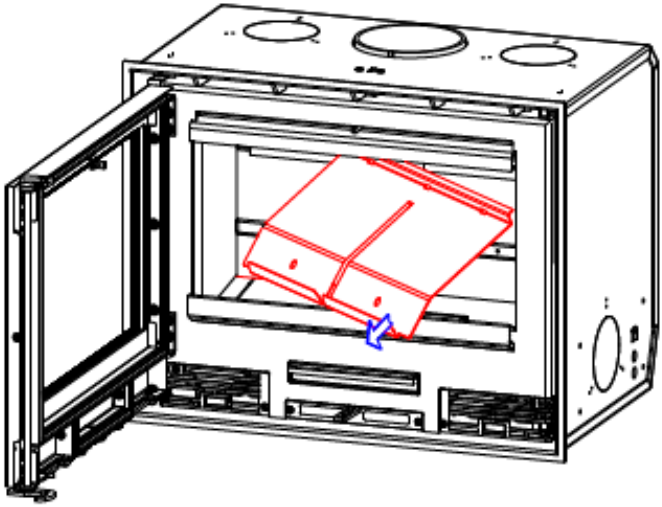
4. Remove the upper Stainless steel baffle – remove the R pins holding the upper baffle in place



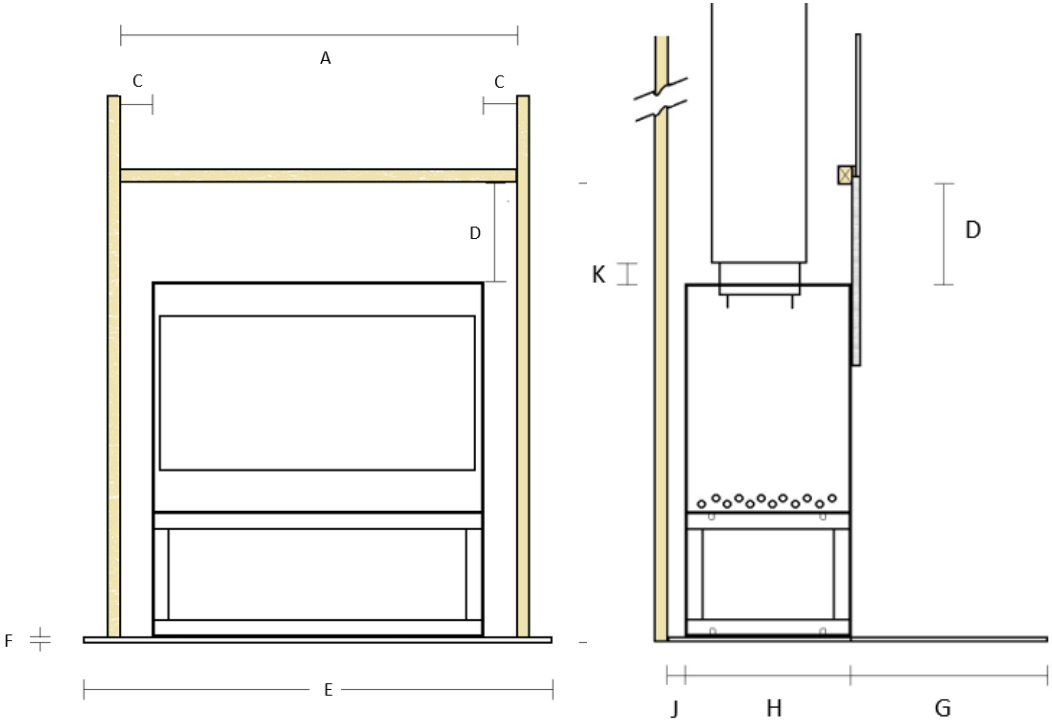


5. Pull the upper baffle down and forward, and then rotate out the door opening.





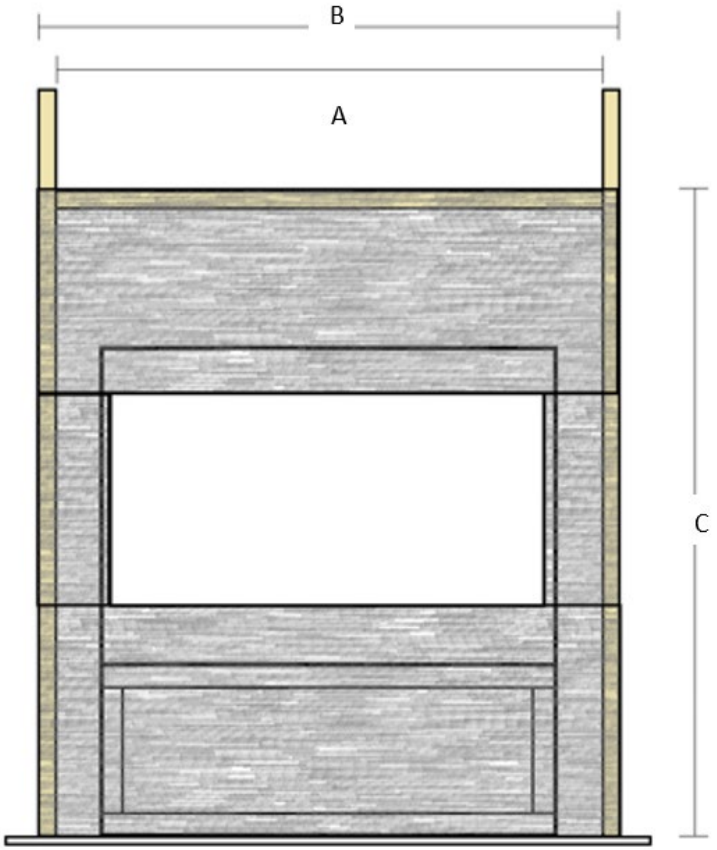
Timber Stud frame build out dimensions for Zero Clearance Box installation and Hearth size dimensions.
Note ALL noggins above the ZCB need to be heat resistant non-combustible.



