

skyeE700
charnwood

Operating & Installation Instructions

PLEASE SAVE THESE INSTRUCTIONS FOR FUTURE USE

SAFETY NOTICE

PLEASE READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW ROOM HEATER. FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY OR EVEN DEATH.

IF THIS ROOM HEATER IS NOT PROPERLY INSTALLED, OPERATED AND MAINTAINED, A HOUSE FIRE MAY RESULT.

TO REDUCE THE RISK OF FIRE, FOLLOW THE INSTALLATION AND OPERATING INSTRUCTIONS.

CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA AND THE NEED TO OBTAIN A PERMIT.

DO NOT INSTALL IN A MOBILE HOME.

DO NOT CONNECT THE UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.



ONLY BURN NATURAL, UNTREATED, DRY WOOD.


U.S. ENVIRONMENTAL PROTECTION AGENCY CERTIFIED TO COMPLY WITH 2020 PARTICULATE EMISSION STANDARDS USING CORD WOOD.

TESTED TO ASTM E3053. MODEL SKYE E700 – 1.69G /HR.

THIS UNIT MUST BE CONNECTED TO EITHER A LISTED FACTORY BUILT CHIMNEY SUITABLE FOR USE WITH SOLID FUELS AND CONFORMING TO, ULC629 IN CANADA OR UL-103HT IN THE UNITED STATES OF AMERICA. OR CODE APPROVED MASONRY CHIMNEY WITH FLUE LINER.

COPY OF SAFETY LABEL LOCATED ON THE BACK OF THE APPLIANCE

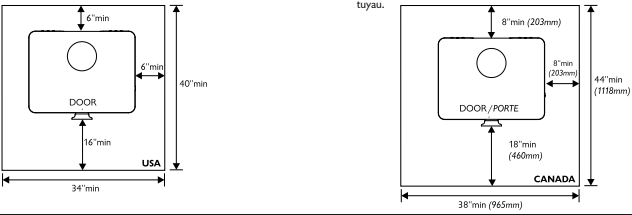
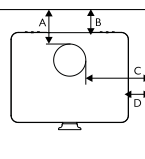
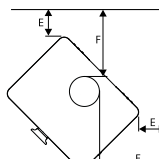






CAUTION
ATTENTION

HOT WHILE IN OPERATION DO NOT TOUCH, KEEP CHILDREN AND CLOTHING AWAY, CONTACT MAY CAUSE SKIN BURNS. KEEP FURNISHINGS AND OTHER COMBUSTIBLE MATERIAL FAR AWAY FROM THE APPLIANCE, SEE NAMEPLATE AND INSTRUCTIONS.

CHAUD LORS DU FONCTIONNEMENT. NE PAS TOUCHER. GARDEZ LES ENFANTS ET LES VÊTEMENTS HORS DE PORTÉE DE L'INSTALLATION. LE CONTACT PEUT CAUSER DES BRÛLURES DE PEAU. GARDEZ LES MEUBLES ET LES MATÉRIEAUX COMBUSTIBLES ÉLOIGNÉS DE L'APPAREIL. VOIR L'ÉTIQUETTE ET LES INSTRUCTIONS.

<p>PREVENT HOUSE FIRES</p> <ul style="list-style-type: none"> • Install and use only in accordance with manufacturer's installation and operating instructions. • Contact local building or fire officials about restrictions and installation inspection in your area. • For use with solid wood fuel only. • Refer to manufacturer's installation instructions and local codes for precautions required for passing chimney through a combustible wall or ceiling. • Do not over fire – if heater or chimney connector glows you are overfiring. • Inspect and clean chimney frequently – under certain conditions of use, creosote buildup may occur rapidly • Do not connect this unit to a chimney flue serving another appliance. • This room heater should be operated with the door closed. • Replace door glass only with ceramic glass part no 006/PY18 available from your dealer. • This room heater must be installed with the stand provided, attached as shown in the installation instructions. 	<p>PRÉVENTION DES FEUX DE MAISON</p> <ul style="list-style-type: none"> • Installez et utilisez en accord avec les instructions d'installation et d'utilisation du fabricant. • Contactez les autorités de construction ou les autorités incendie au sujet des restrictions et des inspections d'installation dans votre région. • Pour usage avec du bois solide seulement. • Référez vous aux instructions du fabricant et des codes locaux relatives aux précautions requises pour faire passer une cheminée à travers un mur ou un plafond combustibles. • Ne surchauffez pas. Si l'appareil de chauffage ou le tuyau de cheminée rouissent, vous surchauffez. • Inspectez et nettoyez la cheminée fréquemment. Sous certaines conditions, il se peut que la creosote s'accumule rapidement • Ne connectez pas cet appareil à une cheminée servant un autre appareil. • Opérez l'appareil seulement lorsque la porte de chargement est fermée. • Remplacez la vitre seulement avec la vitre céramique 006/PY18 disponible chez votre fournisseur. • Cet appareil de chauffage doit être installé sur le support fourni et être fixé comme décrit dans les instructions d'installation fournies. 	<p>CHIMNEY AND CONNECTOR SPECIFICATIONS</p> <p>SINGLE WALL: 6" (152 mm) diameter minimum 24 MSG black or blued steel connector pipe, with a listed factory-built UL103HT* Class "A" chimney, suitable for use with solid fuels, or a masonry chimney and the referenced clearances.</p> <p>DOUBLE WALL: 6" (152mm) diameter, listed double wall air insulated connector pipe, with listed factory built UL103HT* Class "A" chimney, or a masonry chimney and the referenced clearances.</p> <p>* In Canada must comply with standard CAN/ULC-S629-M87 for the 650°C factory built chimney.</p>	<p>SPÉCIFICATIONS DE LA CHEMINÉE ET DU RACCORD DE CHEMINÉE</p> <p>Paroi simple : raccord de cheminée 24MSG d'un diamètre minimum de 6" (152 mm) en acier noir passivé avec une cheminée préfabriquée UL103HT* de classe A, adaptée à l'usage avec les combustibles solides ou une cheminée de maçonnerie, respectant les espaces libres minimum référencés ci-dessous.</p> <p>Paroi double : raccord de cheminée de diamètre 6" (152 mm), refroidi à l'air avec une cheminée préfabriquée UL103HT* de classe A, ou une cheminée de maçonnerie, respectant les espaces libres minimum référencés ci-dessous.</p> <p>*Au Canada, la cheminée doit être conforme à la norme CAN/ULC-S629-M87 –cheminée préfabriquée n'excédant pas 650 °C.</p>																					
<p>FLOOR PROTECTION</p> <p>Floor protector must be of non combustible material such as 24 AWG (0.5mm) (R>=1.00) sheet metal or equivalent extending beneath heater and to front/sides/rear as indicated on the diagram below. In addition: Noncombustible floor protections must extend beneath the chimney connector when installed horizontal from the rear flue exit and extend 2" (51mm) beyond each side.</p>	<p>PROTECTION DU PLANCHER</p> <p>Le protecteur de plancher doit être en matériau incombustible comme une plaque de métal d'épaisseur 24 AWG (0,5mm) ou équivalent, s'étendant sous l'appareil de chauffage, sur les côtés, à l'avant et à l'arrière comme indiqué sur le diagramme suivant.</p> <p>Cas particulier = Les protections incombustibles du plancher doivent s'étendre en dessous du raccord de cheminée lorsqu'il est installé horizontalement et s'étendre de 2" (51mm) au-delà de chaque côté du tuyau.</p>	<p>MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS / ESPACES LIBRES MINIMUM DES MATÉRIEAUX COMBUSTIBLES</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>Dimensions</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Single Wall Pipe Conduit paroi simple</td> <td>16.5" (419mm)</td> <td>11" (279mm)</td> <td>22" (558mm)</td> <td>11" (279mm)</td> <td>11" (279mm)</td> <td>16.5" (419mm)</td> </tr> <tr> <td>Double Wall Pipe** Conduit paroi double**</td> <td>11.5" (292mm)</td> <td>6" (152mm)</td> <td>22" (558mm)</td> <td>11" (279mm)</td> <td>6" (152mm)</td> <td>11.5" (292mm)</td> </tr> </tbody> </table>		Dimensions	A	B	C	D	E	F	Single Wall Pipe Conduit paroi simple	16.5" (419mm)	11" (279mm)	22" (558mm)	11" (279mm)	11" (279mm)	16.5" (419mm)	Double Wall Pipe** Conduit paroi double**	11.5" (292mm)	6" (152mm)	22" (558mm)	11" (279mm)	6" (152mm)	11.5" (292mm)
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		<p>BACK WALL / SIDE WALL MUR ARRIÈRE / MUR DE CÔTÉ</p> 	<p>CORNER INSTALLATION INSTALLATION DANS UN COIN</p> 																					
<p>2023 2024 2025 JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC.</p> <p>JANV. FEV. MARS. AVR. MAI JUIN JUILLET AOÛT. SEPT. OCT. NOV. DEC.</p> <p>DO NOT REMOVE THIS LABEL / NE PAS ENLEVER L'ÉTIQUETTE</p> <p>Made in UK / Fait au Royaume Uni</p>		<p>MANUFACTURED BY: / FABRIQUÉ PAR: Charnwood, Bishops Way, Newport PO30 5WS, United Kingdom / Royaume Uni</p> <p>U.S. ENVIRONMENTAL PROTECTION AGENCY – Certified to comply with July 2020 particulate emission standards</p> <p>AGENCE DE PROTECTION DE L'ENVIRONNEMENT US - Est conforme aux exigences sur les normes d'émissions de particules de juillet 2020</p> <p>TESTED TO: / TESTÉ À: UL 1482, ULC –S627-00</p> 																						

