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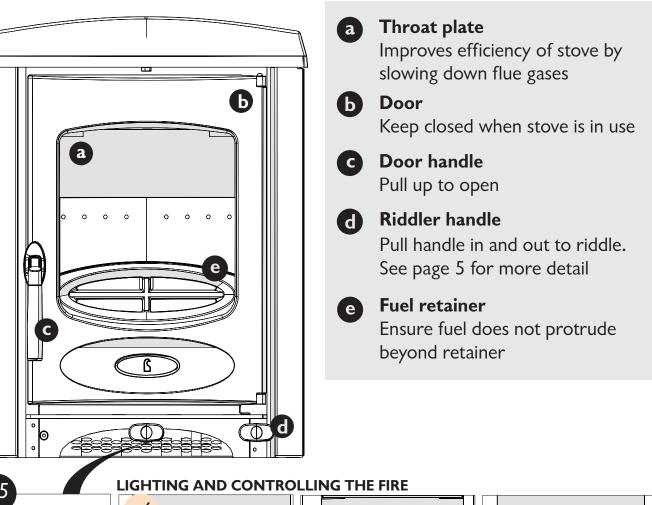
#### **OPERATING INSTRUCTIONS**

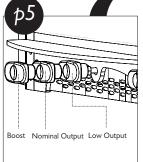
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#### INSTALLATION INSTRUCTIONS

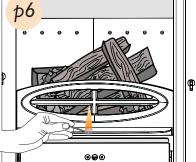
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# **QUICK GUIDE** Your Charnwood at a glance





Air control

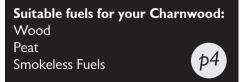


Add kindling and paper or firelighters. Keep air control fully out and close door

Once kindling is alight, add small logs. Keep air control fully out and close door Add larger logs once fire is established. Air control can be reduced to nominal

#### MAINTENANCE AND CLEANING

Glass	Wipe with damp, lint free cloth. Any stubborn deposits on the glass may be removed with a proprietary stove glass cleaner or ceramic hob cleaner	
Throat plate	te Take down once a month and clean. Sweep sooty deposits into fire	
Ash pan	Ash pan is removed using tool provided. Empty ash pan before ash come into contact with underside of grate	
Chimney	Have chimney swept twice a year. Chimney can be swept through stove	
Servicing	Stove should be serviced by a professional at least once a year $p9$	



#### GENERAL

Before lighting the stove, check with the installer that the work and checks described in the Installation Instructions have been carried out correctly and that the chimney has been swept, is sound and free from any obstructions. The stove is not suitable for use in a shared flue system.

Remember that the stove will be hot and that it is made from hard materials – ensure that you have good balance before operating the fire.

Do not use an aerosol spray on or near the stove when it is alight. There is a risk of explosion or flash ignition of the spray.

When using the stove in situations where children, aged and/or infirm persons are present, a fireguard must be used to prevent accidental contact with the stove. The fireguard should be manufactured in accordance with BS 8423:2002.

The stove is suitable for intermittent operation.

#### FUEL

Please pay careful attention to the special points made with each type of fuel as they will help you to get the best from your stove. It must be remembered that only smokeless fuels may be burnt in smoke control areas on this stove. If you are not sure whether you are in a smoke control area, please check with your Local Authority.

At first you may find it helpful to try several fuels to find the most suitable. If you are unable to obtain the fuel you want, ask your supplier, or an approved fuel distributor, to suggest an alternative.

# PETROLEUM COKE IS NOT SUITABLE FOR USE ON THIS APPLIANCE. ITS USE WILL INVALIDATE THE GUARANTEE.

#### Smokeless Fuels

Only authorised smokeless fuels may be burned in smoke control areas on this appliance. Your local fuel supplier or stove shop will be able to advise you which fuels are available locally. Take care to only burn good quality fuels in order to obtain the greatest efficiency and to maintain the life of the appliance.

Recommended smokeless fuel is HomeFire.

#### Wood

Only dry well seasoned wood logs should be burnt on this appliance as burning wet unseasoned wood will give rise to heavy tar deposits in the stove, on the glass and within the chimney. For the same reason hard wood is better than soft wood. Burning wet unseasoned wood will also result in considerably reduced outputs. The wood logs

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should be cut and split and then left to season in a well ventilated dry place for at least one year but preferably two years before use and should have a moisture content of less than 20%. The maximum log size to be used is 300mm (13.7 inches) long, 75mm (3 inches) in diameter.

#### Peat

Ensure that the peat is well dried before use. Burning wet peat will give rise to heavy tar deposits and reduced outputs

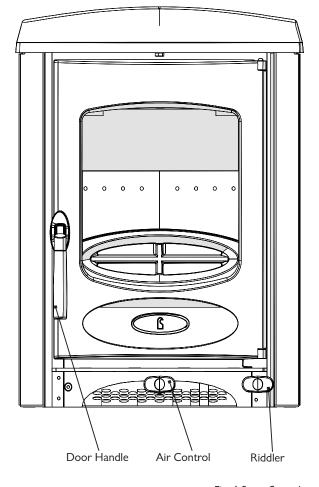


Fig. 1 Stove Controls

#### **MULTIFUEL GRATE**

Your Charnwood stove is fitted with a multifuel grate which enables both solid fuels and wood to be burned effectively. The grate has two positions:

1) In the solid fuel position the grate bars are vertical with gaps in between allowing primary combustion air to come up through the grate and through the fuel bed.

2) In the wood position the grate bars are horizontal. In this position ash is able to build up on the grate as is necessary for effective wood or peat burning.

Movement of the grate from one position to the other is effected using the riddler handle, as shown in Fig. 3. To put the grate into the solid fuel position, pull the handle out fully.

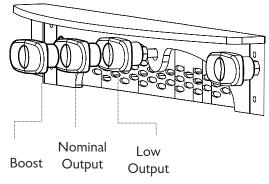
To riddle the appliance, pull the riddler handle rapidly in and out several times. When burning wood or peat, the ash should be allowed to build up and riddling should only be carried out once or twice a week, using the glove provided if necessary.

#### **CONTROLLING THE FIRE**

The rate of burning and hence the output is controlled by the air control (see Fig. 2).

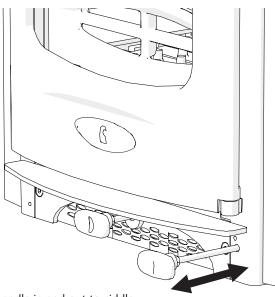
Open the air control fully (boost position) when lighting or when rapid burning is required. It should not be left fully open for long periods as this can cause over-firing or excessive smoke production. For a higher burning rate move the air control to the 'nominal output' position or for low burning to the fully closed position.

When the fire is burning normally the air control gives enough airwash to keep the glass clean. However, it will not always be possible to keep the glass clean with the air control fully closed.



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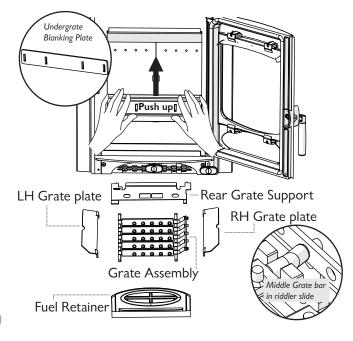


Pull handle in and out to riddle Fig. 3 Riddling and setting the grate: C Four Insert

#### **BEFORE LIGHTING**

For best results when burning smokeless fuel the undergrate blanking plate needs removing. To remove the undergrate blanking plate start by removing the fuel retainer, this will need to be lifted out at an angle to avoid knocking the stove. Once the fuel retainer has been cleared, lift out the left and right grate plates which will allow access to grate assembly. Carefully remove the grate assembly by lifting the grate support bars from underneath. Lift out the rear grate support to reveal the undergrate blanking plate. Applying equal pressure to both sides, push up the undergrate blanking plate from the hooks on the undergrate air inlet and remove and keep for future use.

Reassemble by following the above steps ensuring that the middle grate bar is located in the riddler slide as shown below.



#### LIGHTING

On initial lighting, the stove may smoke and give off an odour as the silicon paint with which the firebox is painted reacts to the heat. This is normal and will cease after a short time, but meanwhile the room should be kept well ventilated. At first only light a small fire and burn it slowly for two hours to allow any residual moisture in the chimney to evaporate. The lighting process is shown in Figs. 4-7.

