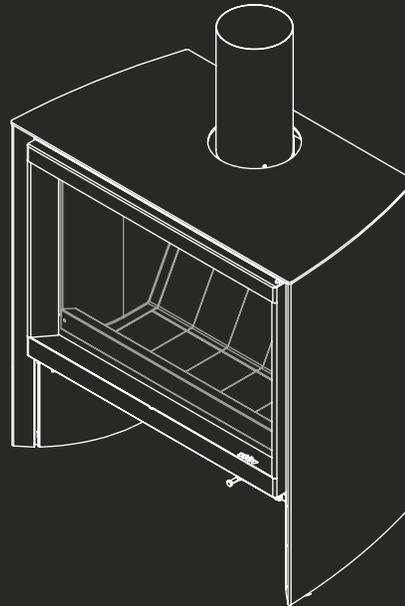


s[6]H

INSTALLATION MANUAL

Save these instructions for future reference.



REQUIRED TOOLS



Impact drill



Hammer



Crowbar



Level



Measuring tape

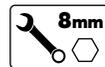


Cutting pliers

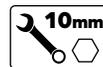


Pliers

REQUIRED HARDWARE



8 mm flat spanner



10 mm flat spanner



10 mm hex socket



Torx 20 bit



Torx 30 bit



No. 2 square bit

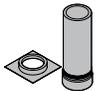
REQUIRED MATERIAL



Ø4" clamping collar and flexible duct (option)



Protective fabric or cardboard



Chimney kit

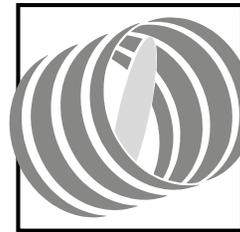
ADDITIONAL MANUALS

Thank you for choosing a Stûv wood-burning stove! It has been designed to provide maximum pleasure, comfort and safety. The utmost care has been taken in manufacturing this product. If, despite this, you still find a flaw, please contact your dealer.

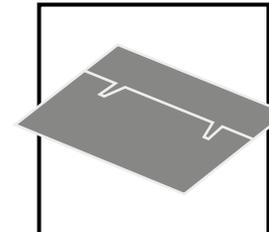
This manual explains how to carry out a standard installation of a s6-H unit. To install the H base or the air damper, certain particularities, which are outlined in the additional manuals provided, must be followed as applicable. If the additional manuals are missing, contact our customer service department and request the manual(s) needed, mentioning the code under the icon(s) below.

Look for these symbols. They signal a change from the standard installation. It is very important to look through the installation manual and the additional manuals before getting started and to follow the instructions closely during installation to ensure that no steps are omitted.

Keep all installation manuals provided close at hand to have all the information needed and to ensure proper and safe installation.



AIR DAMPER
93109290



FLOOR PLATE
93109293



IMPORTANT

Before installing this Stûv unit, contact the local authorities and/or your insurance company to obtain a building permit and inquire about all the requirements that need to be met.

For information on all the applicable regulatory requirements, contact your local fire department before starting the installation.

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1



CERTIFICATION

1.1	CERTIFICATION	5
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Tested and certified by CSA
as for standard:

UL 1482 - 7th Edition & CAN/ULC-S627-2023 4th Edition
CSA B415.1-22
EPA 2020 CRIB WOOD
CHIMNEY 6" : UL-103HT ou ULC-S629
ASTM E2780 | ASTM E2515-11 methods 28R as referenced
in CFR EPA Title 40, Part 60, Subpart AAA

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.

This unit must be installed by a qualified professional. Improper installation could result in a fire. To reduce the risk of fire, follow the installation instructions.

This wood heater must be installed in accordance with standard **CSA B365 (Canada) or N.F.P.A. 211 (United States)**, the Installation Code for Solid-Fuel-Burning Appliances and Equipment, the applicable building code and standards applicable to the structure in which the insert will be installed.

The instructions for the installation of this wood-burning stove comply with the above-mentioned standards. They must be closely followed to eliminate the risk of serious problems.



NOTE

We strongly recommend that our products be installed and maintained by professionals certified by the Association des Professionnels du Chauffage if you are in Quebec or by Wood Energy Technical Training for the rest of Canada, and by the National Fireplace Institute in the United States.



s6-H	76x60
Average particulate emission rate in g/h (output)	1.9 g/h
Average particulate emission rate in g/MJ (output)	0.079 g/MJ
1st hour Emission rate	4,03 g/h
Average efficiency of the appliance (%)	68.25%
Minimum heat output rate (BTU/h)	22 079 ***
Maximum heat output rate (BTU/h)	23 388 ***
Max. log length	20"
Weight	230 lb.
Combustion chamber volume	1.58 pi ³
Wood consumption/H	3.9 lb/h
Tested fuel	Crib wood

This manual describes the installation and operation of the s6-H wood heater. This heater meets the 2020 U.S. Environmental Protection Agency's crib wood emission limits for wood heaters sold after May 15, 2020.

*** Under specific test conditions this heater has shown to deliver heat at rates ranging from 22 079 to 23 388 Btu/hr.

United States Design Patent No. US D930,131 S



ATTENTION!

CHAUD LORSQU'EN FONCTION.
GARDER LES ENFANTS,
VÊTEMENTS ET MEUBLES HORS
DE PORTÉE. TOUCHER L'APPAREIL
POURRAIT CAUSER DES
BRÛLURES. VOIR LA FICHE
SIGNALÉTIQUE ET INSTRUCTIONS.



CAUTION!