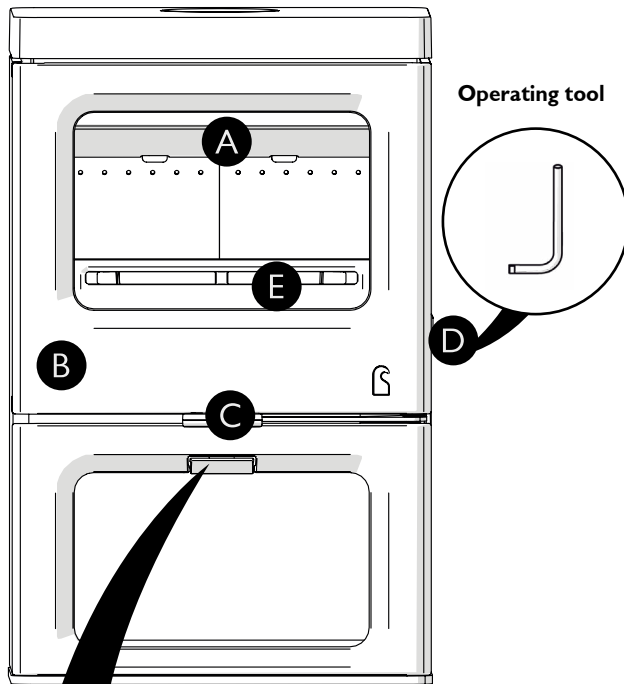
CONTENTS

QUICK GUIDE	4
OPERATING INSTRUCTIONS	5
FUEL	5
DOOR OPERATION	5
MULTI GRATE	5
RIDDLING	6
LIGHTING	6
CONTROLLING THE FIRE DURING A POWER CUT	7
CONNECTING THE DEVICE	8
REFUELLING	9
ASH CLEARANCE	9
OPERATING TOOL HOLDER	9
REDUCED BURNING	9
MAINTENANCE	9
CREOSOTE FORMATION AND NEED FOR REMOVAL	10
THROAT PLATE AND FLUEWAY CLEANING	10
CHIMNEY SWEEPING	11
TROUBLE SHOOTING	11
OPERATING INSTRUCTIONS	12
CO ALARM	12
IF YOU NEED FURTHER HELP	12
UNPACKING THE STOVE	13
HEALTH AND SAFETY PRECAUTIONS	13
CO AND SMOKE ALARMS	13
SPECIFICATION	14
CHIMNEY	14
HEARTH AND FIRE SURROUND	14
CHIMNEY CONNECTIONS	16
SOOT DOORS	17
PRE LIGHTING CHECK	17
COMMISSIONING	17
FITTING THE REAR HEAT SHIELD	18
ELECTRONIC COMPONENT END OF LIFE CONSIDERATIONS.	18
SKYE E700 DIMENSIONS	20
CERTIFICATION	24



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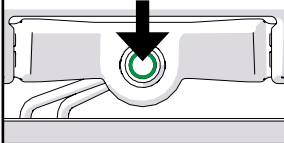
- A Throat plate**
Improves efficiency of stove by slowing down flue gases
- B Door**
Keep closed when stove is in use
- C Door handle**
Pull out to open
- D Riddler knob**
Use operating tool to riddle
- E Fuel retainer**
Ensure fuel does not protrude beyond retainer

AIR CONTROL

Blue light = Automatic mode
Green light - Room Temperature mode
Red light - Test mode

The intensity of the light displayed indicates the burn level. There are 5 levels in each mode, indicated by increasing light intensity.

PRESS



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 & UPPER BAFFLE

Take down once a month and clean. Sweep sooty deposits into fire

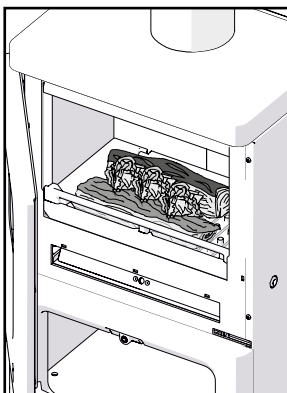
CHIMNEY

Have chimney swept twice a year. Chimney can be swept through stove. Avoid damaging the temperature sensor, located on the right hand side, above upper baffle.

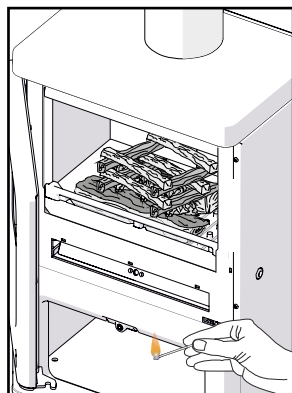
SERVICING

Stove should be serviced by a professional at least once a year.

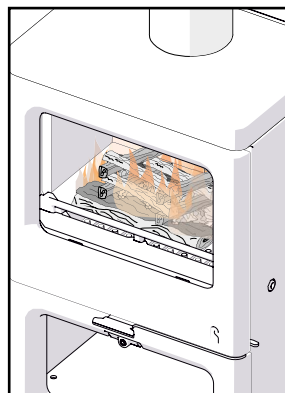
LIGHTING AND CONTROLLING THE FIRE



Place 2-3 12" dry well seasoned logs position left to right into the bottom of the firebox. In Room Temperature or Automatic modes, lighting is controlled by the stove regardless of the setting.



Build a stack of 6-8 softwood kindling sticks. This can be in grid shape or a pyramid, ensure to leave a space between the pieces to allow the air to circulate around and through them and light. If cracked open, the door can now be closed.



Add larger logs once the fire is established. Target Room Temperature, or burn level can be selected depending on the mode being used.

Suitable fuels for your Charnwood:

Wood logs

Unsuitable fuels:

Petroleum coke

Liquid fuel

Household waste

Coal singles

Small nuts or coal dust

Wet or unseasoned wood

OPERATING INSTRUCTIONS



Congratulations on becoming the owner of a Charnwood Skye E700 Stove. It is very important that you read and understand these instructions before using the stove.

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. Always use the provided operating tool and gloves.

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.

This wood heater needs periodic inspection and repair for proper operation. It is against federal regulations to operate this wood heater in a manner inconsistent with operating instructions in this manual.

REMEMBER THE STOVE WILL BE HOT WHILE IN OPERATION. KEEP CHILDREN, CLOTHING AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.

The stove is suitable for intermittent operation.

FUEL

Only dry, well seasoned wood 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 woods (such as Ash, Beech and Oak) are better than soft woods (such as Pine and Spruce). Burning wet, unseasoned wood will also result in considerably reduced outputs. The wood 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. Recommended log sizes are:

12" (300mm) long and 3" (75mm) diameter

The maximum log length is 17" (430mm)

Best results are obtained if two logs are loaded simultaneously, positioned from side to side, one in front of the other.

Log moisture content of less than 20% is recommended.

PETROLEUM COKE IS NOT SUITABLE FOR USE ON

THIS APPLIANCE. ITS USE WILL INVALIDATE THE GUARANTEE.

DO NOT USE CHEMICALS OR FLUIDS TO START THE FIRE.

DO NOT BURN GARBAGE OR FLAMMABLE LIQUIDS SUCH AS GASOLINE, NAPHTHA OR ENGINE OIL.

NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS HEATER. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IT IS IN USE.

DO NOT PLACE FUEL WITHIN SPACE HEATER INSTALLATION CLEARANCES OR WITHIN THE SPACE REQUIRED FOR CHARGING AND ASH REMOVAL

DOOR OPERATION

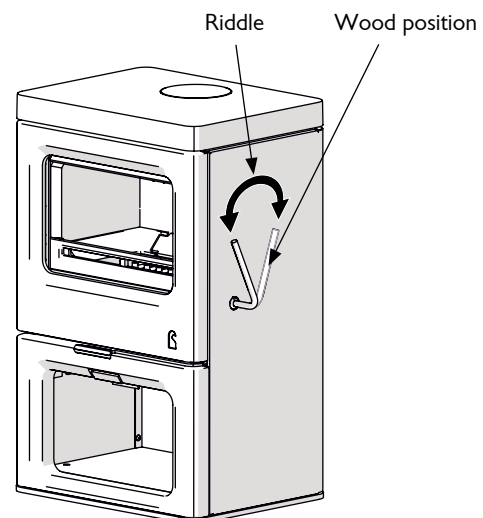
The door handle has been carefully designed to be cool to touch. However, if you need to open the door when the fire is running at maximum then the additional use of a cloth or glove may be required. Do not slam or strike the door.

Take care not to touch the door as it will be hot when the fire is burning. Pull the door handle to open, and push to close. For normal operation, the door must be closed.

DO NOT USE THIS STOVE IF THE DOOR GLASS IS BROKEN.

MULTI GRATE

Fig. 1 Operating the grate



Your Charnwood Skye is fitted with a multi grate to enable wood to be burned and ash to be cleared. The grate has two positions:



1) In the wood position the grate bars are horizontal, allowing the combustion air to come round the sides of the grate and over the top of it. In this position ash is able to build up on the grate as is necessary for effective wood burning.

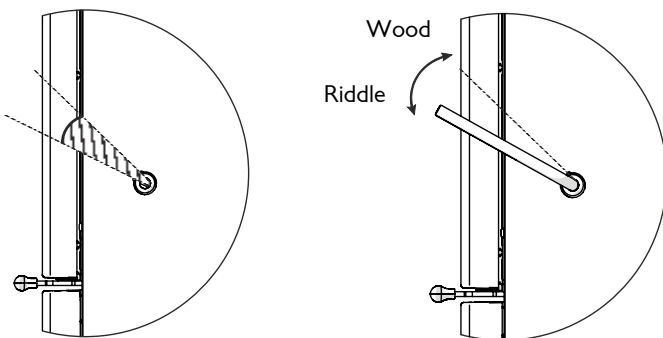
2) In the open position the grate bars are vertical with gaps in between allowing the ash to fall in the ashpan.

The grate is put into the open position by turning the operation tool anticlockwise. The grate is put into the wood position by turning the operation tool clockwise. To riddle the appliance the tool should be moved between the clockwise and anticlockwise positions several times. When burning wood the ash should be allowed to build up and riddling should only be carried out once or twice a week.

RIDDLING

When burning wood, ash should be allowed to build up and only riddled when the ash begins to cover the rear fireplate. The fire should be riddled with the door shut (see Fig.2). Place the operating tool onto the riddling lever and rotate between the open and closed positions several times. Too much riddling can result in emptying unburnt fuel into the ashpan and should therefore be avoided. After riddling, the grate should be put back into the closed position for burning wood.

Fig. 2 Riddling tool



LIGHTING

Before lighting, ensure the stove is in automatic mode. 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.

In Automatic or Room Temperature modes, the stove will ensure that the automatic maximum level 5 setting is selected for the lighting stage and the setting that is made on the app or on the air control at the stove itself.

There are two ways to control the fire - using the air control on the stove (see Fig.3) or by using the app (see Fig.4). The air control on the stove itself allows the user access to step through the 5 intensity burn levels of the Automatic mode, the 5 preset temperatures in Room Temperature Mode and the 5 preset manual settings in Test Mode, whereas the App offers intermediate settings in Room Temperature or Test modes as well as oversight of performance data.

First, start by placing 2-3 dry, well seasoned logs into the bottom of the firebox. On top of this build a stack of 6-8 softwood kindling sticks. This can be in grid shape or a pyramid, be sure to leave a space between the pieces to allow the air to circulate around and through them. Ensure that the assembled wood is no higher than the holes on the back bricks of the firebox and that no logs protrude over the front fence. Place natural fire lighters or paper inside, light the fire and close the stove door. In Room Temperature or Automatic modes, the stove automatically ensures thorough lighting and then transitions to the burn rate set by the user on the app or the air control on the stove itself. The user can leave the stove unattended during lighting if this method is used. Do not leave the door open except as directed above to avoid excessive smoke.