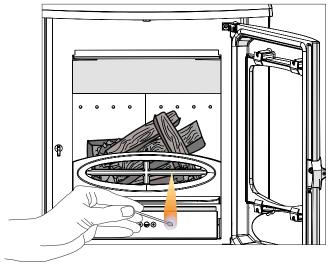


Fig. 4 Initial firing

When burning wood only, light the stove using dry kindling wood and paper or fire lighters. It is recommended that you use approximately 1kg to 1.2kg of kindling. Put the paper, or fire lighters, and kindling in the firebox and cover with a few small dry logs. Open the air control fully (see Fig. 2). Light the paper or fire lighters. The door may be left cracked open for a few minutes to assist the combustion and heat up the firebox more quickly.

When the kindling wood is well alight add a few more small logs and

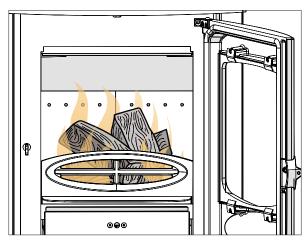


Fig. 5 Building up the fire

close the door, but leave the air control fully open.

When the flames are established around the smaller logs, load the

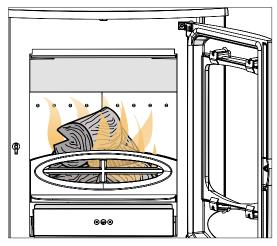


Fig. 6 Adding larger logs

stove with larger logs to the required fuel load. Logs should be no more than 75mm in diameter and 300mm long. Close the door. Maintain the air control at maximum at this stage.

Once long flames appear over the fire, reduce the air control to the

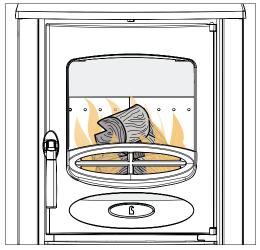


Fig. 7 Fire well underway

'nominal output' setting. Once the fire is well established - with each log alight at the top - the air setting can be reduced again, depending on the type of fire required. If at any stage the flames start to go out or the glass begins to discolour, a higher setting is required. To achieve this, pull the air control back out to re-establish a consistent burn.

Once the fire is up to temperature the airwash system will begin to work, so allow the fire to become hot before adjusting the air control to the required setting. During the lighting period, do not leave the stove unattended. Do not leave the door open except as directed above to avoid excessive smoke.

When relighting the stove, leave the ash on the base unless it is becoming too deep, in which case some of it may be removed. If burning smokeless fuel, clear the grate and empty the ashpan before relighting. When burning smokeless fuel follow the same lighting process as shown in figures 4-7 but use small kindling at first and then 1.9kg of heavier section (25mm square section) wood to give a good firebed.

Once the heavier section wood has established flame, add the mineral fuel, shut the door and pull the slider fully out. Push the slider in to desired setting once the fire is established in the coal.

#### REFUELLING

Keep the firebox well filled but do not allow fuel to spill over the top of the fuel retainer.

Logs should be evenly distributed, filling the firebed to give the most pleasing flame pattern. The air control must be fully opened after refuelling until the flames are established above the fire. It is best to refuel on to a hot fire bed of ash. If at this point the fire starts to die, the door must be cracked open until the fire is revived. If the fire has started to die down before refuelling, then more kindling wood must be added, the air control opened fully and the door cracked open to re-establish the firebed **before** adding fresh fuel. This will avoid excessive smoke emission.

Care should be taken, especially when burning wood, that fuel does not project over the fuel retainer or damage to the glass may be caused when the door is closed. It can also cause blackening of the glass. Maximum filling height is such that logs cannot fall from the fire when the door is opened. In smoke controlled areas do not fill the stove above the level of the air holes in the back bricks, as overloading can cause excess smoke. Liquid fuels are not to be used on this appliance.

When relighting the stove, leave the ash on the base if burning wood, unless it is becoming too deep, in which case some of it may be removed. If burning solid fuel, clear the grate and empty the ashpan before relighting.

#### ASH CLEARANCE

The ashpan should be emptied regularly before it becomes too full. Never allow the ash to accumulate in the ashpan so that it comes in contact with the underside of the grate as this will seriously damage the grate bars. The ashpan is handled using the tool provided. Care should be taken to ensure that ash is cool before emptying it into plastic liners or bins.

To make ash removal easier there is a special Charnwood ash carrier available. This may be purchased from your supplier or, in case of difficulty, directly from Charnwood.

#### **REDUCED BURNING**

For reduced burning the fire door must be closed.

When burning wood in areas that are not smoke controlled, load some large logs on the fire and allow to burn for half an hour before closing the air control (this will help to reduce tar deposits in the chimney). Some experimentation may be necessary to find the setting most suitable for the type of fuel being used and the draw on the chimney.

To revive the fire, empty the ashpan (if burning fuel other than wood), riddle the fire, and open the air control to maximum. When the fire is burning well load on more fuel as necessary and adjust the air control to the desired setting.

#### **CLEANING AND MAINTENANCE**

#### Cleaning

The stove is finished with a high temperature paint which will withstand the temperatures encountered in normal use. This may be cleaned with a damp lint-free cloth when the stove is cold. Should repainting become necessary, high temperature paints are available from your supplier or from stove shops.

#### **Cleaning the Glass**

Most deposits on the glass may be burnt off simply by running the fire at a fast rate for a few minutes. If it becomes necessary to clean the glass then open the door and allow it to cool. Clean the glass using a damp cloth and then wiping over with a dry cloth. Any stubborn deposits on the glass may be removed with a proprietary stove glass cleaner or ceramic hob cleaner. Do not use abrasive cleaners or pads as these can scratch the surface which will weaken the glass and cause premature failure.

#### When Not in Use

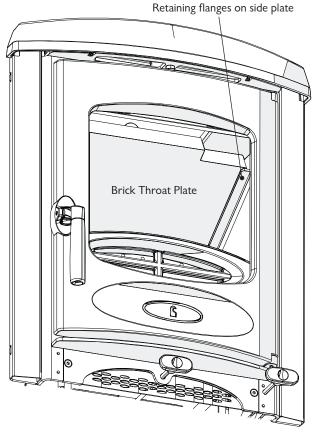
If the fire is going to be out of use for a long period (for instance in the summer) then to prevent condensation, and hence corrosion, the air control should be left fully open and the fire door left ajar. It is also advisable to sweep the chimney and clean out the fire. Spraying the inside of the door and firebox with a light oil, such as WD40, will also help to keep all internal parts working well. After long periods where the fire has been out of use, the chimney and appliance flueways should be cleaned before lighting.

#### **Door Seals**

For the fire to operate correctly it is important that the door seals are in good condition. Check that they do not become worn or frayed and replace them when necessary.

#### **OPERATING INSTRUCTIONS**

Fig. 9 Throat Plate Position and Lowering



#### SERVICING

It is recommended that the fire is serviced once a year to keep it in first class working order. After cleaning out the firebox thoroughly, check that all internal parts are in good working order, replacing any parts that are beginning to show signs of wear. Check that the door seal is in good condition and that the door seals correctly. A servicing guide is available on request. Repairs or modifications may only be carried out by the Manufacturer or their approved agents. Use only genuine Charnwood replacement parts.

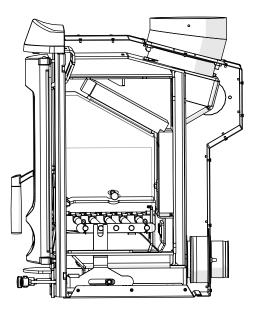
#### THROAT PLATE AND FLUEWAY CLEANING

It is important that the throat plate and all the stove flueways are kept clean in order to prevent potentially dangerous fume emission. They should be cleaned at least monthly, and more frequently if necessary. It is necessary to let the fire out to carry out these operations.

To remove the throat plate, slide it forward so that it clears the back brick, then slide it either right or left so that the opposite side clears the retaining flange on the side plate and can be gently lowered. Any sooty deposits should then be swept from the plate and into the fire.

Return the throat plate to its correct position- At an angle, insert the throat plate so that it sits on either the right or the left retaining

flange on the side plates. Raise the opposite side and slide so that the throat plate is central and supported by both side plates. Slide back so that the recessed edge at the back of the underside, rests neatly on the face of the back brick.



Throat Plate Position

#### **CHIMNEY SWEEPING**

The chimney should be swept at least twice a year. It will generally be possible to sweep the chimney through the appliance.