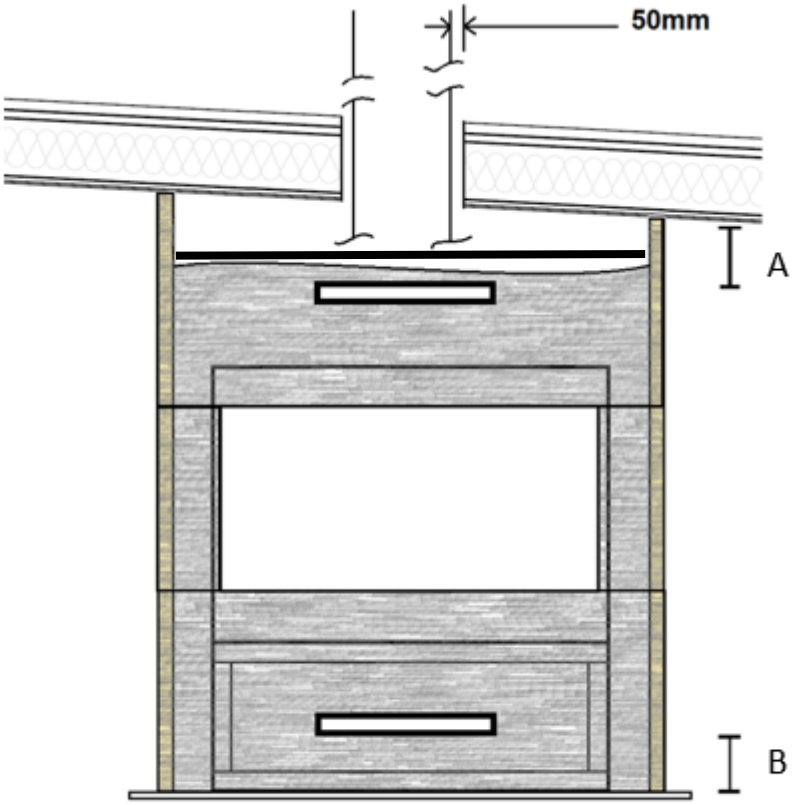
	A	B	C	D	E	F	G	H	J	K
Clare 60VT	870	1680	100	400	815	6	300	470	50	65
Clare 80	1065	1527	100	400	1005	6	300	470	50	65
Clare 100	1260	1527	100	400	1205	6	300	470	50	70

Minimum requirements for non-combustible fascia board.

	A	B	C	Side Clearance to Combustibles in front of board
Clare 60VT	870	960	1700	325mm
Clare 80	1065	1155	1550	450mm
Clare 100	1260	1350	1550	1200mm (Reduced clearance TBC)



Vent requirements for keeping the cavity cool.



Vents included below Zero Clearance box and below Inbuilt cavity cap

Model	Vent size	A – Top vent	B – Below ZCB
Clare 60V	290 x 90mm	At least 300mm below ceiling	50mm above hearth
Clare 80	400 x 90mm	At least 300mm below ceiling	50mm above hearth
Clare 100	400 x 90mm	At least 300mm below ceiling	50mm above hearth

Include a cavity cap directly above the upper vent, so that air being sucked into the lower vent, and rising through the ZCB to cool, drafts back into the room via the upper vent. And therefore no heat will pool between the upper vent and the cavity cap. This will reduce the amount of heat reaching the ceiling above.

Ensure there is no timber or cabinetry within:

- 1120mm above the 60VT ZCB
- 1265mm above the 80 ZCB
- 1265mm above the 100 ZCB

All units must have a flue ceiling penetration with a minimum of a 50mm air gap around the outer casing to combustible materials.
For the Clare 60 VT and 80 ZCB - must be fitted with a 450mm ceiling ring at the ceiling penetration.
The first noggin must be minimum 400mm above the ZCB, and clearance to the flue casing must be minimum 105mm to the 60VT, 100mm for the Clare 80 and 40mm for the from the Flue casing for the 100mm.

The Clare 100 ZCB installation, all Internal cavity wall noggins must be made of a non-combustible material above the ZCB.