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. Do not build the fire too close to the glass.

CONTROLLING THE FIRE

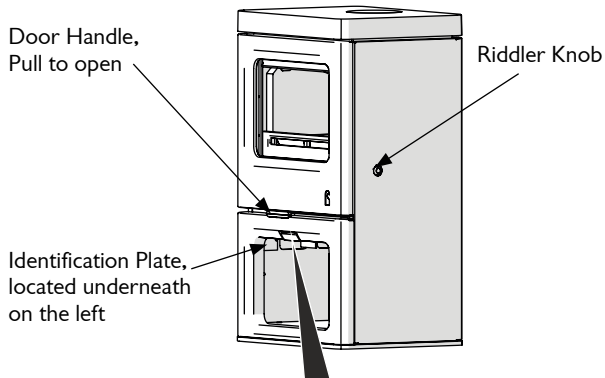
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This wood heater has a manufacturer-set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or otherwise operate this wood heater in a manner



inconsistent with operating instructions in this manual.

Fig. 3 Stove controls



CONTROLLING THE FIRE AT THE STOVE

Blue light = Automatic mode
 Green light - Room Temperature Mode
 Red Light - Test Mode (ten mins)
A long press will switch between modes
 The intensity of the light displayed indicates the burn level. There are 5 levels in each mode, indicated by increasing light intensity.
A short press will index through the intensity levels

PRESS

AUTOMATIC MODE	ROOM TEMP MODE	TEST MODE (10 mins)
Blue light	Green Light	Red Light
Intensity 1	16 °C / 61°F	Shut Down
Intensity 2	20 °C / 68°F	25%
Intensity 3 (default)	23 °C / 73°F	50%
Intensity 4	26 °C / 79°F	75%
Intensity 5	30 °C / 86°F	100%

The stove has two main modes of control - Automatic and Room Temperature Mode. In Automatic Mode there are five intensity levels and the stove will give the most efficient and clean burn at each level over the refuelling cycle. In Room Temperature mode, the stove selects the most appropriate intensity level to achieve the set room temperature. Test Mode gives the user 10 minutes where they can vary the air control from fully closed to the maximum setting as a normal manual stove. After this time, the stove reverts to the default setting in Automatic mode.

The air control will endeavour to burn the fuel loaded in the best way possible and so the output will vary depending on how much fuel is loaded.

The stove mounted air control is easily accessible and the first short

press (< 1.5 secs) will illuminate the button in a colour denoting the current mode and at a brightness that represents the current intensity level out of the 5 different levels available (see table above). Subsequent short presses of the button, whilst it is illuminated, loop through the 5 levels in the current mode. A long press (>1.5 secs) loops through the 3 modes, maintaining the current intensity level. An extra long press (> 5 secs) allows selection of the two emergency modes, denoted by a flashing red light. A short press is used to choose either red flashing light (complete air shutdown in the event of a chimney fire) or green flashing light (nominal air setting allowing manual operation during a power cut). A long press then selects the chosen emergency mode and it is recommended that the power to the stove is turned off after approximately 30 seconds, when the air controls will have reached their appropriate setting, where they remain until normal operation is resumed by cycling the main power.

At other times, the light on the air control can show that the door is open (flashing red), it is time for a reload (pulsing blue) or a factory reset has been invoked by depressing the button before and during power up (flashing white light).

CONTROLLING THE FIRE DURING A POWER CUT

If the power is cut, the air controls maintain their current position. In order to ensure that a adequate combustion can be achieved until power is restored, the dc adapter can be separated from the power extension lead at the intermediate jack connection (between the stove and the power outlet) and replaced with the battery holder containing a 9V battery (not supplied). This will supply up to 30 minutes of operation, however it is recommended that it is used to put the stove into the power cut mode described above, where the air controls will adopt a position suited to a nominal 7kW burn. The battery holder may then be removed and the stove used manually. To initiate good combustion after reloading with logs it may be necessary to crack the door open for a few minutes before closing it and running at nominal.

CONTROLLING THE FIRE WITH THE APP

The stove can also be controlled by the Charnwood app, which gives more refined controls and feedback to the user. This can be downloaded from the Apple App or Google Play stores and more details about its functions can be found on the Charnwood website.

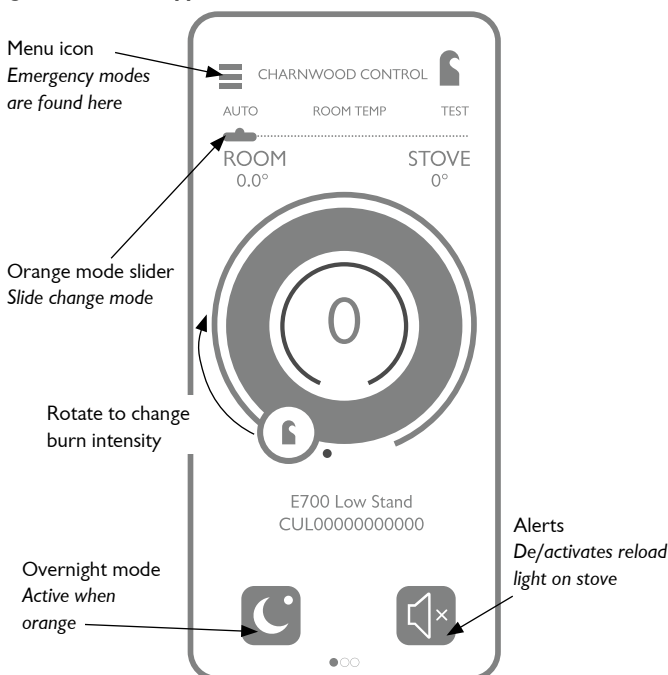


CONNECTING THE DEVICE

The device communicates with the stove via Bluetooth, so it is necessary to pair the stove with the device in order to use the app. A further option to connect the stove to your home WiFi router enables the graphing data to be viewed on the device and also the ability to update the stove firmware if Charnwood issue new programs through the website.

Initial pairing is made by pressing 'Setup Stove'. Scan the QR code on the inner left side of the the stove store stand (torch icon helps to illuminate the code if required). Press OK after a successful QR scan. Rename the stove, select °C or °F and set the number of days that the stove performance data will be retained on the device. Press 'Next'. Near the stove, click 'Connect' and press stove button when it flashes blue, then press 'Pair' on the pop-up window that appears on the device. Bluetooth icon should light blue; click 'Next' to complete the bluetooth pairing process. Please note that the stove requires a 2.4GHz network and will not work over a 5GHz network. If the WiFi capabilities are required, click 'Yes'. Firstly, connect the device to the same network that the stove will be connected to, then enter the Network Name and Router Password into the app, press 'Save' and then 'OK' on the pop-up message. If successful connection is made to the router, the WiFi icon in the top right hand side of the screen will illuminate. Press 'close' and return to the Main Menu, where the 'Control Stove' button will allow the user to take control.

Fig.4 Charnwood App



The orange mode slider is used to change between the 3 Modes:

Auto Mode – User defines burn intensity (1-5) once good combustion has been established. The stove controls the air to maximise the efficiency and minimise the emissions and once it has ensured that the fuel is properly lit, it will burn at the rate defined by the user (1 – 5).

Room Temp Mode – User defines a set room temperature (61 – 90F/16 – 30C) that the stove tries to achieve once good combustion has been established. As Auto mode, except that the user defines a set room temperature (61 – 90F/16 – 30C) that is compared to the room temperature measured by the stove and displayed on the App. The stove automatically adjusts the burn rate to suit the desired room temperature.

The Overnight mode button is active when orange. In this mode, the stove will shut down to preserve char firebed for as long as possible, once the fire is no longer producing smoke. The stove returns to its original mode when fuel is reloaded.

If the Alerts button is activated, the light on the stove pulses blue when it is time to reload.

The stove title shows which stove the App is currently communicating with.

The room temperature displayed in the top left of the screen is actually measured at the stove, so may be slightly warmer than the room at a distance from the stove, however the set temperature is made in relation to this temperature, which allows the user to make an informed choice.

The stove temperature displayed in the top right of the screen is the firebox temperature in the stove and indicates how hot it is running.

When the door is open, an icon appears at the bottom of the screen indicating that the door is open. The button on the stove will also flash red.

When the fire needs refuelling, a log icon flashes in between the overnight and alert buttons and this disappears upon refuelling.

The control screen (see Fig. 4) can be swiped left twice to reveal the dashboard and the graphing information, The menu icon in the top left of the screen can be used to access the Emergency Modes and other app functions that are described on the Charnwood website.



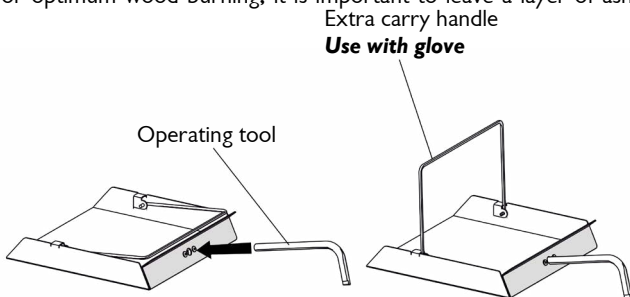
REFUELLING

Logs should be evenly distributed and are best placed from side to side, but not touching either side of the firebox or the glass in the door. Logs must not be loaded above the row of holes in the back firebricks. When loading fuel, there should be an established flame in the firebox before the door is closed. It is best to refuel onto a hot bed of embers and the App will notify you when this is required. Automatic and Room Temperature Modes will keep a char firebed active for as long as possible. It may be necessary to crack the door open to invigorate the firebed in order to adequately light the new fuel and if the firebed has died down too much then more kindling wood must also be added. Once flames are established on the fuel, larger logs can be added. This will avoid excessive smoke emission.

ASH CLEARANCE

Fig. 5 Ashpan

For optimum wood burning, it is important to leave a layer of ash around 1cm thick on the base of the stove. Before removing ash ensure that it has cooled down,



around 1cm thick on the base of the stove. Before removing ash ensure that it has cooled down,

The ashpan is handled using the operation tool and gloves provided. Ensure that the tool is fully engaged before lifting (See Fig.5). When carrying the ashpan, it should be kept horizontal and supported by the carrying handle to prevent it falling off the tool. Please avoid emptying hot ash into plastic liners or bins.