First remove the fuel retainer and the throat plate. Then sweep the chimney ensuring that soot is removed from all horizontal surfaces after sweeping.

In situations where it is not possible to sweep through the appliance the installer will have provided alternative means, such as a soot door. After sweeping the chimney the appliance flue outlet and the flue pipe connecting the stove to the chimney must be cleaned with a flue brush.

After clearing any soot from within the stove, replace the throat plate (see Fig. 9) and the fuel retainer.

Different types of sweep's brushes are available to suit different flueways. For prefabricated insulated chimneys the manufacturers instructions with regard to sweeping should be consulted.

#### **CO ALARM**

Your installer should have fitted a CO alarm in the same room as the appliance. If the alarm sounds unexpectedly, follow the instructions given under "Fume Emission" below.

#### TROUBLESHOOTING

#### FIRE WILL NOT BURN

Check that:

- a) the air inlet is not obstructed in any way,
- b) chimneys and flueways are clear,
- c) a suitable fuel is being used,
- d) there is an adequate air supply,

e) an extractor fan is not fitted in the same room as the stove.

f) there is sufficient draw in the chimney. Once the chimney is warm a draught reading of at least 1.25 mm (0.05 inches) water gauge (12Pa) should be obtained

g) The Undergrate Blanking Plate is fitted for burning wood and removed for burning smokeless fuels.

#### **BLACKENING OF DOOR GLASS**

Differences in chimney draughts mean that the best settings of the air controls will vary for different installations. A certain amount of experimentation may be required, however the following points should be noted and with a little care should enable the glass to be kept clean in most situations:

a) Wet or unseasoned wood, or logs overhanging the front fence will cause the glass to blacken

b) The airwash relies on a supply of heated air to keep the glass clean. Therefore, when lighting the stove, allow the firebed to become well established before closing the air control. This may also be necessary when re-fuelling the stove.

c) When re-fuelling keep the fuel as far back from the front fence as possible. Do not try to fit too much fuel into the firebox.

d) Do not completely close the air control. It is always more difficult to keep the glass clean when running the stove very slowly for long periods.

If blackening of the glass still occurs check that all flue connections are well sealed. It is also important that the chimney draw is sufficient and that it is not affected by down-draught. When the chimney is warm a draught reading of at least 1.25 mm (0.05 inches) water gauge (12Pa) should be obtained. Some blackening of the glass may occur below the level of the fuel retainer. This will not obscure the view of the fire or affect its performance.

#### FIRE BLAZING OUT OF CONTROL

Check that:

- a) The door is tightly closed.
- b) The air control slider is fully closed.
- c) A suitable fuel is being used.
- d) Door seals and air control slider are intact.
- e)Undergate plate is fitted when burning wood.

#### **FUME EMISSION**

Warning Note: Properly installed and operated this appliance will not emit fumes. Occasional fumes from de-ashing and refuelling may occur. Persistent fume emission is potentially dangerous and must not be tolerated. If fume emission does persist, then the following immediate actions should be taken:

a) Open doors and windows to ventilate the room.

b) Let the fire out and safely dispose of the fuel from the appliance.

c) Check for flue or chimney blockage, and clean if required.

d) Do not attempt to re-light the fire until cause of fume has been identified. If necessary, seek professional advice.

The most common cause of fume emission is flueway or chimney blockage. For your own safety these must be kept clean.

#### **CHIMNEY FIRES**

If the chimney is thoroughly and regularly swept, chimney fires should not occur. However, if a chimney fire does occur close the air control, and tightly close the door of the appliance. This should cause the chimney fire to go out in which case the controls should be kept closed until the stove has gone out. The chimney and flueways should then be cleaned. If the chimney fire does not go out when the above action is taken then the fire brigade should be called immediately. After a chimney fire the chimney should be carefully examined for any damage. Expert advice should be sought if necessary.

#### IF YOU NEED FURTHER HELP

If you need further help with your Charnwood then your Installer will be able to provide the answers to most questions. Your Local Charnwood Premier Dealer has a great deal of experience and will also be able to provide helpful advice. Further help is available from the Charnwood Customer Services department who will be pleased to give advice, if necessary.

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#### HEALTH AND SAFETY PRECAUTIONS

Please take care when installing the stove that the requirements of the Health and Safety at Work Act 1974 are met.

Some types of fire cement are caustic and should not be allowed to come into contact with the skin. In case of contact, wash with plenty of water.

If there is a possibility of disturbing any asbestos in the course of installation then please use appropriate protective equipment.

There must not be an extractor fan fitted in the same room as the stove as this can cause the appliance to emit fumes into the room.

The combustion air supply ducting must be connected to a suitable, permanently open air inlet. See 'Air supply' section for details. This stove is capable of intermittent operation. This stove is not suitable for use in a shared flue system.

In addition to these instructions the requirements of BS 8303 and BSEN 15287-1:2007 must be fulfilled. Local Authority Bylaws and Building Regulations, including those referring to national and European Standards, regarding the installation of Solid Fuel burning appliances, flues and chimneys must also be observed.

#### **UNPACKING THE STOVE**

The stove arrives bolted to its pallet and covered with a cardboard box. The bands are first removed and then the box is lifted, then the stove is released from the pallet by removing the 2 brackets using a 13mm spanner. The bracket on the rear is removed with a 10mm Spanner.

The pallet is intended to be cut up and used for kindling fuel

#### **AIR SUPPLY**

The ducted air supply provides combustion air to the stove, through an 80mm diameter duct. One end of the air supply ducting is connected to the stove and the other can be terminated in the room if the house design air permeability is greater than 5.0m<sup>3</sup>/(h.m<sup>2</sup>), or can be ducted directly to outside. The ducting must be less than 5.5m long and must not have more than five 90° bends and two 45° elbows. In both cases the inlet must be permanently open and the duct free of any constrictions. The inlet must have a suitable open grille fitted to prevent entry by vermin. A spillage test must be carried out during commissioning to verify adequate supply to the stove.

#### **SPECIFICATION**

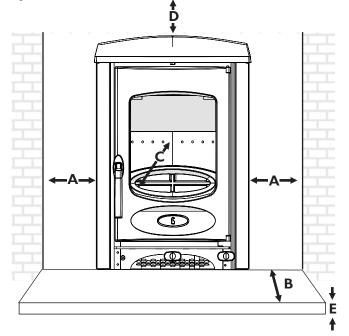
	Wood	Multi Fuel
Output	5kw	4.9kw
Stove Weight	105kg	105kg
Flue Gas Temperature	279°C	282°C
Flue Gas Mass Flow	4.4g/s	4.3 g/s
Average refuelling cycle	0.75hrs	1.0 hr
Min Flue Draught	12Pa	12Pa
CO at 13% 02	0.08%	0.18%
Maximum Log Size	300mm long x 75mm diameter	

Multifuel results obtained using 'Homefire' fuel burned over a 1hr period. Wood Figures were achieved burning seasoned hardwood logs over a 45 minute refuelling period.

#### **CO ALARMS**

Building regulations require that whenever a new or replacement fixed solid fuel or wood/biomass appliance is installed in a dwelling a carbon monoxide alarm must be fitted in the same room as the appliance. Further guidance on the installation of the carbon monoxide alarm is available in BS EN 50292:2002 and from the alarm manufacturer's instructions. Provision of an alarm must not be considered a substitute for either installing the appliance correctly or ensuring regular servicing and maintenance of the appliance and chimney system.

Fig. 10 Minimum distances from combustibles



Dimension A: 280mm Dimension B: 251mm (Building regulations) Recommended:390mm (extension of door over hearth) Dimension C: 1000mm (in front of glass) Dimension D: 310mm Dimension E: 12mm

#### CHIMNEY

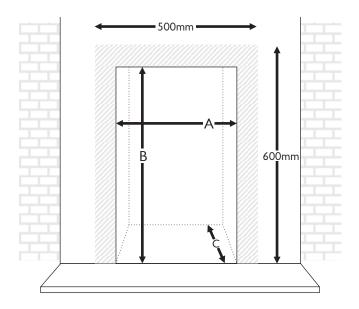
In order for the appliance to perform satisfactorily the chimney height must not be less than 4 metres measured vertically from the outlet of the stove to the top of the chimney. The internal dimensions of the chimney (either square or round) MUST NOT BE LESS THAN 150 mm (6 inches).