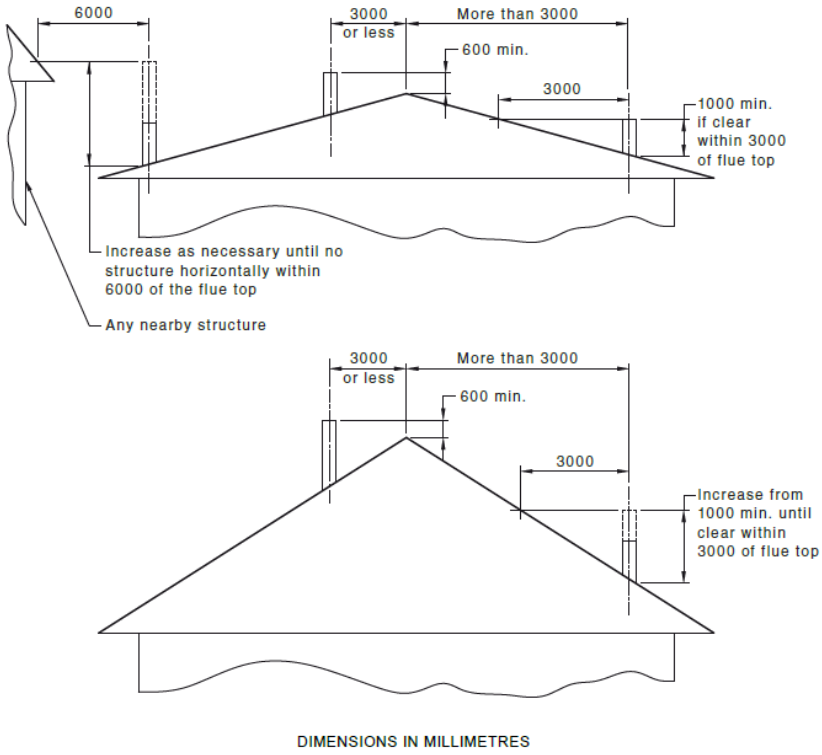
Flue Installation

Flue type: Triple skin flue, 150mm/200mm/250mm or 6”/8”/10”. The flue adaptor supplied must be used to ensure a tight fit into the heater collar. A solid 8” or 200mm solid casing is required for the flue shield below the drop box (ceiling penetration), spaced off the top of the heater 10mm to allow air flow intake.

The heater must have its own dedicated flue. The active flue must be 6” for the entire length of the flue, and always less than 45 degrees from the vertical.
Replacement room air from outside equivalent to 160cm2 must be supplied into the room.

Flue Outlet Positions

Minimum Flue Height as per AS/NZS 2918:2018



DIMENSIONS IN MILLIMETRES

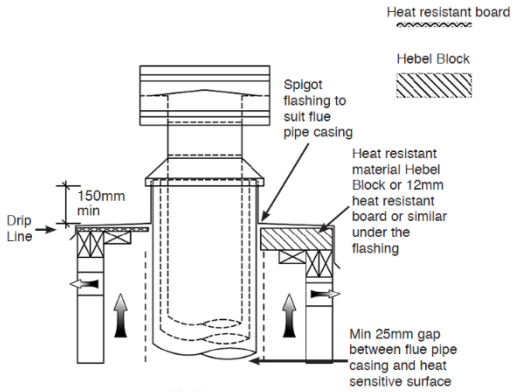
NOTE: Flue exit MUST also be higher than any nearby structure within a 6m Radius. (AS 2918:2018)

External Requirements

Refer to AS/NZS 2918:2018

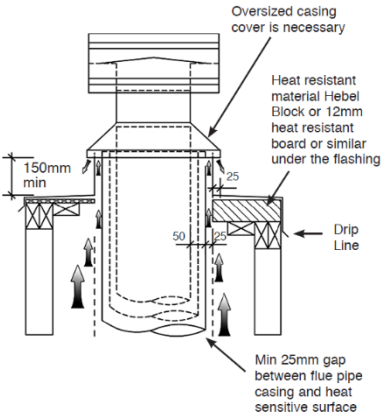
Note: All external air vents & ceiling penetrations must be bird & rodent proofed with permanently fixed screens

Air Ventilation Through Chimney Chase



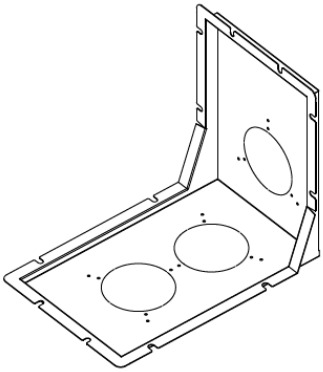
Air Vent
Minimum 2 x 80mm diameter or equal square or rectangle shaped area

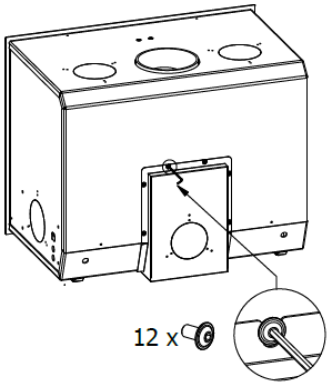
Air Ventilation Through Top Flashing



4 – To convert from Room air intake to Outside air intake:

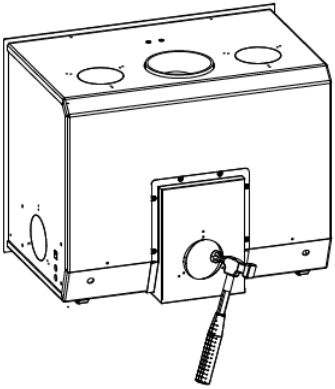
Kit - Clare Series Adaptor Kit for Air intake from Outside

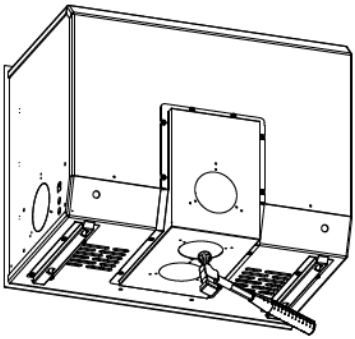




The adaptor is fitted to the unit with the 12 bolts provided.

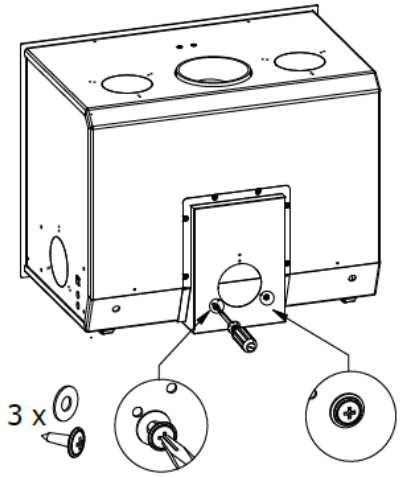
Punch out the perforated hole with a hammer, for either base or rear duct connection as required.

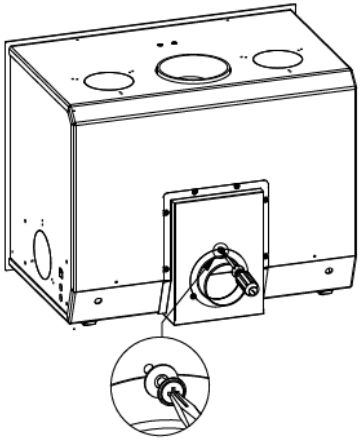




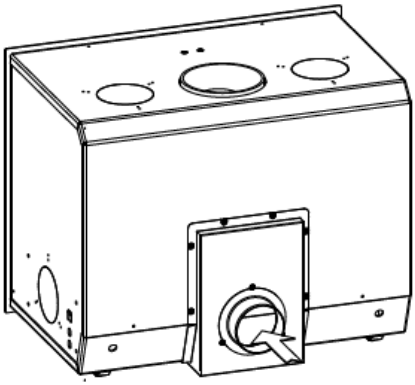
The adaptor has 3 perforated punch out positions, the extra position in the base is for installing the freestanding on a pedestal. If installing on a bench or plinth, ensure there is a cutout for the airway when designing the installation.

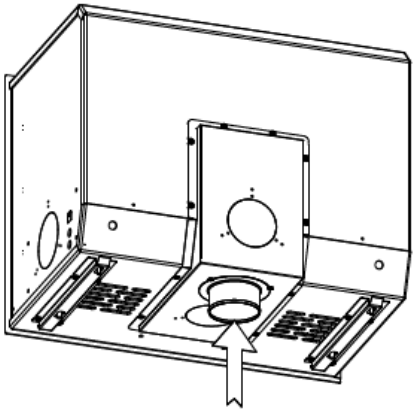
Fix the air duct spigot to the to the adaptor with the 3 screws.





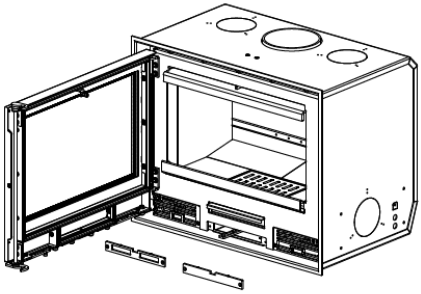
Spigot attached ready for either Rear or base connection:

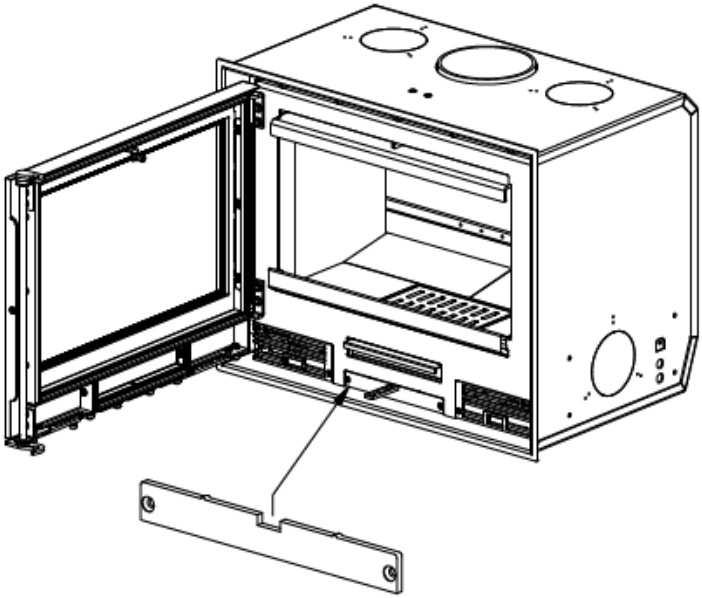




When using the outside air duct kit, swap the front plate from the open air intake version to the closed blanking version.

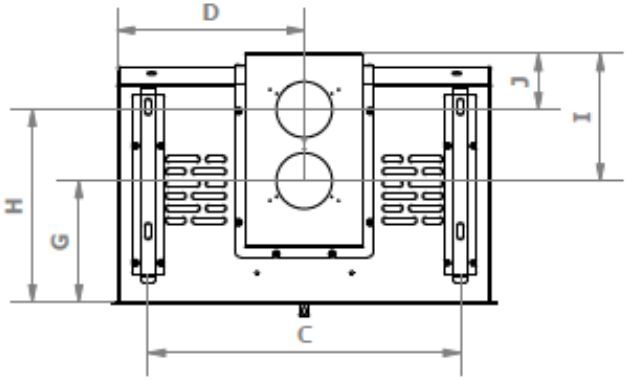
Front plate is swapped to the solid version for outside air kit as below.



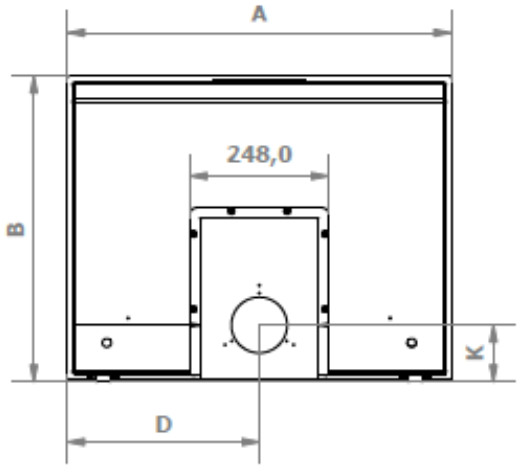


Note ducting position for Builders reference:

Base Elevation:

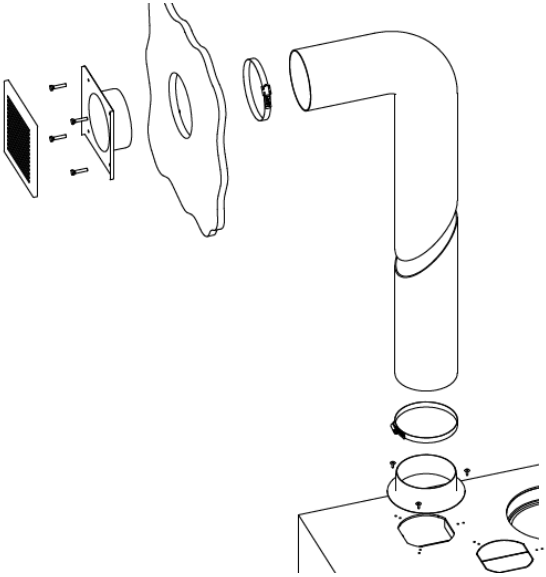


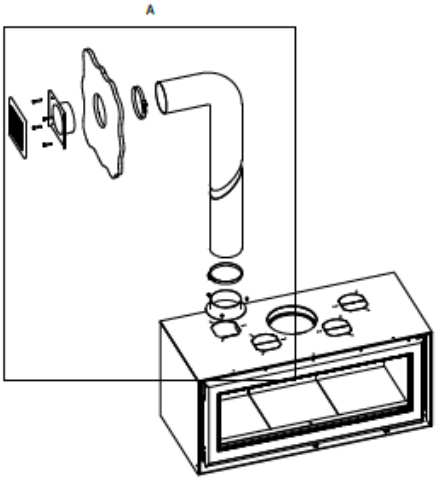
Rear Elevation:



	A	B	C	D	E	F	G	H	I	J	K	L
Clare 60(s)	595	515	465	297	160	265	215	345	100	300	100	260
Clare 60(s) Vt		695										
Clare 70(s)	690	545	560	345								
Clare 80(s)	790		680	395								
Clare 80 Q		695										
Clare 100	990	545	860	495								

To take ducting off the top of the unit for transferring to other rooms : -





See note on page 6 – contact your supplier regarding the adjustment of the convection air damper.

5- Fan (for fan models only).