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.** Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have

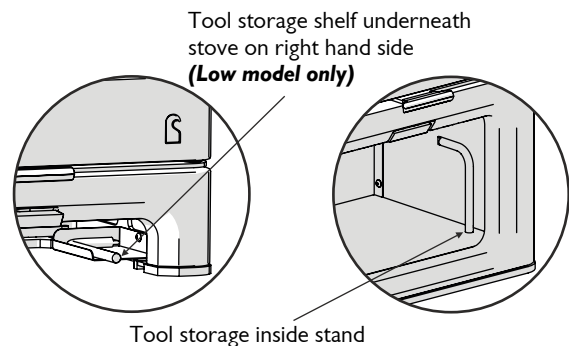
thoroughly cooled.

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

OPERATING TOOL HOLDER

When not in use the operating tool can be stored inside the store stand or on the shelf underneath the stove. (See fig. 6.)

Fig. 6 Operating tool storage



REDUCED BURNING

For reduced burning, the fire door must be closed. Automatic mode should be selected and the burn rate set at level 1. In addition, the overnight button on the App should be active. This will ensure that once the fuel has thoroughly lit, it will burn steadily and slowly to reduce smoke emissions and then maximise the time for which the char firebed is active, before shutting down further to maintain an active firebed for as long as possible.

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; do not clean the stove when it is hot. Should re-painting 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 allow the stove to cool before opening the door; do not clean when hot. 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, select burn rate burn rate 5 on the stove or 99 on the app, turn off power after 30 seconds and the fire door should be left ajar. It is also advisable to sweep the chimney and clean out the fire. Spraying the inside of the door and metal parts of the 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.

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. The following simple checks verify that the electronic control system is working. With the app connected, check that the room temperature changes when you hold the chrome sensor on the front of the cable tray below the airbox. If the throat plate bricks are removed (see below), the stove temperature sensor can be seen protruding 50mm inside the firebox on the right hand side. The stove temperature displayed on the device should change when the sensor is held for a minute. With the app on the Dashboard screen, shine the light of a torch, halogen if possible, directly into the flame sensor, in the glass lens at the centre of the circular firebrick on the right hand side of the inside of the firebox; over a period of a minute, the flame intensity indicator should increase. Finally, switch the stove off and back on again, listening for the hum of the motors calibrating and verifying that no error message appears in the app. Check that the door seals are in good condition and that the door seals correctly. A servicing guide is available on request. If glass replacement is required, it should be fitted in accordance with TIS. 145. Repairs or modifications may only be carried out by the Manufacturer or their approved agents. Use only genuine Charnwood replacement parts.

USE ONLY GENUINE CHARNWOOD REPLACEMENT PARTS, DO NOT USE SUBSTITUTE MATERIALS.

CREOSOTE FORMATION AND NEED FOR REMOVAL

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire.

The chimney connector and chimney should be inspected at least once every two months during the heating season to determine if a creosote build up has occurred.

If creosote has accumulated (3mm, (1/8in.) or more) it should be removed to reduce the risk of a chimney fire.

Establish a routine for the fuel, wood burner and firing technique. Check daily for creosote build-up until experience shows how often you need to clean to be safe. Be aware that the hotter the fire the less creosote is deposited, and weekly cleaning may be necessary in mild weather even though monthly cleaning may be enough in the coldest months. Contact your local municipal or provincial fire authority for information on how to handle a chimney fire. Have a clearly understood plan to handle a chimney fire - see Emergency Modes description.

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.

The throat plate is made up of two bricks and a bracket that slides over the front that holds the two bricks together.

To remove the throat plate, first carefully remove the joining bracket at the front of the throat plate and then lift the two pieces down from the top of the stove. Sweep any sooty deposits from the top of the throat plate into the fire.

Lift out the upper throat plate and clean any deposits, then re-fit it as shown in figure 7. If the rear flue connection is used then the upper throat plate is not required.

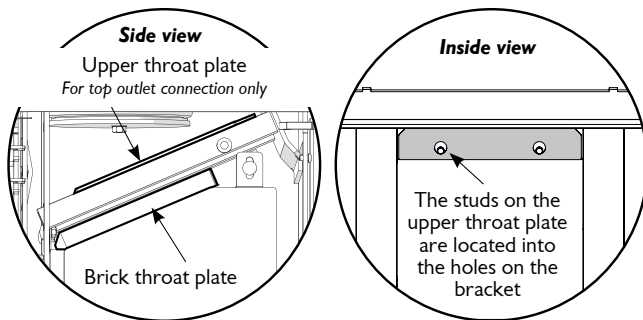
To re-fit the lower throat plate, fit each half so that it rests on the side



and back brick, then, making sure the two halves are fitted closely together, slide the joining clip back onto the front edge, making sure that it is central on the join. The upper throat plate is positioned on top of the air wash tubes and is located with studs into the two holes on the bracket attached to the air wash manifold.

Fig. 7. Throat Plate Location

CHIMNEY SWEEPING



Where the chimney previously served an open fire, it is possible that the higher flue gas temperature from a stove may loosen soot deposits with the consequent risk of flue blockage. It is therefore recommended that the chimney be swept a second time within a month of regular use after installation.

The chimney should be swept at least twice a year. Where the top outlet or vertical rear flue connector is used it will generally be possible to sweep the chimney through the appliance. Be careful not to damage the stove temperature sensor that protrudes 50mm into the right hand side of the firebox above the lower brick throat plate, when sweeping the chimney.

First remove the fuel retainer, throat plate and upper baffle. 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 upper baffle, the throat plate (see Fig. 7) 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.

TROUBLE SHOOTING

Fire Will Not Burn

Check that:

- the air inlet is not obstructed in any way,
- chimneys and flueways are clear,
- a suitable fuel is being used,
- there is an adequate air supply into the room,
- an extractor fan is not fitted in the same room as the stove.
- there is sufficient draw in the chimney. Once the chimney is warm a draught reading of at least 1.25 mm (0.05 in.) water gauge (12Pa) should be obtained.
- The power to the stove control unit is turned on and plugged in. Check that the App can connect and receive stove and room temperatures, indicating that the control unit has power.

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:

- Wet or unseasoned wood, or logs overhanging the front fence will cause the glass to blacken.
- The airwash relies on a supply of heated air to keep the glass clean, therefore, when lighting the stove, provide sufficient kindling wood to adequately light the logs.
- 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. Do not stack wood above the level of the tertiary air holes in the back firebox bricks.
- Do not completely close the air control (dial at 0) when burning in Test mode.

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 and the blanking plate 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 in.) 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.

Fume Emission

Warning Note:

Properly installed and operated this appliance will not emit fumes. Occasional fumes from de-ashing and re-fuelling 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 and then leave the premises.**
- 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 fuming 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.

Fire blazing out of control

Check that:

- a) The door is tightly closed.
- b) The control unit is working by putting it into Test mode and adjusting the burn level to 0.
- c) A suitable fuel is being used.
- d) Door seals and airwash slide are intact.
- e) The control unit is plugged in, turned on and that the device is connected and there are no error messages displayed.

Chimney Fires

If the chimney is thoroughly and regularly swept, chimney fires should not occur. However, if a chimney fire does occur tightly close the stove door, then press and hold the air control until a flashing red light appears. Release the air control and press again until the light goes out and the motors close all the air controls. Disconnect the power supply to the stove. Leave the stove until the fire 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.

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 “Warning Note” above.

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.

DO NOT CONNECT TO OR USE IN CONJUNCTION WITH ANY AIR DISTRIBUTION DUCTWORK UNLESS SPECIFICALLY APPROVED FOR SUCH INSTALLATIONS

INSTALLATION INSTRUCTIONS



UNPACKING THE STOVE

The stove arrives bolted and strapped to its pallet. There must be adequate facilities for unloading and manoeuvring into position. The wrapping is first removed, then the stove released from the pallet by removing 4 pallet bolts using a 10mm spanner. The pallet brackets can now be removed from the stove by tilting it and using a 13mm spanner to remove the bolts. The pallet is intended to be cut up and used for kindling fuel. Replace the bolts to be used for levelling the stove.

HEALTH AND SAFETY PRECAUTIONS

Please take care when installing the stove that the requirements of the health and safety at work are met.

All aspects of the installation must conform to NFPA 211

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.

If room air is used for combustion, then there should 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.

There must be an adequate air supply into the room in which the appliance is installed to provide combustion air. The combustion air supply must be via a permanently open vent. The requirement for minimum free area is partly dependent on the design air permeability of the house. In older properties the air permeability will be above 5.0m³/(h.m²), but in some modern properties it may be less. The vent must be positioned such that it is not liable to blockage. Minimum areas are given in the following table:

AIR PERMEABILITY m ³ /(h.m ²)	MINIMUM VENT AREA cm ² (in ²)
	Skye E700
>5.0	11 (1.76)
<5.0	38.5 (6.0)

A fixed ducted air supply may be used as an alternative to the traditional method of using a permanent open vent into a room to supply air for combustion.

External air supply kits are available please contact Charnwood for more information.

This stove is capable of intermittent operation, and is not suitable for use in a shared flue system.

CO AND SMOKE 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 and smoke alarm must be fitted in the same room as the appliance. 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.

SPECIFICATION

SPECIFICATION	SKYE E700
Fuel	Wood logs
Output	11,100 - 31,900 btu/h (3.3 - 9.3kW)
Stove Weight kg (Packed)	346lb (157kg) - Store Stand 390lb (177kg) - Low
EPA Certified Energy Efficiency	82% LHV / 77% HHV
Emissions Output	1.7 g/hr
Average Flue Temperature	196F
<i>These results were obtained during EPA testing Avoid the possibility of sucking fumes into the room.</i>	



CHIMNEY

The stove must be connected to a code-approved masonry chimney with a flue liner, to a relined masonry chimney that meets local codes, or to a prefabricated metal chimney that complies with the requirements for Type HT chimneys in the Standard for Chimneys Factory-Built, Residential Type and Building Heating Appliance, UL 103, or High Temperature (650°C) Standard ULC S-629 for Canada. In order for the appliance to perform satisfactorily the chimney height must not be less than 13' (4 metres) measured vertically from the outlet of the stove to the top of the chimney. The minimum internal chimney size is 6 inches diameter (150mm) or 6"x6" (150mm x 150mm).

The chimney must extend at least 3' (914mm) above the highest point where it passes through a roof, and at least 2' (610mm) higher than any portion of a building within 10' (3m)

DO NOT CONNECT THE UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

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. Your local building inspector, professional chimney sweep or fire department official will be able to inspect the chimney, or refer you to someone who can. If the chimney is in poor condition then 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 there is no existing chimney then a prefabricated block chimney or a twin walled insulated stainless steel flue can be used either internally or externally. These chimneys must be fitted in accordance with the manufacturers instructions and Building Regulations.