If an existing chimney is to be used it must be swept and checked, it must be in good condition, free from cracks and blockages, and should not have an excessive cross sectional area. If you find that the chimney is in poor condition then expert advice should be sought regarding the necessity of having the chimney lined. If it is found necessary to line the chimney then a lining suitable for Solid Fuel must be used.

If the stove has been fitted in the place of an open fire, it is recommended that the chimney is swept one month after installation to clear any soot falls which may have occurred due to the difference in combustion between the stove and the open fire.

If there is no existing chimney then a prefabricated block chimney or a twin walled insulated stainless steel flue to BSEN 15287-1:2007 can be used either internally or externally. These chimneys must be fitted in accordance with the manufacturers instructions and Building Regulations.

Fig. 11 Limiting Dimensions of Surround and Opening



The shaded grey area on the face of the surround is the minimum flat area required for inset installation.

Dimension A: Min. 405mm Max. 430mm Dimension B: Min. 555mm Max. 565mm Dimension C: Min. 380mm

Single wall flue pipe is suitable for connecting the stove to the chimney but is not suitable for using for the complete chimney.

It is important that there is sufficient draw in the chimney and that the chimney does not suffer from down-draught. When the chimney is warm the draw should be not less than 1.25mm (0.05 inches) water gauge (12.pa). If it is found that there is excessive draw in the chimney then a draught stabiliser should be fitted. If in doubt about the chimney seek expert advice.

#### **HEARTH AND FIRE SURROUND**

The stove must be installed above a fireproof hearth in accordance with local building regulations (See fig.10 for dimensions). If in doubt as to the positioning of the stove expert advice should be sought either from the supplier or the local building inspector.

If a wooden mantelpiece or beam is used in the fireplace it should be a minimum of 310mm above the appliance. In some situations it may be necessary to shield the beam or mantelpiece to protect it.

In order for the appliance to fit into the fire surround there must be a flat area around the opening. Details are shown in Fig. 11.

#### PREPARATION OF FIREPLACE

If the fireplace contains combustible materials, inlet and outlet air vents with an area of 246cm<sup>2</sup> each must be fitted below and above the stove convection case to provide a continual air flow around the stove. It is recommended that Calcium Silicate board is used (130mm board, with a 100mm air gap between the stove and the insulation (see Fig. 12).

If the fireplace does not contain combustible materials, it is still recommended to have a layer of insulation or ventilate the space between the casing and the outer wall. The insulation may consist of a layer of mineral fibre or calcium silicate board. Insert this into the opening before sliding in the convection casing.

Before fitting the appliance into an existing fireplace remove the fireback and any loose in-fill material.

The surround and opening for the appliance must conform with Fig.11. The flat area around the opening should be a minimum of 500mm wide and 600mm high. Ensure that the hearth and the base in the opening are flat, level, and at right angles to the surround.

The air supply inlet can be fitted in the room or outside, in accordance with the requirements in 'Air Supply' section (p11). The inlet grille must not constrict the airflow through the duct and it must be permanently open. A semi rigid aluminium flexible duct of no less than 80mm diameter is used to bring the air to the stove . The duct must be less than 5.5m long, have no more than five 90° bends and two 45° elbows. The 80mm diameter spigot, provided with the stove should be fitted on the outside of the convection case, using two self tapping screws and the duct should be terminated on the spigot with a jubilee clip. The 100mm diameter spigot provided should be fitted to the inside of the convection case using two nuts on the outside and the self adhesive foam should be glued into position around the circumference of the inside of the 80mm spigot in order to seal against the spigot on the back of the stove when it is installed.

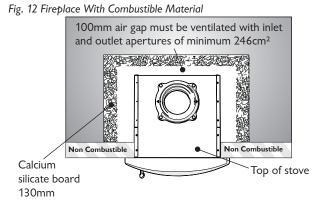
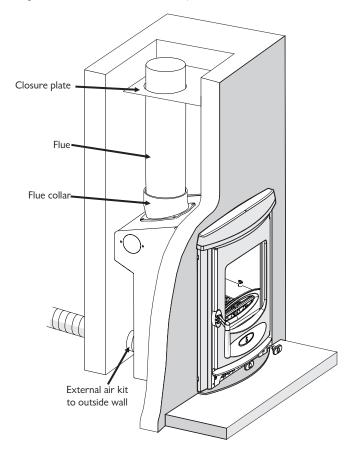
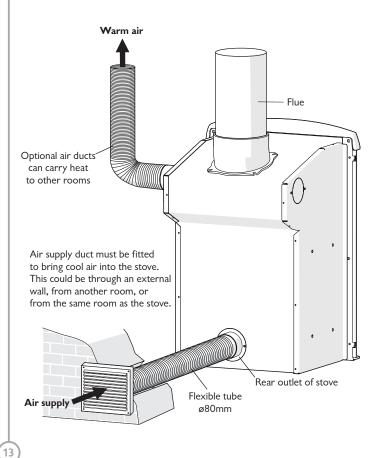


Fig. 13 Installation in standard chimney







## FITTING THE CONVECTION CASING, FLUE PIPE AND STOVE

Having prepared the fireplace as described, the convection case, stove and flue pipe can now be fitted.

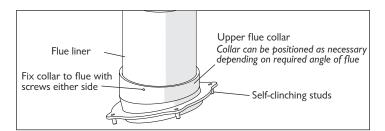
#### **1. ATTACH FLUE COLLAR TO THE FLUE PIPE**

Some liner manufacturers recommended the use of a rigid pipe with the liner - please refer to the liner manufacturers instructions. Fix the upper flue collar to the flue pipe through the screw holes in the side of the ring. The flue collar can be attached at any of 4 positions depending on the required angle of the flue.

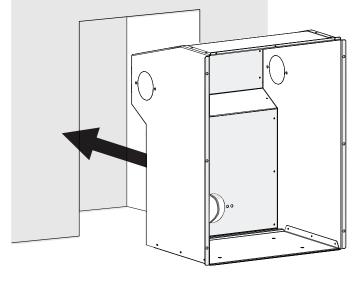
It is vital that the connections at both ends of the flue pipe are well sealed. The flue pipe and collar can be sealed with fire cement and/or a gasket.

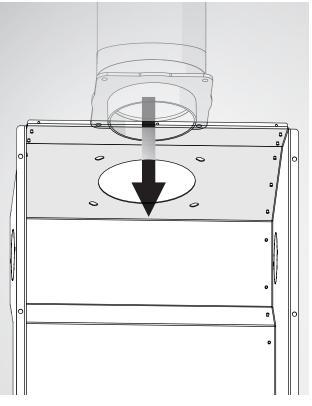
#### 2. INSERT THE CONVECTION CASING INTO THE OPENING

Make sure the four self-clinching studs are in the holes in the flue collar, pointing downwards. Slide the convection casing into position in the opening until the flue outlet lines up with the flue pipe. Any excess air ducting still in the opening can be pulled out at the external termination point and trimmed to fit the grille selected. Ensure that the air supply duct is not kinked during the fitting process.



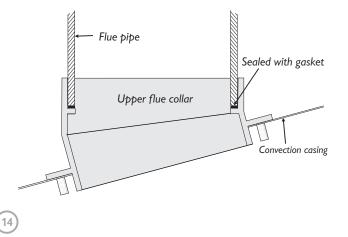
2. Insert convection casing into opening





#### **3. MAKE FLUE CONNECTION**

Reaching through the flue outlet, bring the flue collar down through the outlet until the studs line up with the four holes in the convection casing. Use nuts to secure the studs into place.



1. Attach flue collar to length of flexible flue liner

#### 4. SECURE THE CASING TO THE HEARTH

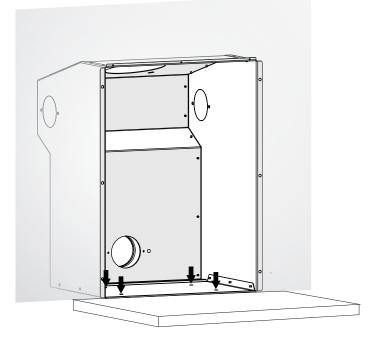
Secure the stove by inserting screws through the holes in the base (see diagram).

#### 5. MAKE GOOD THE OPENINGS AND FILL WITH INSULATION

Make good the opening at the top and sides of the convection casing ensuring that a good seal is made with the side flanges. It is recommended to use heat resistant plaster on the wall surrounding the stove.