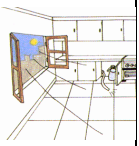
- Must be installed in accordance with AS/NZS 3000.
- Must be installed to the manufacturer's specifications.
- The Power supply must be installed by a licensed electrician.
- If the power cable is damaged, for any reason, do not use. Have the cord replaced immediately.

Electric circuit layout:
For full fan instructions see manual supplied with the fan.

⚠ ***Warnings***
Danger of Electrocution: *All electrical work must be carried out by a qualified electrician.*

Note: *All electrical components should be installed in an airy location away from hot parts.*

Important Recommendations

	The heater must be installed by a qualified and accredited professional.
	Caution: the outside surfaces of the equipment are hot; wear suitable protective gloves whenever you need to touch hot parts of the appliance and when loading firewood into the heater.
	Do not use the appliance as your incinerator. The combustion of domestic waste can cause the release of toxic fumes and cause early corrosion of the components of your equipment and void your warranty.
	This appliance is not a toy! Keep children away at all times.
	Check that the exhaust system is well dimensioned, ensuring proper drainage and that it follows the Australian standards in force, so that there is no undue smoke escape into the surrounding space.
	Keep combustible and flammable materials at a safe distance from the appliance (minimum 1.5 meters).
	***NEVER*** use liquid fuel.
	During the first use, curing of the paint occurs – which may give off some odours. Avoid inhalation and keep the area well ventilated. The first 2 firings should be made with small kindling fires with a minimal amount of wood, in order to allow the metal tensions to dissipate after manufacturing, and let the paint cure slowly, so it does not present imperfections later on.
	In case of adverse atmospheric conditions that disturb the drawing of smoke, it is advisable not to use the appliance.

CURING PAINT

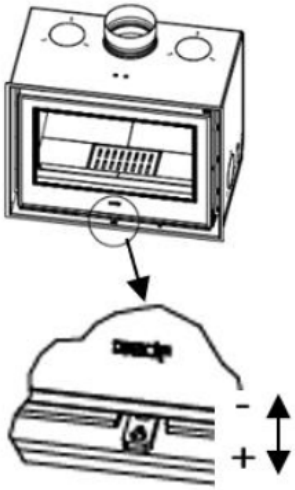
Further to the comments above about the curing of paint, please be aware that wood heater high temperature paints, used on the ADF range, go through a transition phase during the first few firings to reach their full hardness. So, for the first few days/fires, the paint cures; keep the burns gentle and not too large.
Factors involved in this curing process include temperature and time. The silicon resins in the paint require approximately 230°C for 30 minutes, so even after 3 burns, if the surface has not reached above 230°C for the required time, the coating may still not be cured. A thicker coating may also require a little more time and heat.
Having a very hot furnacing fire before the paint has fully cured will possibly result in damage to and peeling of the paint.

Do not use any cleaning products our water on the paint, especially before the curing process is completed.

7- Instructions for Use

Combustion Control:

Open (+), Pull the Air control out.
Close (-), Push the Air control in



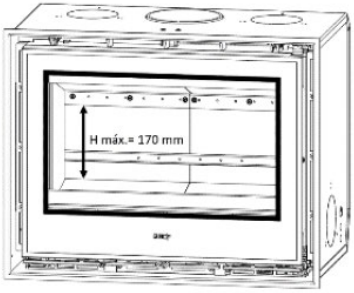
Lighting the Fire

1. It is extremely important, when first using or lighting for the first time for the season, to thoroughly examine the chimney and to make sure it is clean and unobstructed. Ensure the Chimney is swept regularly, if necessary, contact your local chimney sweep.
2. Do not overload the appliance, the appliance is designed to display a beautiful flame pattern.
3. Completely open the combustion air control, pulling it to the front. On the base of the fire use a small amount of easily flammable material such as scrunched up paper, firelighters, pinecones. Then lay fine kindling around and on this base in such a way that they are interlocking and self-supported, thus allowing air to flow around them and without the pile collapsing and suffocating.
4. Once the kindling is well alight, add some small split logs to the kindling stack, resting against each other or the back wall so the kindling doesn't collapse. Use about 1kg of split dry small logs of dry wood.
5. Keep the door slightly open, allowing the amount of air needed for a quick and efficient ignition, keeping the combustion air control fully open. Never leave the fire unattended whilst the door is left ajar.
6. After 5 minutes close the door and reduce the combustion air control to reduce the combustion air intake – pushing the air control lever inward.
7. There should be a good amount of coals.

After Firing

1. Slowly open the door, spread the embers evenly across the furnace base.

2. Place the wood logs (approximately 1 - 2kg each) front to rear, keeping the log away from the door glass. Do not overload the appliance – check your model in the specifications table for the maximum permissible load.
3. Choose a position in the combustion air control to produce a gentle, long-lasting burn, avoid uncontrolled burning with the air control left open.
4. Keep the ash bed away from the primary air slots at the front of the fire. Maximum height of the = wood load 170mm.