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

If it is found that there is excessive draw in the chimney then a draft stabilizer should be fitted.

It is important that there is sufficient draw in the chimney and that the chimney does not suffer from down-draft. When the chimney is warm the draw should be not less than 1.25mm (0.05") water gauge (12 Pa). If in doubt about the chimney seek expert advice.

HEARTH AND FIRE SURROUND

Fig. 8. Floor Protector - USA

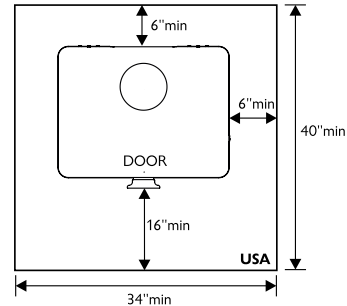
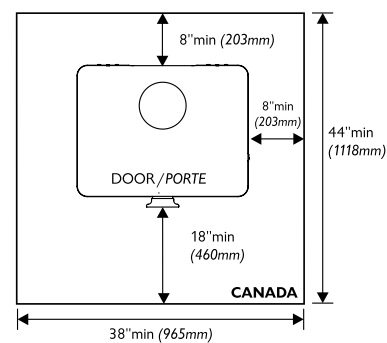


Fig. 9. Floor Protector - Canada



The stove must stand on a fireproof hearth or a non combustible floor protector must be used. The floor protector must be of non combustible material such as 24 gauge sheet metal or equivalent. If carpeting is present, it must be removed before installation of the floor protector. The floor protector may be covered with a noncombustible decorative material if desired. When using brick, tile or stone, individual pieces must be joined by mortar so sparks cannot fall through. When the fire door is open, it extends beyond the flat front of the stove by 19"

In the United States, the floor protector (see Fig. 8.) must extend at least 16" from of the stove front and at least 6" from sides and rear. To meet the requirement in the United States, a floor protector must be at least 34" wide and 40" deep ($R \geq 1.00$).

In Canada, the floor protector (see Fig. 9) must extend 18" (460mm) to the front, and 8" (203 mm) from the sides and rear. To meet Canadian requirements, a floor protector must be at least 38" (965 mm) wide and 44" (1118 mm) deep ($R \geq 1.00$).

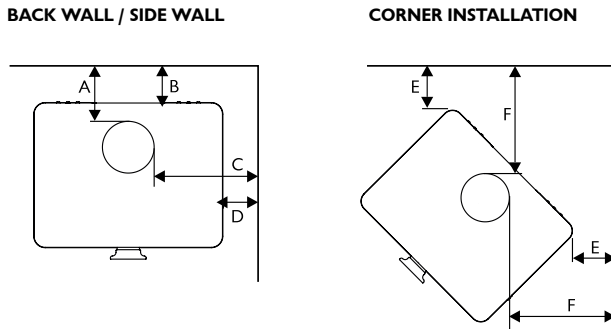
For Rear Flue Connection, floor protection also must extend under the chimney connector and 2" (51 mm) to either side. For the 6" (150 mm) connector used with the Skye E700, the protector must be a minimum of 10" (254 mm) wide, central under the connector.

INSTALLATION INSTRUCTIONS



The stove must be installed with minimum clearances from combustible materials shown in Fig 10.

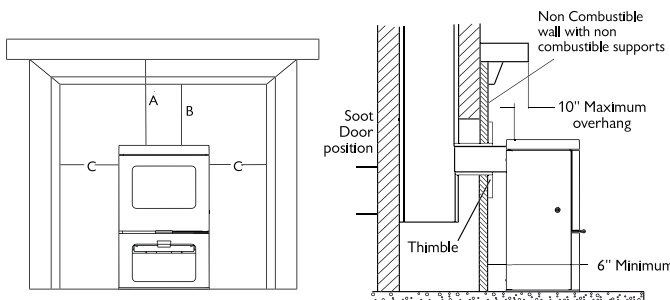
Fig. 10. Clearances from combustible materials



DIMS	A	B	C	D	E	F
Single Wall Pipe	16.5"	11"	22"	11"	11"	22"
Double Wall Pipe + Heat Shield	11.5	6"	22"	11"	11"	22"

For the reduced clearances shown above, double wall flue pipe must be fitted directly to the top of the stove and a heat shield, Part No. 005/AU081 fitted to the rear of the stove. A spacer is also required to attach the optional vertical rear flue connector to the Skye E700 Part no. 010/AU021.

Fig. 11. Clearances from wooden fire surrounds



Minimum Distances from Wooden Fire Surrounds

- **Unshielded**
- A**.....Mantelpiece.....25"(635mm)
- B**.....Top Trim.20"(508mm)
- C**.....Side Trim15"(381mm).....

If a wooden mantelpiece or beam is used in the fireplace it should be a minimum of 25 inches (635mm) from the appliance. In some situations it may be necessary to shield the beam or mantelpiece to

protect it. Shielding must be of non combustible material spaced off the beam by at least 1/2 in (12mm) on non combustible spacers.

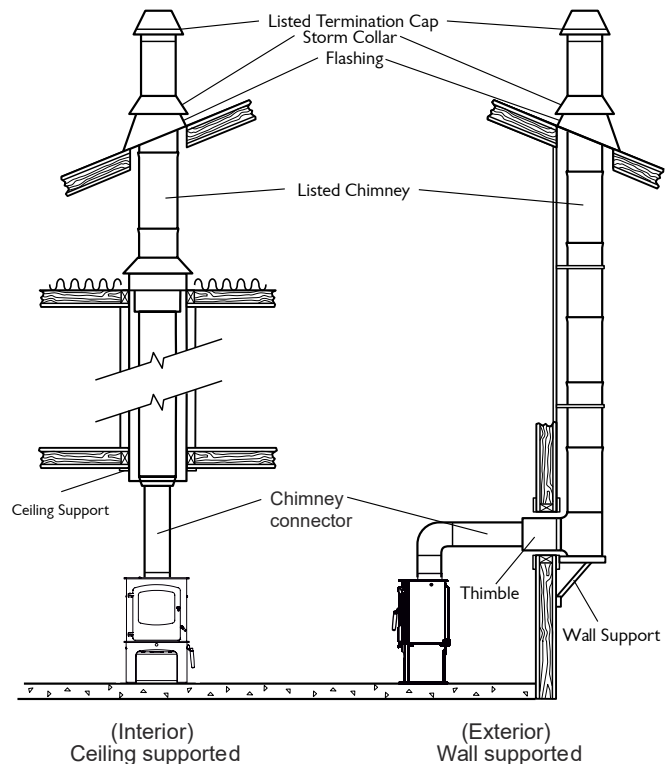
If in doubt as to the positioning of the stove, expert advice should be sought either from the supplier or the local building inspector.

The fireplace must allow good circulation of air around the appliance to ensure that maximum heat is transferred to the room and also to prevent the fireplace from overheating. A gap of 6 inches (150mm) each side and 12 inches (300mm) above the appliance from non combustible materials should give sufficient air circulation.

When the fire door is open, it extends beyond the front of the stove by 19 inches.

In order for the fire to operate correctly there must be an air gap behind the appliance of at least 1.9"(50mm), but be aware that this distance will need to be greater in some cases to meet Building Regulation requirements.

Fig. 12. Connection to a factory-built chimney



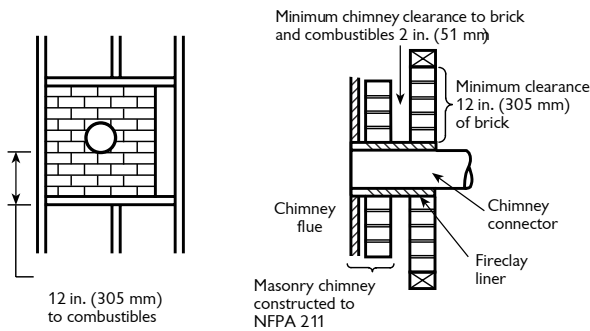
Prefabricated Metal Chimney

Chimney must be minimum 6 in.(152mm) diameter high temperature chimney listed to UL 103 HT or CAN/ULC-S629-M87.

It must use components required by the manufacturer for installation. All the installation clearances required by the manufacturer must be maintained. Refer to the manufacturer's instructions for installation.



Fig. 13. Connection through a combustible wall



Minimum 3.5 in. (90 mm) thick brick masonry wall framed into combustible wall with a minimum of 12 in. (305mm) brick separation from clay liner to combustibles. Fireclay liner (ASTM C 315, Standard Specification for Clay Fire Linings, or equivalent), minimum 5/8 in. (16-mm) wall thickness, shall run from outer surface of brick wall to, but not beyond, the inner surface of chimney flue liner and shall be firmly cemented in place.

CHIMNEY CONNECTIONS

A Chimney Connector is the double-wall or single-wall pipe that connects the stove to the chimney and must be in good condition and kept clean.

Double-wall chimney connectors must be tested and listed for use with solid-fuel burning appliances. Single-wall chimney connectors should be made of 24 gauge or heavier steel, and should be 6” (150mm) in diameter. Do not use a galvanized connector; it cannot withstand the high temperatures that can be reached by smoke and gases, and may release toxic fumes under high heat.

A chimney connector shall not pass through an attic or roof space, closet or similar concealed space, or a floor, or ceiling. The chimney connector must be securely connected to the stove as must all the adjoining sections

Where passage through a wall, or partition of combustible construction is desired, the installation shall conform to CAN/CAS-B365, Installation Code for Solid-Fuel-Burning Appliances and Equipment in Canada or to the National Fire Protection Association (NFPA) in the United States.

There are several ways of connecting the stove to the flue. These are illustrated in figures 14 to 17.

If the vertical rear flue connector or the top flue connection is used, then the chimney may be swept through the appliance.

A spacer is required to attach the optional vertical rear flue connector to the Skye E700.

The stove comes with the blanking plate fitted to the top flue outlet.

The seal for the top outlet is a 7”(180mm) dia ring of rope seal. The seal for the rear outlet is a length of adhesive backed fibre webbing supplied with instructions. This is applied to the flue collar or the Vertical Rear Flue adapter for rear outlet installations. For top outlet installations, the blanking plate must be removed, have the webbing fitted to its sealing face, and fitted to the rear flue outlet. Ensure that the fold on the clamping plate is in line with the lugs on the firebox and that no edges of the clamping plate touch the blanking plate as shown in Fig.16 and that there is clearance between the clamping plate and the blanking plate all along its length. Ensure that the clamping plate does not prevent the throat plate from seating correctly.