Follow the liner manufacture's recommendations regarding insulating the liner.

If for any reason it is not going to be possible to sweep the chimney through the appliance, a soot door must be fitted.



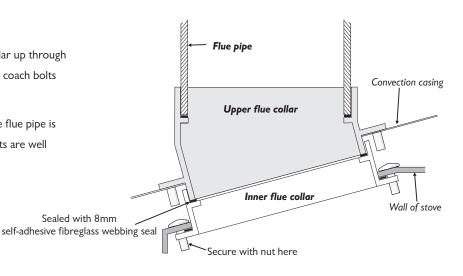
# Carefully slide the store into the convection casing util the flue collar and the air interarges at the rear of the store. Image: Convertion casing util the flue collar and the air interarges at the rear of the store. Image: Convertion casing util the flue collar and the air interarges at the rear of the store. Image: Convertion casing util the flue collar and the air interarges at the rear of the store. Image: Convertion casing util the flue collar and the air interarges at the rear of the store. Image: Convertion casing util the flue collar and the air interarges at the rear of the store. Image: Convertion casing util the flue collar and the air interarges at the rearges at

#### 6. SLIDE IN STOVE

#### 8. SECURE THE FLUE ADAPTORS

Working from the inside of the stove, push the flue collar up through the flue outlet to meet the upper flue collar, so that the coach bolts come down through the holes. Secure bolts with nuts.

All flue connections must be well sealed. Check that the flue pipe is not obstructed or restricted in any way and that all joints are well sealed.



Side pieces

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#### **SIDE PIECES**

Remove air control knob, undo both allen key bolts in lower panel and remove it. Fit machine screws through the holes in the lower left and right hand side to secure the lower end of the side pieces. The tops of the side pieces are secured with a machine screw. Refit the lower panel and air slider knob.

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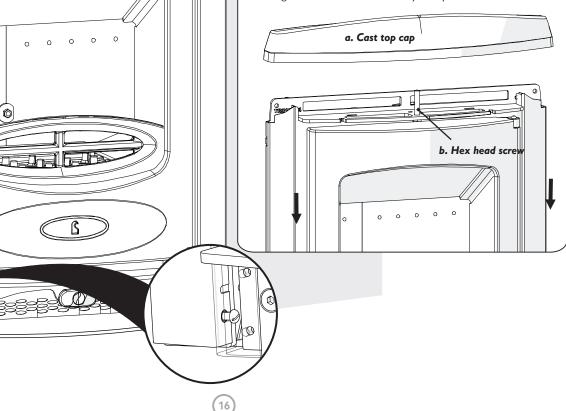
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#### 9. АТТАСН ТОР САР

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Slide the cast top cap (a) into position. Finally, with the door open, insert hex head screw (b) from the underside of the top shelf. Tighten to secure the assembly into position.



#### PRE LIGHTING CHECK

Before initial lighting check the following points:

1. The bottom grate bars must all be fitted and should move freely and easily when the riddling mechanism is operated.

2. The plates round the sides and back of the grate must be in position and sitting correctly.

3. The throat plate must be fitted in the roof of the appliance (as shown in Fig. 9).

4. Check that the front fence is fitted correctly and that the door closes properly.

#### COMMISSIONING

On completion of the installation allow a suitable period of time for the fire cement and mortar to dry out before lighting the fire. Check to ensure that smoke and fumes are taken from the appliance up the chimney and emitted safely. Also check all joints and seals. On completion of the installation and commissioning please leave the operating instructions with the customer and advise them on the use of the appliance.

#### CAA AND SMOKE CONTROL

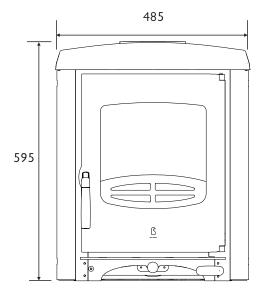
#### The Clean Air Act 1993 and Smoke Control Areas

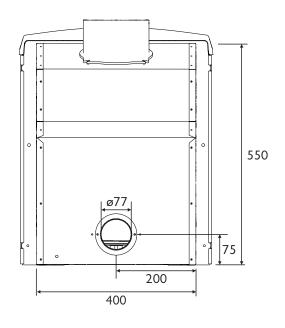
Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an "unauthorised fuel" for use within a smoke control area unless it is used in an "exempt" appliance ("exempted" from the controls which generally apply in the smoke control area).

The Secretary of State for Environment, Food and Rural Affairs has powers under the Act to authorise smokeless fuels or exempt appliances for use in smoke control areas in England. In Scotland and Wales this power rests with Ministers in the devolved administrations for those countries. Separate legislation, the Clean Air (Northern Ireland) Order 1981, applies in Northern Ireland. Therefore it is a requirement that fuels burnt or obtained for use in smoke control areas have been "authorised" in Regulations and that appliances used to burn solid fuel in those areas (other than "authorised" fuels) have been exempted by an Order made and signed by the Secretary of State or Minister in the devolved administrations. Further information on the requirements of the Clean Air Act can be found here: http://smokecontrol.defra.gov.uk/

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements.

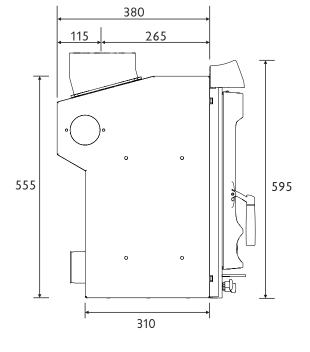
# **CFOURI**DIMENSIONS (mm)