Notes:
Only reload with wood when the previous load has been fully consumed, do not overload the combustion chamber.
For well insulated houses or forced air ventilation in adjacent spaces, it is advisable to place a ventilation grid on an outside wall near the equipment of at least 90 cm2 and always be unobstructed. In this way, you supply the surrounding space with a good source of oxygen so that it does not run out, and the air masses move in the right direction. As for the air inlet grills, they must be positioned such that they can't be obstructed in any way. In the case of simultaneous operation with other heating appliances, sufficient oxygen must be ensured.

Warnings:

This appliance was not designed to work with the fire door open. Open the door for lighting and reloading only. Do not open the heater door suddenly or with the smoke control fully or partially closed, as the combustion chamber may overpressure, causing smoke or even flame out into the room.

Excessive combustion does not necessarily translate into more heating power nor into an increase of efficiency. Furnacing may also cause irreparable damage to the appliance if carried out for long periods of time.

In the event of malfunction, immediately extinguish combustion by closing the fuel inlet control and the smoke control, causing the fire to extinguish by itself due to lack of oxygen. Expose the problem to our services and / or agents to be resolved.
Salt environments or the use of firewood from coastal areas accelerate the oxidation process of your equipment (voiding the warranty).

8-Cleaning and Maintenance

To get the best out of your appliance, it should be regularly maintained and the flue regularly swept.

⚠ **Cleaning and maintenance should always be carried out when the appliance is cold**.

Cleaning

- The glass should be kept reasonably clean by the air wash.
  In cases where a log has been left too close to or touching the glass, or green wood/kindling has been used then use a glass cleaner available from your retailer.
  Ensure the glass cleaner does not come into contact with the metal parts or the rope seal.
- When removing excess ash when/as needed when fire is cool, place ash in a non-combustible container with a tightly fitting lid and move outdoors immediately to a location clear of combustible materials.

Maintenance

- At the end of the winter season, at which point the appliance will be out of use for some time, thoroughly clean out the ash and residues inside it without using any abrasive products.
- With the aid of a vacuum cleaner, vacuum the secondary air heating chamber above the lower baffle bricks.
- Over time, you may feel that the appliance needs to be repainted, if that is the case, paint the equipment using high temperature spray paint. Paint the equipment only when it is completely cold. Before painting, carefully cover any areas you do not want to soil (glass and fireplace) and follow the instructions on the paint can. Note the paint will produce a small odour in the first few firings, it is recommended to have a small fire initially and keep windows open for ventilation.
- Clean the chimney and the flame baffle at least once a year using a qualified technician if necessary.
- Periodically check and replace the door seal.
- Use only ADF recommended replacement parts.

To request service or replacement parts, you must have your purchase receipt and warranty certificate with the corresponding serial number.

Note:
You should not use water/chemical products to clean the inside/outside of your appliance.

Fire Hazard

Your ADF equipment has been designed following existing legislation and in order to minimize any risk of fire in the chimney, however in such cases:

	AS	NZS
	000	111

1. Keep calm and make sure the area is safe.
2. Close the stove door completely.
3. Completely close the combustion air inlet and, if possible, to do safely, cover the flue/chimney outlet.
4. The fire should be extinguished by itself due to lack of oxygen.
5. In the absence of safety conditions, move away from danger and request immediate rescue to Firefighters through the emergency number: 000 for Australia.
6. Before using the appliance again, have the chimney inspected and cleaned by a qualified technician.

9-Troubleshooting

If you follow the instructions given in this manual, you should not have any major problem in enjoying your appliance. However, before requesting service, please check the following:

1. All the instructions given in this manual have been complied with.
2. If there has been any recent change in the periphery that may have given rise to the problem.
3. If the problem falls into the following points.

Problem (s)	Possible Cause	Correction
The appliance is smoking	→ Closed smoke damper regulation (when door open) → Wet or green firewood. → Dirty or clogged chimney.	→ Check the baffle is moving freely when opening door. → Use drier wood. → Clean the chimney.
Weak or inefficient burn	→ Wet or green firewood. → Dirty or clogged chimney. → Insufficient firewood.	→ Use dry wood. → Clean the chimney.
Very fast burning	→ Low density firewood. → Poorly adjusted door → Filling cord consumed	→ Load the stove with more dense firewood. → Door readjustment → Replacement of the cord
The fire extinguishes	→ Wet or green firewood. → The appliance is not heated enough.	→ Use drier wood. → Leave the air lever open for longer to get a bed of coals before turning to low.
Blower not working	→ The thermostat's operating temperature has not been reached. → Power failure	→ Load more firewood. → Check outlets and connections
Dirty glass	→ Wet or green firewood. → Logs too close to or resting on the glass.	→ Slightly open the air inlet control → Use dry wood. → Keep logs parallel to and away from glass.

If the problem persists, please contact your retailer of the original purchase, to assist you to resolve the problem.

10-Warranty Conditions

Warranty:
ADF offers the purchaser of this appliance a limited 10-year warranty against manufacturing defects from the date of purchase:
For the warranty to be valid, all the instructions contained in this manual should be followed and the Warranty Certificate must be completed and authenticated by our reseller upon purchase.