The stove comes with the blanking plate (fig. 18) fitted to the rear flue outlet. The seal for the top outlet is a 155mm dia ring of rope seal. The seal for the rear outlet is a length of adhesive backed fibre webbing supplied with instructions ref: TIS093. This is applied to the flue collar or the Vertical Rear Flue adapter for rear outlet installations. The three screw holes in the cast top should be filled with fire cement if the rear outlet is used. For top outlet installations, the blanking plate must be removed, have the webbing fitted to its sealing face, and fitted to the rear flue outlet. Ensure that the fold on the clamping plate is in line with the lugs on the firebox and that no edges of the clamping plate touch the blanking plate as shown in Fig 18. Ensure that the clamping plate does not prevent the throat plate from seating correctly. All flue connections must be well sealed. The top outlet connection is made directly to the cast top, the Skye is supplied with a flue collar for rear outlet installations.

Fig.14. Chimney Connection above the Fireplace

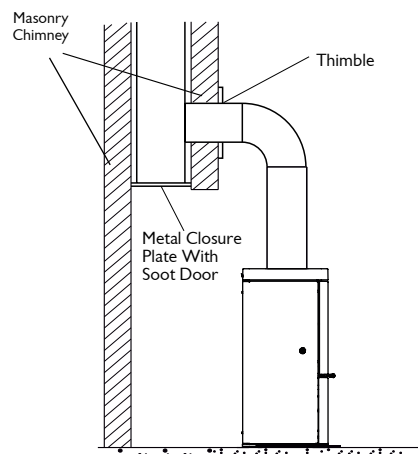




Fig. 15. Horizontal Closure Plate with rear flue connection

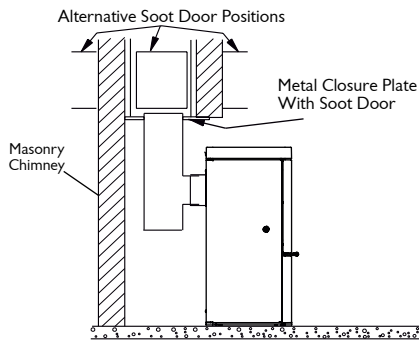


Fig. 16. Horizontal Closure Plate with top flue connection

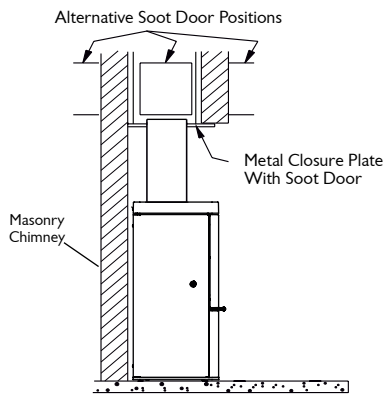


Fig. 17. Horizontal Closure Plate with optional vertical rear flue connector

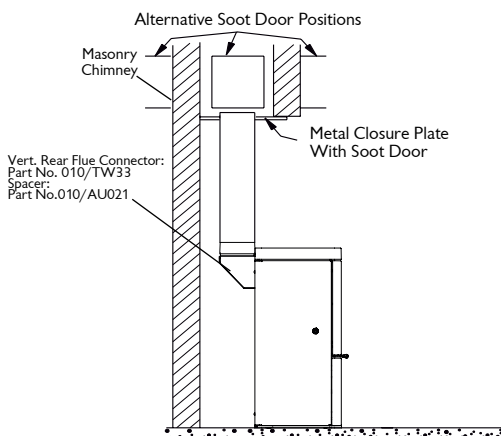
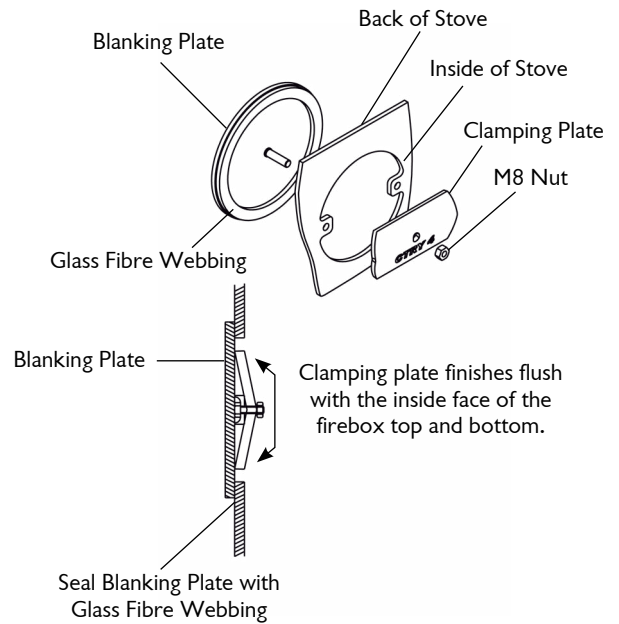


Fig. 18. Flue Blanking Plate



SOOT DOORS

It is possible to pass a 16 inch diameter sweeps brush through the appliance but in most back outlet installations it will be necessary to have a soot door to enable the chimney to be swept. The optional vertical rear flue connector does allow the chimney to be swept through the stove. Soot doors may either be in the actual brickwork of the chimney or in the register plate. Various positions of soot doors are shown in Figs. 14 to 17.

PRE LIGHTING CHECK

Ensure that upper throat plate (Skye E700, top flue outlet connection only) and the throat plate is fitted in the roof of the appliance. The location and positioning of the throat plate is shown in Fig. 7.

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. Make a layer of ash or sand on the base of the stove before lighting. 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.

Flue draught can be checked by removing the bolt underneath the front left hand side (Skye E700)

FITTING THE REAR HEAT SHIELD

The Skye is supplied with an optional rear heat shield. When fitted to the back of the stove and in conjunction with double wall flue, it will reduce the rear distance to combustibles:

Skye E700: 152mm (6 inches)

To fit the optional rear heat shield, loosen the button head allen screws and slide the heat shield on so that the slots on the back of the heat shield fit over the screws. (fig. 19)

Fig. 19. Fitting the optional rear heat shield

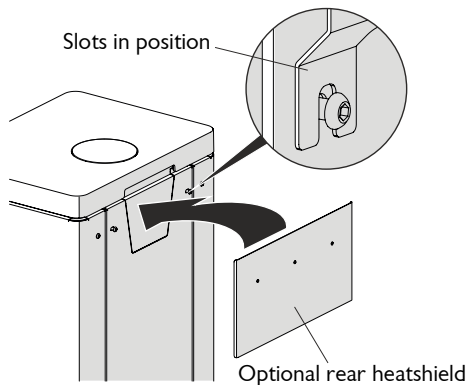
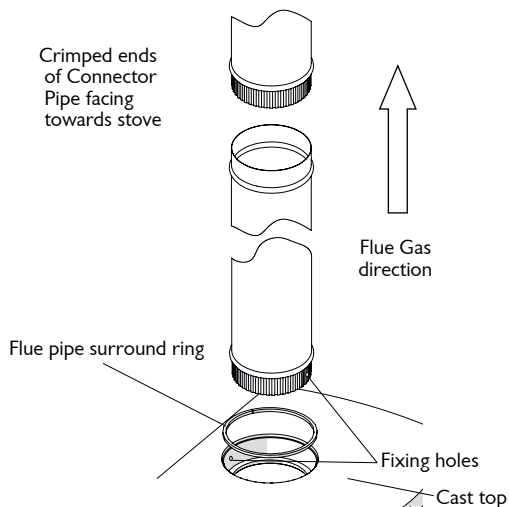


Fig. 20. Chimney Connector.



ELECTRONIC COMPONENT END OF LIFE CONSIDERATIONS.

UK & Europe

The Waste Electrical and Electronic Equipment (WEEE) Regulations 2013/2015 (update), Section 7b, states that the regulations do not apply if the electronics is 'specifically designed and installed as part of another type of equipment that is excluded from, or does not fall within the scope of this directive, which can fulfill its function only if it is part of that equipment'.

UK Gov Guidance 'Electrical and electronic equipment (EEE) covered by the WEEE Regulations', updated 18 January 2021, states : Exempt products are: "a piece of equipment that's designed for and installed in another type of equipment ", "Where electrical energy is only used for support or control functions, the equipment is not covered by the regulations. Equipment that only needs a spark to start it (electronic ignition) and does not need electricity to fulfill its basic function includes: petrol lawn mowers, gas stoves".

The electronic control system on the Skye E700 stove is considered exempt from these regulations on this basis.

Canada

The Canadian Government website provides an inventory of recycling programs across Canada and it is recommended that this resource is used to responsibly recycle the electronic components of the Skye E700 when they reach the end of their life. A description of how to remove all the electrical components from the body of the stove, can be found below.

USA

The EPA website provides links to other sites that summarise the state specific legislation concerning electronic waste and also the recycling programs that are able to process the waste. It is recommended that these resources are used to responsibly recycle the electronic components of the Skye E700 when they reach the end of their life. A description of how to remove all the electrical components from the body of the stove, can be found below.

Australia

The ANZRP website is an example of the provision of a safe and responsible collection of e-waste. It is recommended that this kind of resource is used to responsibly recycle the electronic components of the Skye E700 when they reach the end of their life. A description



of how to remove all the electrical components from the body of the stove, can be found below.

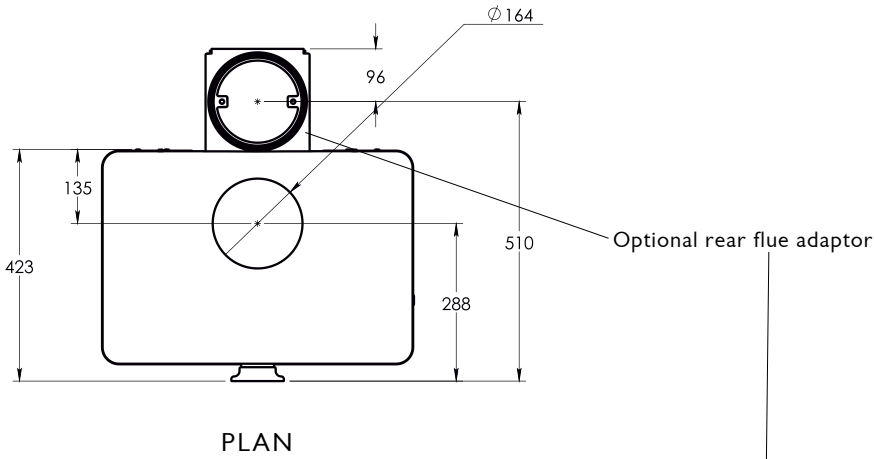
Electronic Component Removal

The air control assembly containing most of the electronics is easily removed, by removing the cable tray, unplugging the seven cables from the front, then loosening the bolts on either side of the assembly, before sliding it forwards and lowering it away from the stove.