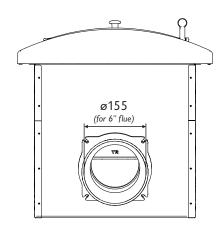




FRONT VIEW

BACK VIEW

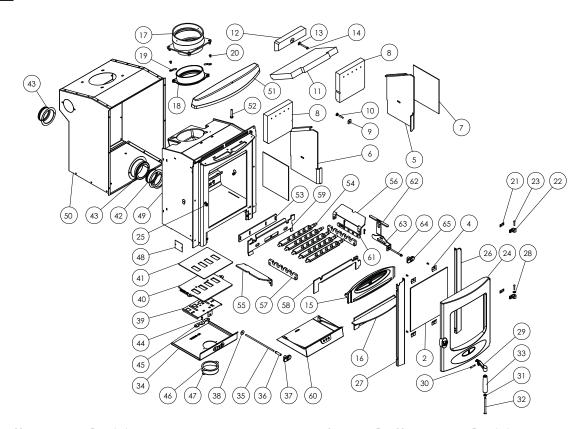




SIDE VIEW

PLAN VIEW

#### C-FOURI PARTS LIST



1*         008/PV21         Door Seal         35         004/GR086         Air Control Rod           2         006/PV19         Glass Seal         37         008/PV5         Glass Seal         37         008/PV37         DEFKA Stop           3*         008/PV52         Glass Seal         37         008/PV52         Felt Washer           5         010/TR027         RH Sideplate         38         008/PK070         Air Indet Silde           6         010/TR028         LH Sideplate         40         004/CR005         Air Control Plate Assy           7         011/PV26         Side Gasket         41         008/CR06         Airbox Upper Gasket           8         011/TR037         Reir Side Gasket         42         004/CR048         80mm Spigot           10         008/FB125         M6x45 Coach Bolt         44         008/PS136/01         Brats Ball Catch           11         011/TR031         Brick Throat Plate         45         004/CR063         Blanking Plate Gasket           13         008/FF030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           14         008/FF030         Hex Hd Screw M6x40         50         010/TR026         Convection Casing <t< th=""><th>Item</th><th>Part No.</th><th>Description</th><th>ltem</th><th>Part No.</th><th>Description</th></t<>	Item	Part No.	Description	ltem	Part No.	Description
3*         008/PVS5         Glass Seal         37         008/AY37         Air Control Knob           4         004/KV23         Glass Retainer         38         008/BR052         Felt Washer           5         010/TR027         RH Sideplate         39         004/TR007         Air Inlet Slide           6         010/TR028         LH Sideplate         40         004/CR005         Air Control Plate Assy           7         011/PV26         Side Gasket         41         008/CR006         Airbox Upper Gasket           8         011/TR029S         Rear Brick Set         42         004/CR008         Bomm Spigot           9         010/ER036         Brick Throat Plate         43         008/MR125         100mm Spigot           10         008/FFB12S         M6x45 Coach Boit         44         008/CB03         Blanking Plate Casket           13         008/FFW005         MB Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Eirebox           15         002/JR017         Full Retainer         49#         001/TR026         Convection Casing           17         010/TR020         Upper Fluca Adaptor <td>1*</td> <td>008/PV21</td> <td>Door Seal</td> <td>35</td> <td>004/GR086</td> <td>Air Control Rod</td>	1*	008/PV21	Door Seal	35	004/GR086	Air Control Rod
3*         008/PV55         Glass Seal         37         008/A737         Air Control Knob           4         004/KV23         Glass Retainer         38         008/BR052         Felt Washer           5         010/TR027         RH Sideplate         39         004/TR007         Air Inlet Side           6         010/TR028         LH Sideplate         40         004/CR005         Air Control Plate Assy           7         011/PV26         Side Gasket         41         008/CR006         Airbox Upper Gasket           8         011/TR029S         Rear Brick Set         42         004/CR048         80mm Spigot           10         008/FB125         M6x45 Coach Bolt         44         008/CR063         Blanking Plate Casket           11         011/TR031         Brick Throat Plate Brick         45         004/RR015         Clicker Retainer Plate           12         011/TR031         Brick Throat Plate Brick         46         008/CR063         Blanking Plate Casket           13         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Erebx           14         008/FFB030         Hex Hd Agator         50         010/TR026         Convection Casing           15         002/RR017	2	006/PV19	Glass	36	008/TR047	DEFRA Stop
5         010/TR027         RH Sideplate         39         004/TR007         Air Inlet Slide           6         010/TR028         LH Sideplate         40         004/CR005         Air Control Plate Assy           7         011/PV26         Side Gasket         41         008/CR006         Airbox Upper Gasket           8         011/TR029S         Rear Brick Set         42         004/CR048         80mm Spigot           9         010/ER036         Brick Retaining Washer         43         008/CR031         Brass Ball Catch           11         011/TR031         Brick Throat Plate         45         004/JR061         Clicker Retainer Plate           12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFB030         Hex Hd Screw M6x40         48         012/TR010         Firebox           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR010         Firebox           16         010/TR020         Upper Throat Plate         50         010/TR026         Convection Casing           17         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           19         004/GR	3*	008/PV55	Glass Seal	37	008/AY37	Air Control Knob
6         010/TR028         LH Sideplate         40         004/CR005         Air Control Plate Assy           7         011/PV26         Side Gasket         41         008/CR006         Airbox Upper Gasket           8         011/TR029S         Rear Brick Set         42         004/CR048         80mm Spigot           9         010/ER036         Brick Retaining Washer         43         008/HR125         100mm Spigot           10         008/FFB125         M6x45 Coach Bolt         44         008/ES36/01         Brass Ball Catch           11         011/TR031         Brick Throat Plate         45         004/BR015         Clicker Retainer Plate           12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFW005         M8 Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         99#         001/TR010         Frebox           16         010/TR076         Lower Front Panel         50         010/TR010         Erebox           18         010/TR076	4	004/KV23	Glass Retainer	38	008/BR052	Felt Washer
7         011/PV26         Side Gasket         41         008/CR006         Airbox Upper Gasket           8         011/TR029S         Rear Brick Set         42         004/CR048         80mm Spigot           9         010/ER036         Brick Retaining Washer         43         008/MR125         100m Spigot           10         008/FFB125         M6x45 Coach Bolt         44         008/CR063         Blanking Plate Gasket           11         011/TR031         Brick Retaining Washer         45         004/BR015         Clicker Retainer Plate           12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFW005         M8 Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         01/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         50         010/TR016         Cast Top Cap           18         010/TR076         Lower Front Panel         50         010/TR026         Convection Casing           20         008/FFS049         Hex Hd Screw M8x45         51         010/CR051         Cast Top Cap           18         <	5	010/TR027	RH Sideplate	39	004/TR007	Air Inlet Slide
8         011/TR029S         Rear Brick Set         42         004/CR048         80mm Spigot           9         010/ER036         Brick Retaining Washer         43         008/MR125         100mm Spigot           10         008/FF812S         M6x45 Coach Bolt         44         008/ES36/01         Brass Ball Catch           11         011/TR031         Brick Throat Plate         45         004/BR015         Clicker Retainer Plate           12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFW055         M8 Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Sreia No Plate           15         002/BR017         Fue Retainer         49#         001/TR010         Firebox           16         010/TR021         Lower Front Panel         50         010/TR026         Convection Casing           17         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           19         004/GR090         Fastener Retainer         53         010/TR099         Undergrate Blanking Plate           21	6	010/TR028	LH Sideplate	40	004/CR005	Air Control Plate Assy
9         010/ER036         Brick Retaining Washer         43         008/MR125         100mm Spigot           10         008/FFB125         M6x45 Coach Bolt         44         008/ES36/01         Brass Ball Catch           11         011/TR031         Brick Throat Plate         45         004/BR015         Clicker Retainer Plate           12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         49#         001/TR010         Firebox           16         010/TR021         Lower Front Panel         50         010/TR026         Convection Casing           17         010/TR090         Upper Flue Adaptor         51#         002/GR051         Cast Top Cap           18         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           20         008/FFS006         M6x10 Stid Cheese Hd Screw         54         002/CG01         Bottom Grate Bar           21         004/BR021         Hinge Shim         55         010/GR056         RH Grate Plate           23	7	011/PV26	Side Gasket	41	008/CR006	Airbox Upper Gasket
10         008/FFB125         M6x45 Coach Bolt         44         008/ES36/01         Brass Ball Catch           11         011/TR031         Brick Throat Plate         45         004/BR015         Clicker Retainer Plate           12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFW005         MB Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         49#         001/TR010         Firebox           16         010/TR021         Lower Front Panel         50         010/TR026         Convection Casing           17         010/TR076         Lower Fue Adaptor         51#         002/GR051         Cast Top Cap           18         010/TR076         Lower Fue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           20         008/FFS066         M6x10 Sltd Cheese Hd Screw         54         002/CG01         Bottom Grate Bar           21         004/GR090         Fasten Retainer         55         010/GR056         RH Grate Plate           22 <td>8</td> <td>011/TR029S</td> <td>Rear Brick Set</td> <td>42</td> <td>004/CR048</td> <td>80mm Spigot</td>	8	011/TR029S	Rear Brick Set	42	004/CR048	80mm Spigot