Equipment structure	10 - year Warranty
Electrical components	2 - year Warranty
Glass, Refractory Firebricks, Door seal, Glass, Flame Grate, Paint	Not covered by warranty as their use is out of the manufacturers control and subject to quality of firewood, and user operation.

Note: Salt environments or the use of firewood from coastal areas accelerate the oxidation process of your equipment (voiding warranty terms).

The warranty is voided by any evidence of tampering by unauthorised persons, misuse or abuse, or if the product has not been used as per the instructions.

Exclusions:
-Defects caused by wear, abuse, misuse, lack of maintenance, failure to comply with installation / use rules, neglect or other external causes.
Glass, refractories, seals, glass, ash grate, smoke exhaust mechanism and paint as they are subject to wear and tear that is beyond the manufacturer's control, such as firewood quality and operating regimes.
-Corrosion of any kind, examples:
Moist, green or coastal firewood, operating regimes, lack of maintenance, environmental conditions, inadequate ventilation, type of combustion air supply, corrosive chemicals.
-Acts of God (for example weather conditions, problems caused by hurricanes, earthquakes, floods, lightning / lightning), or acts of terrorism or war that result in malfunction of the device are not covered by the terms of this warranty.

Conditions to activate the warranty:

1. The appliance must be within the time limits described above (the date from which the product was purchased will be considered as the start of the warranty period).
2. The complaint must be presented and validated by one of our agents and endorsed by ADF.
3. The installation, use and maintenance conditions described in this manual have been strictly respected and no misuse has occurred, or changes or modifications made to the product.
4. The Warranty is limited to the replacement / repair by ADF or its agent of the components known to be damaged and excludes any other type of cover or damages.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits given under this Limited Warranty are in addition to other rights and remedies you have under the Australian Consumer Law that cannot be excluded.

Warranty Certificate

Reseller's name:

Model: _____**Serial number: _____**

Sold to: _____ in: _____/_____/_____

Address: _____

Postal Code: _____-____Tel: _____Email: _____

Reseller's stamp

_____
Client Signature

_____

Note: The Warranty is limited to the replacement / repair by ADF or its agent of the components known to be defective and excludes any other type of coverage or compensation such as the costs of transportation, removal or reinstallation of the equipment.

ATTENTION
When the equipment is delivered, please check it.
The warranty only covers damage caused during transportation if notice was given and marked on the document acknowledging receipt of the device within 24 hours.

11-Data Label details – found on appliance

Clare 60 Vt

TESTED BY: AUSTRALIAN SOLID FUEL TESTING 3 GARDEN ST, MORWELL, VIC 3840 AUSTRALIA	Unit	TEST REPORT NO: ASFT24001 DATED: 01/2024
WHEN TESTED IN ACCORDANCE WITH AS/NZS 4012:2014 & AS/NZS 4013:2014 Burning Hardwood		
Maximum Avearge Heat Output	kW	7,3
Overall Average Efficiency	%	71
Particulate Emission Factor	g/kg	0,8
Maximum firewood load	kg	8,3
Minimum clearance distances from combustible materials	mm	See Page 7.
Flue Diameter	mm	150
Imported By: Castworks, 12 Fiveways Boulevard, Keysborough, Vic 3173		Manufactured by: A.D.F. Lda. Z.I. Relvinha, Sarzedo A.P. 55 3304-909 Arganil-Portugal

Clare 80

TESTED BY: AUSTRALIAN SOLID FUEL TESTING 3 GARDEN ST, MORWELL, VIC 3840 AUSTRALIA	Unit	TEST REPORT NO: ASFT24011 DATED: 01/2024
WHEN TESTED IN ACCORDANCE WITH AS/NZS 4012:2014 & AS/NZS 4013:2014 Burning Hardwood		
Maximum Avearge Heat Output	kW	7,7
Overall Average Efficiency	%	67
Particulate Emission Factor	g/kg	0,7
Maximum firewood load	kg	7,7
Minimum clearance distances from combustible materials	mm	See Page 8.
Flue Diameter	mm	180
Imported By: Castworks, 12 Fiveways Boulevard, Keysborough, Vic 3173		Manufactured by: A.D.F. Lda. Z.I. Relvinha, Sarzedo A.P. 55 3304-909 Arganil-Portugal

Clare 100

TESTED BY: AUSTRALIAN SOLID FUEL TESTING 3 GARDEN ST, MORWELL, VIC 3840 AUSTRALIA	Unit	TEST REPORT NO: ASFT23080 DATED: 12/2023
WHEN TESTED IN ACCORDANCE WITH AS/NZS 4012:2014 & AS/NZS 4013:2014 Burning Hardwood		
Maximum Avearge Heat Output	kW	10,0
Overall Average Efficiency	%	71
Particulate Emission Factor	g/kg	0,8
Maximum firewood load	kg	9,8
Minimum clearance distances from combustible materials	mm	See Page 8.
Flue Diameter	mm	180
Imported By: Castworks, 12 Fiveways Boulevard, Keysborough, Vic 3173		Manufactured by: A.D.F. Lda. Z.I. Relvinha, Sarzedo A.P. 55 3304-909 Arganil-Portugal