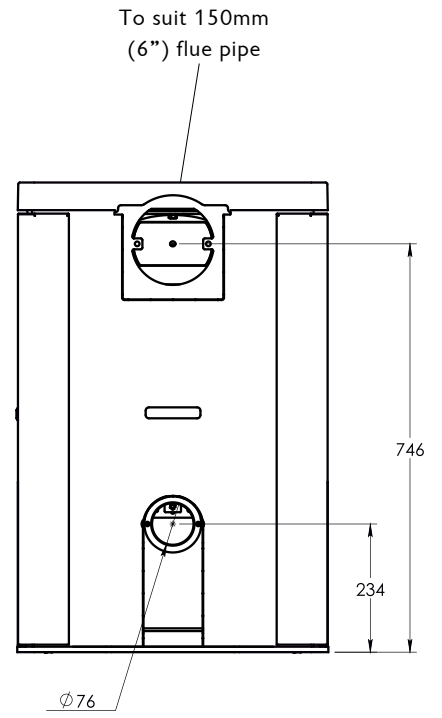
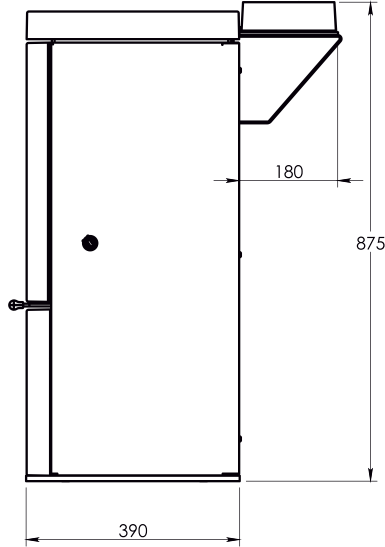
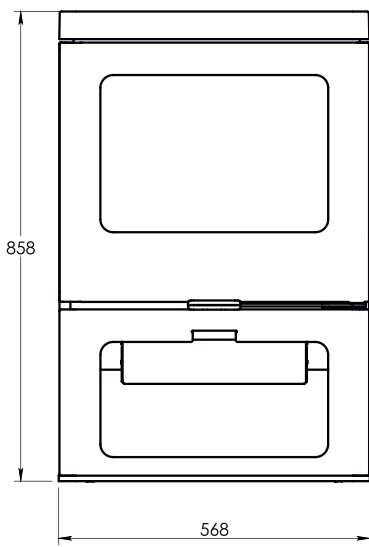
The cover can then be removed by removing the four nuts holding it on and lifting it up, rear first. The front fascia can be unclipped from the board and the three daughter boards can be unplugged from the mother board, then the mother board can be carefully prised away from its mount at each corner and the daughter boards can be removed from the air control disks.

The remaining electronics on the stove consist of the button, which can be removed from the stove in its plastic moulding via the two nuts on the reverse of the lower front casting, the door switch, accessed by removing the lower casting and the room and stove temperature sensors and flame sensor, which can be accessed by removing the right hand panel of the stove.

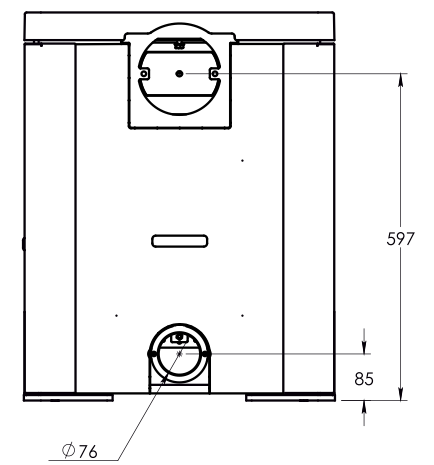
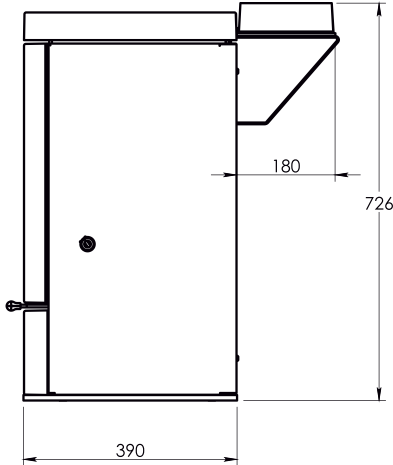
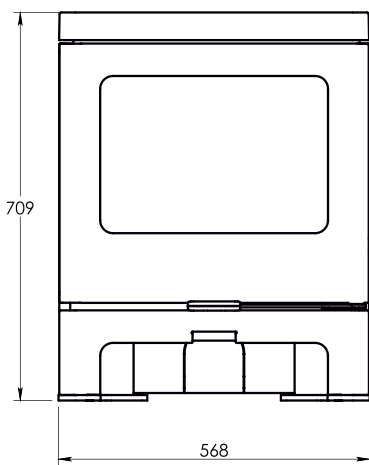
SKYE E700 DIMENSIONS



STORE STAND



LOW



FRONT

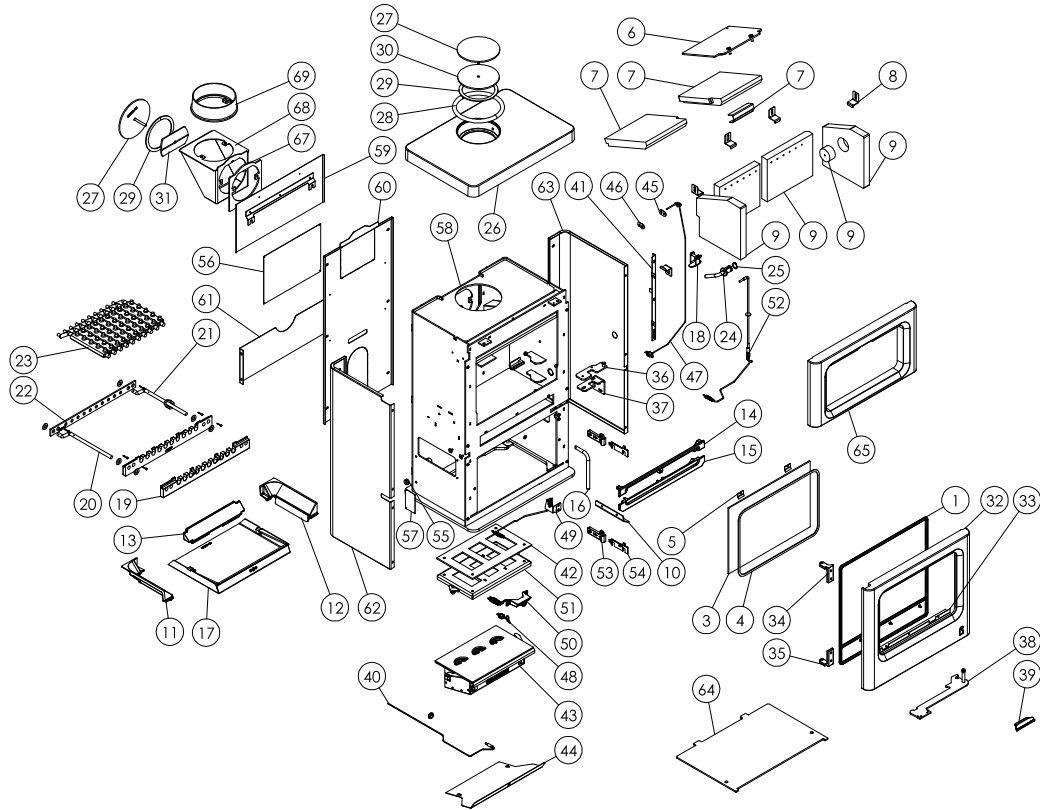
SIDE

REAR

Charnwood Skye E700 Store Stand Parts List



Issue B



Item	Part No.	Description	Item	Part No.	Description
1	008/AU0355	Rope Door Seal Inc Adhesive	36	010/CU063	Door Latch
2*	008/FW29	Door Seal Adhesive	37	010/CU064	Door Latch Bracket
3	006/AU018	Glass	38#	010/CU060	Door Catch Arm
4	008/EW45	Glass Seal	39	008/BU049	Door Handle
5	004/KV23	Glass Retainer	40	008/EL307	6V Power Supply
6	010/AU032	Upper Throat Plate	41	008/CU161	Light Optic Guard
7	011/AU0315	Set of Throat Plate Bricks Inc. Bracket	42	008/CU109	Air Control Gasket
8	004/XV30	Brick Bracket	43	010/CU135	Air Control Assembly
9	011/CU029S	Set of Firebricks	44	008/CU043	Cable Tray With Grommet
10	010/AU019	Undergrate Deflector	45	008/NH700	Thermocouple Retainer
11	002/BU015L	LH Side Fire Plate	46	008/NH701	Thermocouple Retainer
12	002/BU015R	RH Side Fireplate	47	008/CU260	Firebox Thermocouple
13	002/AU016	Back Fireplate	48	008/CU261	Room Thermocouple
14	002/AU008	Deepening Bar	49	008/CU066	Switch and Bracket
15	002/AU007	Front Fence	50	008/CU250	Manual Control Button
16	004/EZ095	Ashpan/Riddling Tool	51	010/CU232	Airbox Upper With
17	004/AP017	Ashpan	52	008/CU160	Glass Rod Assembly
18	010/BU097	Carrier Bar Clamping Bracket	53	002/BU040	Door Hinge Bracket
19	002/AY30	Carrier Bar	54	004/BU039	Door Hinge Shim
20	012/AY13	Idler Rod	55	010/DY24	Spacer
21	010/BU077	Riddler Rod Assembly	56	012/CU012	Safety Label
22	010/AU033	Mover Bar	57	012/CU011	Serial No. Label
23	002/CG20S10	Set of Grate Bars (10)	58#	001/CU010	Firebox
24	002/BU098	Riddler Spigot	59#	005/AU081	Rear Heatshield
25	008/FFM081	Circlip	60#	005/AU080	Rear Panel
26#	003/CU006	Cast Top	61#	005/AU059	Rear Lower Panel
27	010/KZ132	Blanking Plate	62#	005/AU093L	Left Side Panel
28	008/KZ136	Flue Fixing Rope Seal	63#	005/AU093R	Right Side Panel
29	008/KS134	Blanking Plate Seal	64#	010/AU058	Base Plate
30	010/KZ133	Blanking Plate Retainer	65#	003/CU072	Front Casting
31	010/AY51	Clamping Plate	66	010/EW51	Ash Carrier (Optional Extra)
32#	003/CU001A	Door Casting	67	010/AU021	Vertical Rear Flue Adapter Spacer
33	004/AU050	Rope Seal Channel	68#	010/TW33	Vertical Rear Flue Adapter (Opt'l Extra)
34	002/BU041	Upper Hinge	69#	002/CH12B	Flue Collar
35	002/BU042	Lower Hinge			