11       011/TR031       Brick Throat Plate       45       004/BR015       Clicker Retainer Plate         12       011/TR032       Upper Throat Plate Brick       46       008/CR063       Blanking Plate Gasket         13       008/FFW035       M8 Light Penny Washer       47       004/CR064       Coverplate         14       008/FFB030       Hex Hd Screw M&40       48       012/TR011       Serial No Plate         15       002/BR017       Fuel Retainer       49#       001/TR010       Firebox         16       010/TR021       Lower Front Panel       50       010/TR026       Convection Casing         17       010/TR076       Lower Flue Adaptor       51#       002/CR051       Cast Top Cap         18       010/TR076       Lower Flue Adaptor       52       008/FFS049       Hex Hd Screw M8x45         19       004/GR090       Fastener Retainer       53       010/TR090       Undergrate Blanking Plate         21       004/BR021       Hinge Shim       55       010/GR057       LH Grate Plate         22       002/BR020       Hinge Casting       56       010/GR056       RH Grate Plate         23       008/BW39/S       Hinge Shim x 25mm       57       010/GR044       Rear Grate Support <td>9</td> <td>010/ER036</td> <td>Brick Retaining Washer</td> <td>43</td> <td>008/MR125</td> <td>100mm Spigot</td>	9	010/ER036	Brick Retaining Washer	43	008/MR125	100mm Spigot
12         011/TR032         Upper Throat Plate Brick         46         008/CR063         Blanking Plate Gasket           13         008/FFW005         M8 Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         49#         001/TR010         Firebox           16         010/TR021         Lower Front Panel         50         010/TR026         Convection Casing           17         010/TR076         Lower Front Plate Adaptor         51#         002/GR051         Cast Top Cap           18         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           20         008/FFS049         Fastener Retainer         53         010/TR099         Undergrate Blanking Plate           21         004/BR021         Hinge Shim         55         010/GR057         LH Grate Plate           22         002/BR020         Hinge Casting         56         010/GR056         RH Grate Plate           23         008/BW39/S         Hinge Pin Set 5mm x 25mm         57         010/GR044         Rear Grate Support           24# <td>10</td> <td>008/FFB125</td> <td>M6x45 Coach Bolt</td> <td>44</td> <td>008/ES36/01</td> <td>Brass Ball Catch</td>	10	008/FFB125	M6x45 Coach Bolt	44	008/ES36/01	Brass Ball Catch
13         008/FFW005         M8 Light Penny Washer         47         004/CR064         Coverplate           14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         49#         001/TR010         Firebox           16         010/TR021         Lower Front Panel         50         010/TR026         Convection Casing           17         010/TR076         Lower Flue Adaptor         51#         002/GR051         Cast Top Cap           18         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           19         004/GR090         Fastener Retainer         53         010/TR079         Undergrate Blanking Plate           20         008/BFS006         M6x10 Sltd Cheese Hd Screw         54         002/CG01         Bottom Grate Bar           21         004/BR021         Hinge Shim         55         010/GR056         RH Grate Plate           23         008/BK039/S         Hinge Pin Set 5mm x 25mm         58         010/GR042         Front Grate Support           25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#	11	011/TR031	Brick Throat Plate	45	004/BR015	Clicker Retainer Plate
14         008/FFB030         Hex Hd Screw M6x40         48         012/TR011         Serial No Plate           15         002/BR017         Fuel Retainer         49#         001/TR010         Firebox           16         010/TR021         Lower Front Panel         50         010/TR026         Convection Casing           17         010/TR090         Upper Flue Adaptor         51#         002/GR051         Cast Top Cap           18         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex Hd Screw M8x45           19         004/GR090         Fastener Retainer         53         010/TR099         Undergrate Blanking Plate           20         008/FFS006         M6x10 Sltd Cheese Hd Screw         54         002/CG01         Bottom Grate Bar           21         004/BR021         Hinge Shim         55         010/GR056         RH Grate Plate           23         008/BW39/S         Hinge Casting         56         010/GR042         Front Grate Support           24#         002/BR01/A         Door Latch         59         010/GR044         Rear Grate Support           25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#         004/TR06	12	011/TR032	Upper Throat Plate Brick	46	008/CR063	Blanking Plate Gasket
15       002/BR017       Fuel Retainer       49#       001/TR010       Firebox         16       010/TR021       Lower Front Panel       50       010/TR026       Convection Casing         17       010/TR070       Upper Flue Adaptor       51#       002/GR051       Cast Top Cap         18       010/TR076       Lower Flue Adaptor       52       008/FFS049       Hex Hd Screw M8x45         19       004/GR090       Fastener Retainer       53       010/TR099       Undergrate Blanking Plate         20       008/FFS006       M6x10 Sltd Cheese Hd Screw       54       002/CG01       Bottom Grate Bar         21       004/BR021       Hinge Casting       56       010/GR056       RH Grate Plate         23       008/BW39/S       Hinge Pin set Smm x 25mm       57       010/GR006       Grate Support         24#       002/BR001/A       Door Latch       59       010/GR044       Rear Grate Support         25       002/PV13       Door Latch       59       010/GR044       Rear Grate Support         26#       004/TR068       RH Side Trim       61       010/TR040       Mover Bar         27#       004/GR074       Hadle Casting       63       004/TR042       Riddler Arm Cover <tr< td=""><td>13</td><td>008/FFW005</td><td>M8 Light Penny Washer</td><td>47</td><td>004/CR064</td><td>Coverplate</td></tr<>	13	008/FFW005	M8 Light Penny Washer	47	004/CR064	Coverplate
16010/TR021Lower Front Panel50010/TR026Convection Casing17010/TR090Upper Flue Adaptor51#002/GR051Cast Top Cap18010/TR076Lower Flue Adaptor52008/FFS049Hex Hd Screw M8x4519004/GR090Fastener Retainer53010/TR099Undergrate Blanking Plate20008/FFS006M6x10 Sltd Cheese Hd Screw54002/CG01Bottom Grate Bar21004/BR021Hinge Shim55010/GR057LH Grate Plate22002/BR020Hinge Casting56010/GR056RH Grate Plate23008/BW39/SHinge Pin Set 5mm x 25mm57010/GR066Grate Support24#002/BR01/ADoor Assembly58010/GR042Front Grate Support25002/PV13Door Latch59010/GR044Rear Grate Support26#004/TR069LH Side Trim60004/TR017Ashpan27#004/TR069LH Side Trim61010/TR040Mover Bar28008/FFW026M6 Heavy Brass Washer62004/TR045Riddler Arm Cover29#002/BR012Handle Casting63004/TR044Riddler Slide30004/FEW015Thackery Washer65008/MR067Riddler Handle33008/BR013Wooden Handle66*008/PX95Ashpan Tool	14	008/FFB030	Hex Hd Screw M6x40	48	012/TR011	Serial No Plate
17       010/TR090       Upper Flue Adaptor       51#       002/GR051       Cast Top Cap         18       010/TR076       Lower Flue Adaptor       52       008/FFS049       Hex Hd Screw M8x45         19       004/GR090       Fastener Retainer       53       010/TR099       Undergrate Blanking Plate         20       008/FFS006       M6x10 Sltd Cheese Hd Screw       54       002/CG01       Bottom Grate Bar         21       004/BR021       Hinge Shim       55       010/GR057       LH Grate Plate         23       008/BW39/S       Hinge Casting       56       010/GR066       Grate Support         24#       002/BR001/A       Door Assembly       58       010/GR044       Rear Grate Support         25       002/PV13       Door Latch       59       010/GR044       Rear Grate Support         26#       004/TR068       RH Side Trim       60       004/TR017       Ashpan         27#       004/TR068       RH Side Trim       61       010/TR040       Mover Bar         28       008/FFW026       M6 Heavy Brass Washer       62       004/TR045       Riddler Arm Cover         29#       002/BR012       Handle Casting       63       004/TR042       Riddler Slide <td< td=""><td>15</td><td>002/BR017</td><td>Fuel Retainer</td><td>49#</td><td>001/TR010</td><td>Firebox</td></td<>	15	002/BR017	Fuel Retainer	49#	001/TR010	Firebox
18         010/TR076         Lower Flue Adaptor         52         008/FFS049         Hex HJ Screw M8x45           19         004/GR090         Fastener Retainer         53         010/TR079         Undergrate Blanking Plate           20         008/FFS006         M6x10 Sltd Cheese Hd Screw         54         002/CG01         Bottom Grate Bar           21         004/BR021         Hinge Shim         55         010/GR057         LH Grate Plate           23         008/BR020         Hinge Casting         56         010/GR056         RH Grate Plate           23         008/BW39/S         Hinge Pin Set 5mm x 25mm         57         010/GR046         Grate Support           24#         002/BR001/A         Door Assembly         58         010/GR044         Rear Grate Support           25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#         004/TR068         RH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Rod           31         008/FF	16	010/TR021	Lower Front Panel	50	010/TR026	Convection Casing
19004/GR090Fastener Retainer53010/TR099Undergrate Blanking Plate20008/FFS006M6×10 Sltd Cheese Hd Screw54002/CG01Bottom Grate Bar21004/BR021Hinge Shim55010/GR057LH Grate Plate22002/BR020Hinge Casting56010/GR056RH Grate Plate23008/BW39/5Hinge Pin Set 5mm x 25mm57010/GR006Grate Support24#002/BR001/ADoor Assembly58010/GR042Front Grate Support25002/PV13Door Latch59010/GR044Rear Grate Support26#004/TR068RH Side Trim61010/TR040Mover Bar27#004/FR068LH Side Trim61010/TR040Mover Bar28008/FFW026M6 Heavy Brass Washer62004/TR045Riddler Arm Cover29#002/BR012Handle Casting63004/TR042Riddler Arm Cover30004/FR015Thackery Washer65008/MR067Riddler Handle31008/FFW015Thackery Washer65008/MR067Riddler Handle33008/BR013Wooden Handle6*008/PS95Ashpan Tool	17	010/TR090	Upper Flue Adaptor	51#	002/GR051	Cast Top Cap
20008/FFS006M6x10 Sltd Cheese Hd Screw54002/CG01Bottom Grate Bar21004/BR021Hinge Shim55010/GR057LH Grate Plate22002/BR020Hinge Casting56010/GR056RH Grate Plate23008/BW39/SHinge In Set Smm x 25mm57010/GR066Grate Support24#002/PV13Door Assembly58010/GR042Front Grate Support25002/PV13Door Latch59010/GR044Rear Grate Support26#004/TR068RH Side Trim60004/TR017Ashpan27#004/TR069LH Side Trim61010/TR040Mover Bar28008/FFW026M6 Heavy Brass Washer62004/TR045Riddler Arm Cover29#002/BR012Handle Casting63004/TR042Riddler Slide30004/BR014Handle Pivot Pin64010/TR044Riddler Rod31008/FFW015Thackery Washer65008/MR067Riddler Handle32008/FB007M8x100 Allen Hd Bolt66*008/PX95Ashpan Tool33008/BR013Wooden Handle56008/PX95Ashpan Tool	18	010/TR076	Lower Flue Adaptor	52	008/FFS049	Hex Hd Screw M8x45
21       004/BR021       Hinge Shim       55       010/GR057       LH Grate Plate         22       002/BR020       Hinge Casting       56       010/GR056       RH Grate Plate         23       008/BW39/S       Hinge Pin Set Smm x 25mm       57       010/GR066       Grate Support         24#       002/BR001/A       Door Assembly       58       010/GR042       Front Grate Support         25       002/PV13       Door Latch       59       010/GR044       Rear Grate Support         26#       004/TR068       RH Side Trim       60       004/TR017       Ashpan         27#       004/TR069       LH Side Trim       61       010/TR040       Mover Bar         28       008/FFW026       M6 Heavy Brass Washer       62       004/TR045       Riddler Arm Cover         29#       002/BR012       Handle Casting       63       004/TR042       Riddler Slide         30       004/BR014       Handle Pivot Pin       64       010/TR044       Riddler Rod         31       008/FFW015       Thackery Washer       65       008/MR067       Riddler Handle         32       008/BR013       Wooden Handle       66*       008/PX95       Ashpan Tool	19	004/GR090	Fastener Retainer	53	010/TR099	Undergrate Blanking Plate
22         002/BR020         Hinge Casting         56         010/GR056         RH Grate Plate           23         008/BW39/S         Hinge Pin Set 5mm x 25mm         57         010/GR066         Grate Support           24#         002/BR001/A         Door Assembly         58         010/GR042         Front Grate Support           25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#         004/TR068         RH Side Trim         60         004/TR017         Ashpan           27#         004/TR069         LH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Slide           30         004/BR014         Handle Pivot Pin         64         010/TR044         Riddler Rod           31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/BR013         Wooden Handle         66*         008/PX95         Ashpan Tool	20	008/FFS006	M6x10 Sltd Cheese Hd Screw	54	002/CG01	Bottom Grate Bar
23         008/BW39/S         Hinge Pin Set 5mm x 25mm         57         010/GR006         Grate Support           24#         002/BR001/A         Door Assembly         58         010/GR042         Front Grate Support           25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#         004/TR068         RH Side Trim         60         004/TR017         Ashpan           27#         004/TR069         LH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Addler           30         004/BR014         Handle Pivot Pin         64         010/TR044         Riddler Rod           31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/FFB007         M8x100 Allen Hd Bolt         66*         008/PX95         Ashpan Tool           33         008/BR013         Wooden Handle         57         008/PX95         Ashpan Tool	21	004/BR021	Hinge Shim	55	010/GR057	LH Grate Plate
24#         002/BR001/A         Door Assembly         58         010/GR042         Front Grate Support           25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#         004/TR068         RH Side Trim         60         004/TR017         Ashpan           27#         004/TR069         LH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Arm Cover           30         004/JR014         Handle Casting         64         010/TR044         Riddler Rod           31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/BR013         Wooden Handle         66*         008/PX95         Ashpan Tool	22	002/BR020	Hinge Casting	56	010/GR056	RH Grate Plate
25         002/PV13         Door Latch         59         010/GR044         Rear Grate Support           26#         004/TR068         RH Side Trim         60         004/TR017         Ashpan           27#         004/TR069         LH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Slide           30         004/BR014         Handle Pivot Pin         64         010/TR044         Riddler Rod           31         008/FFB007         M8x100 Allen Hd Bolt         65         008/PX95         Ashpan Tool           32         008/BR013         Wooden Handle         64         010/TR044         Sippan Tool	23	008/BW39/S	Hinge Pin Set 5mm x 25mm	57	010/GR006	Grate Support
26#         004/TR068         RH Side Trim         60         004/TR017         Ashpan           27#         004/TR069         LH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Slide           30         004/BR014         Handle Pivot Pin         64         010/TR044         Riddler Rod           31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/FB007         M8x100 Allen Hd Bolt         66*         008/PX95         Ashpan Tool           33         008/BR013         Wooden Handle         Store         Store         Store         Store	24#	002/BR001/A	Door Assembly	58	010/GR042	Front Grate Support
27#         004/TR069         LH Side Trim         61         010/TR040         Mover Bar           28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Slide           30         004/BR014         Handle Pivot Pin         64         010/TR044         Riddler Rod           31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/FB007         M8x100 Allen Hd Bolt         66*         008/PX95         Ashpan Tool           33         008/BR013         Wooden Handle         4         4         4         4	25	002/PV13	Door Latch	59	010/GR044	Rear Grate Support
28         008/FFW026         M6 Heavy Brass Washer         62         004/TR045         Riddler Arm Cover           29#         002/BR012         Handle Casting         63         004/TR042         Riddler Slide           30         004/BR014         Handle Pivot Pin         64         010/TR044         Riddler Rod           31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/FFB007         M8x100 Allen Hd Bolt         66*         008/PX95         Ashpan Tool           33         008/BR013         Wooden Handle	26#	004/TR068	RH Side Trim	60	004/TR017	Ashpan
29#002/BR012Handle Casting63004/TR042Riddler Slide30004/BR014Handle Pivot Pin64010/TR044Riddler Rod31008/FFW015Thackery Washer65008/MR067Riddler Handle32008/FFB007M8x100 Allen Hd Bolt66*008/PX95Ashpan Tool33008/BR013Wooden Handle66*008/PX95Ashpan Tool	27#	004/TR069	LH Side Trim	61	010/TR040	Mover Bar
30004/BR014Handle Pivot Pin64010/TR044Riddler Rod31008/FFW015Thackery Washer65008/MR067Riddler Handle32008/FFB007M8x100 Allen Hd Bolt66*008/PX95Ashpan Tool33008/BR013Wooden Handle66*008/PX95Ashpan Tool	28	008/FFW026	M6 Heavy Brass Washer	62	004/TR045	Riddler Arm Cover
31         008/FFW015         Thackery Washer         65         008/MR067         Riddler Handle           32         008/FFB007         M8x100 Allen Hd Bolt         66*         008/PX95         Ashpan Tool           33         008/BR013         Wooden Handle         008/PX95         Ashpan Tool	29#	002/BR012	Handle Casting	63	004/TR042	Riddler Slide
32         008/FFB007         M8x100 Allen Hd Bolt         66*         008/PX95         Ashpan Tool           33         008/BR013         Wooden Handle         66*         008/PX95         Ashpan Tool	30	004/BR014	Handle Pivot Pin	64	010/TR044	Riddler Rod
33 008/BR013 Wooden Handle	31	008/FFW015	Thackery Washer	65	008/MR067	Riddler Handle
	32			66*	008/PX95	Ashpan Tool
	33	008/BR013	Wooden Handle			
	34		Air Box Cover Plate			

\* These items are not shown on the drawing

# Please specify colour when ordering.

To obtain spare parts please contact your local stockist giving Model, Part No. and Description. In case of difficulty contact the manufacturer at the address shown.

This drawing is for identification purposes only.

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C Four I

#### ROOMHEATERS FIRED BY SOLID FUEL

EC certificate of conformity no:

Minimum distance to combustible materials: Casing Side: Casing Rear:

Front surround, side: Front surround above: Room, in front of glass:

Fuel type

Emission of CO in combustion products:

Flue gas temperature:

Space heating thermal output:

**Energy efficiency:** 

TR-CPD-2014

100mm + 130mm insulation 100mm + 130mm insulation 14

280mm 310mm 1000 mm

 Wood logs
 Multi Fuel

 0.08 %
 0.18%

 279 °C
 282 °C

 5 kW
 4.9kW

5 kW 4.9kW 80 % 77.3%

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