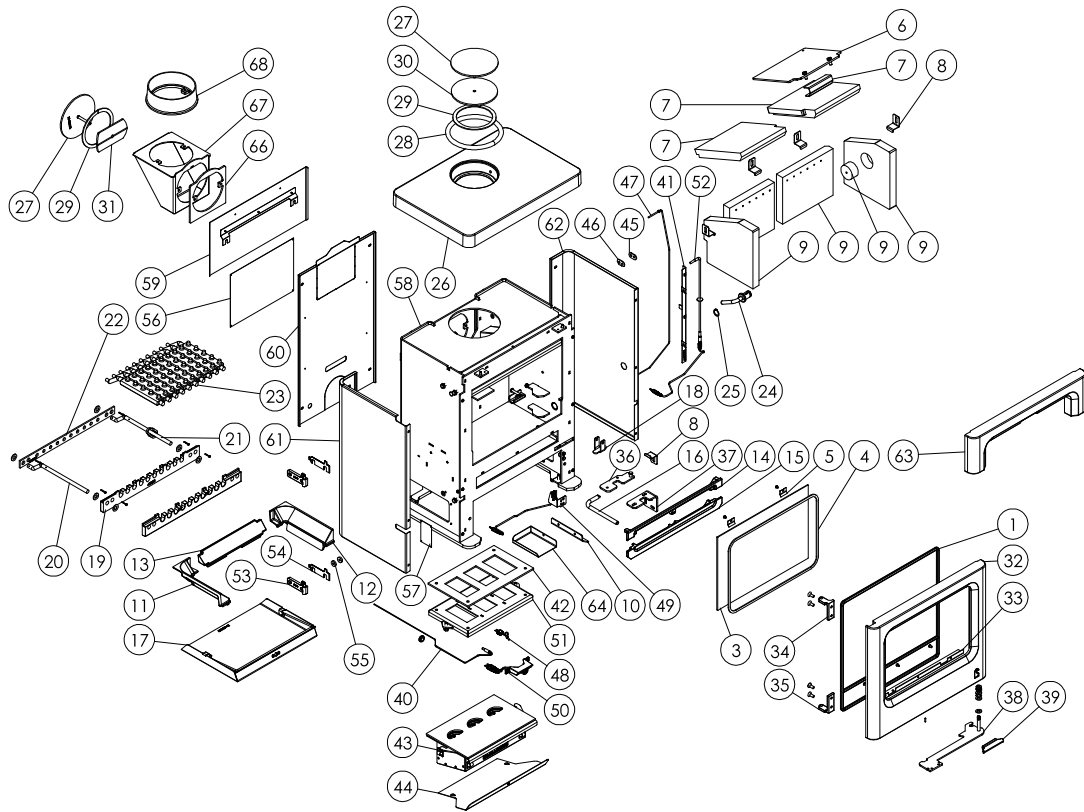
*These items are not shown on the drawing.
Please specify colour when ordering.

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.

Charnwood Skye E700 Low Parts List



Issue B



Item	Part No.	Description	Item	Part No.	Description
1	008/AU0355	Rope Door Seal Inc Adhesive	35	002/BU042	Lower Hinge
2*	008/FW29	Door Seal Adhesive	36	010/CU063	Door Latch
3	006/AU018	Glass	37	010/CU064	Door Latch Bracket
4	008/EW45	Glass Seal	38#	010/CU060	Door Catch Arm
5	004/KV23	Glass Retainer	39	008/BU049	Door Handle
6	010/AU032	Upper Throat Plate	40	008/EL307	6V Power Supply
7	011/AU0315	Set of Throat Plate Bricks Inc. Bracket	41	008/CU161	Light Optic Guard
8	004/XV30	Brick Bracket	42	008/CU109	Air Control Gasket
9	011/CU0295	Set of Firebricks	43	010/CU135	Air Control Assembly
10	010/AU019	Undergrate Deflector	44	008/CU043	Cable Tray With Grommet
11	002/BU015L	LH Side Fire Plate	45	008/NH700	Thermocouple Retainer
12	002/BU015R	RH Side Fireplate	46	008/NH701	Thermocouple Retainer
13	002/AU016	Back Fireplate	47	008/CU260	Firebox Thermocouple
14	002/AU008	Deepening Bar	48	008/CU261	Room Thermocouple
15	002/AU007	Front Fence	49	008/CU066	Switch and Bracket
16	004/EZ095	Ashpan/Riddling Tool	50	008/CU250	Manual Control Button
17	004/AP017	Ashpan	51	010/CU232	Airbox Upper With
18	010/BU097	Carrier Bar Clamping Bracket	52	008/CU160	Glass Rod Assembly
19	002/AY30	Carrier Bar	53	002/BU040	Door Hinge Bracket
20	012/AY13	Idler Rod	54	004/BU039	Door Hinge Shim
21	010/BU077	Riddler Rod Assembly	55	010/DY24	Spacer
22	010/AU033	Mover Bar	56	012/CUL012	Safety Label
23	002/CG20S10	Set of Grate Bars (10)	57	012/CUL011	Serial No. Label
24	002/BU098	Riddler Spigot	58#	001/CUL010	Firebox
25	008/FFM081	Circlip	59#	005/AU081	Rear Heatshield
26#	003/CU006	Cast Top	60#	005/AUL080	Rear Panel
27	010/KZ132	Blanking Plate	61#	005/AUL093L	Left Side Panel
28	008/KZ136	Flue Fixing Rope Seal	62#	005/AUL093R	Right Side Panel
29	008/KS134	Blanking Plate Seal	63#	003/AUL071	Front Casting
30	010/KZ133	Blanking Plate Retainer	64	BUL048	Tool Holder
31	010/AY51	Clamping Plate	65	010/EW51	Ash Carrier (Optional Extra)
32#	003/CU001A	Door Casting	66	010/AU021	Vertical Rear Flue Adapter Spacer
33	004/AU050	Rope Seal Channel	67#	010/TW33	Vertical Rear Flue Adapter (Opt'l Extra)
34	002/BU041	Upper Hinge	68#	002/CH12B	Flue Collar

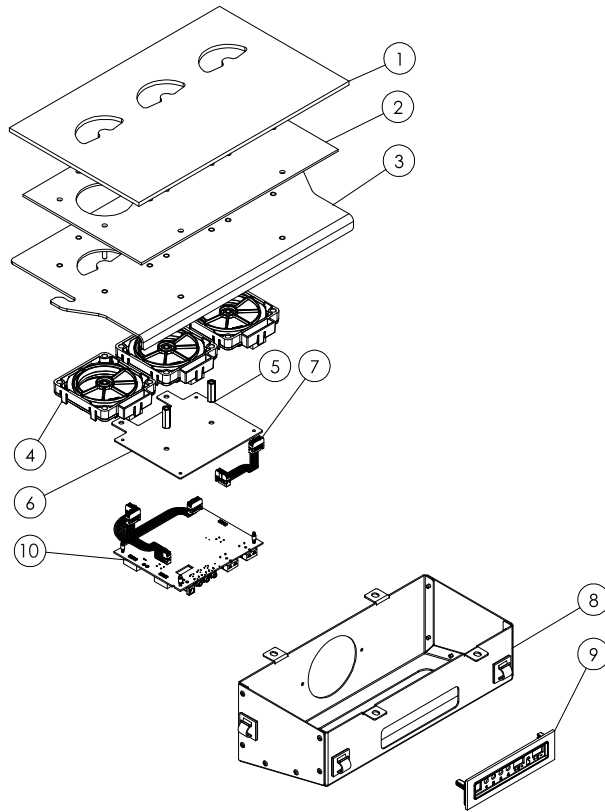
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Charnwood Skye 7 E700 Air Box Assembly Parts List



Issue A



Item	Part No.	Description
1	008/CU110	Air Control Gasket
2	008/CU242	Airbox Cover Gasket
3	010/CU231	Lower Plate Assembly
4	008/NH570	75Mm Air Disk Lower Casing
5	008/FFM087	Hex Spacer M5x25
6	008/CU235	Circuit Board Mount
7	008/EL325	Ribbon Cable Connector
8	010/CU040	Airbox Cover
9	008/CU239	Socket Surround With Gasket
10	008/NH590	Motherboard

*These items are not shown on the drawing.
Please specify colour when ordering.



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23

UL 1482-2020 ULC S627:2021

ROOMHEATERS FIRED BY SOLID FUEL

MODEL:	Skye E700
EC CERTIFICATE OF CONFORMITY NO:	CU44-CPD-2020
FUEL TYPE:	WOOD LOGS
EPA HEAT OUTPUT RANGE	11,100 - 31,900 btu/h (3.3 - 9.3kW)
EPA CERTIFIED EMISSIONS	1.7 g/hr
EPA CERTIFIED ENERGY EFFICIENCY	82% LHV / 77% HHV

FINAL CLEARANCE SUMMARY	
Pedestal Base	Approved for use with thermal floor protection (>R=1.00)

CLEARANCE	PARALLEL WALL			
	Top Vent – Ceiling Exit – Single Wall Pipe		Top Vent – Ceiling Exit – Double Wall Pipe	
	INCHES	MILLIMETERS	INCHES	MILLIMETERS
Side Wall to Appliance	11	279	11	279
Side Wall to Flue Collar	22	558	22	558
Back Wall to Appliance	11	279	6	152
Back Wall to Flue Collar	16.5	419	11.5	292
Ceiling – From floor	96	2438	96	2438

CLEARANCE	ALCOVE INSTALLATIONS - DOUBLE WALL PIPE	
	INCHES	MILLIMETERS
Side Wall to Appliance	11	279
Side Wall to Flue Collar	22	558
Back Wall to Appliance	6	152
Back Wall to Flue Collar	11.5	292
Ceiling – From top of stove	18	457

CLEARANCE	CORNER WALL INSTALLATIONS			
	Top Vent – Ceiling Exit – Single Wall Pipe		Top Vent – Ceiling Exit – Double Wall Pipe	
	INCHES	MILLIMETERS	INCHES	MILLIMETERS
Adjacent Wall to Flue Collar	16.5	419	11.5	292

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