HOT WHILE IN OPERATION
DO NOT TOUCH, KEEP
CHILDREN, CLOTHING AND
FURNITURE AWAY.
CONTACT MAY CAUSE SKIN
BURNS. SEE NAME-PLATE
AND INSTRUCTIONS.

CERTIFIED AND CONFORMS TO / CERTIFIÉ ET CONFORME SELON:
CANULC-5627-2023, 4^e Edition | UL 1482 - 7th Edition | CSA B415.1-22 | EPA 2020 CRIB WOOD I
ASTM E2780 | ASHRAE 215-11 Methods 28H as referenced in CFP EPA Title 40, Part 60, Subpart AAA I
6-H 76x60 | 19 971 (EPA 2020)

LISTED FACTORY BUILT STOVE FOR USE IN CANADA AND THE U.S.A.
NOT SUITABLE FOR MOBILE HOME INSTALLATION (United States only)
POÈLE PRÉ-FABRIQUÉ HOMOLOGUÉ POUR LE CANADA ET LES É.U.
NE PAS INSTALLER DANS UNE MAISON MOBILE (États-Unis seulement)

U.S. ENVIRONMENTAL PROTECTION AGENCY
Certified to comply with 2020 particulate emission standards for single burn rate heaters. This single burn rate wood
heater is not approved for use with a flue damper.
AGENCE DE PROTECTION DE L'ENVIRONNEMENT É-U
Conforme aux standards d'émissions pour foyers à combustion constante 2020. Ce foyer à vitesse de combustion
constante n'est pas approuvé pour utilisation avec un clapet de fumée.

CHIMNEY TYPE (See manual for appropriate choice)

TYPE DE CHEMINÉE (Voir le manuel d'instruction pour les bons choix)
Utiliser uniquement un connecteur à double parois (noir) de 6 pouces.
Utiliser uniquement une cheminée de 6 pouces répertoriée selon la norme UL 103 HT ou UL-C-529

- Fuel: Cord wood only. All other fuels are forbidden.
- Unit can be placed directly on combustible material if covered with ember protection under and around the unit. See gray area on illustration for minimum requirement.
- Do not obstruct the space beneath the heater. That could create issues with combustion or over-heating building code for heat extension dimensions.
- Install and use only in accordance with STUV's installation and operating instructions.
- Replace glass only with STUV's ceramic glass 4mm thick.
- Do not operate unit with the door open and open the door only to reload.
- Components used with fireplace must be listed. See installation manual.
- Contact your local building or fire officials about restrictions and installation inspections in your area.
- Do not overfire - If stove or chimney connector glews, you are overfiring.
- Do not connect this unit to a chimney flue serving another appliance.
- Inspect and clean chimney frequently - Under certain conditions of use, creosote buildup may occur rapidly.
- Do not use a repair wood heater for proper operation.
- This wood heater needs periodic inspection and repair for proper operation. Consult the installation manual for further information. It is against federal regulations to operate this wood heater in a manner inconsistent with the operating instructions in the owner's manual.
- To be installed as a freestanding space heater with the clearances in the owner's manual.
- Do not use this unit in any space where it is not listed in any applicable factory-built fireplace.
- **CAUTION:** Hot parts may cause injury. Do not operate unit with removed parts.
- **CAUTION:** Moving parts may cause injury. Do not operate unit with removed parts.
- Combustible: Bois de corde seulement. Tout autre combustible est interdit.
- Cet appareil peut être placé directement sur un matériau combustible si couvert d'une protection contre les braises sous et autour l'appareil. Voir la zone grise de l'illustration pour dimensions minimum.
- Ne pas obstruer les entrées et sorties d'air de combustion et convection sous l'appareil. Ceci pourrait créer des problèmes de combustion ou de surchauffe.
- Installez et utilisez conformément aux instructions d'installation et d'opération de Stûv.
- Remplacez le verre uniquement par un verre de céramique Stûv de 4 mm d'épaisseur.
- Ne pas utiliser l'appareil avec les portes ouvertes et charger seulement si la porte est fermée.
- Les composants utilisés avec une cheminée doivent être répertoriés dans le manuel d'installation.
- Communiquez avec les autorités locales en matière de construction ou d'incendie pour connaître les restrictions et inspections d'installation dans votre région.
- Ne pas chauffer au point où des parties deviennent rougeoyantes.
- Ne pas connecter cette unité à une cheminée servant d'autres appareils.
- Inspectez et nettoyez la cheminée fréquemment - Dans certaines conditions d'utilisation, l'accumulation de crasse peut se faire rapidement.
- N'utilisez pas de chenet. Ne pas suralimenter le feu. Brûlez le bois directement au fond de lâtre.
- Cet appareil a besoin d'une inspection et de réparation périodiques pour un bon fonctionnement.
- Il est contraire aux règlements fédéraux d'utiliser cet appareil d'une manière incompatible avec la notice d'installation.
- À installer comme un appareil de chauffage autonome en respectant les dépannements prescrits dans la notice. Ne doit pas être installé dans un foyer et dans un foyer manufacturé.
- **ATTENTION:** Parties chaudes. Ne pas utiliser l'appareil avec le capot retiré.
- **ATTENTION:** Parties mobiles peuvent causer des blessures. Ne pas faire fonctionner après avoir retiré des pièces.

MADE IN CANADA / FABRIQUÉ AU CANADA

STUV 6	76x60
Average particulate emission rate in g/h and g/MJ (outlet) Emission particulaire fines moyenne en g/h et g/MJ (sortie)	1.9 g/h 0.079 g/MJ
Average efficiency of the appliance (%) Rendement moyen de l'appareil (%)	68.25%
Minimum heat output rate (BTU/h) Puisissance minimum (BTU/h)	22,079
Maximum heat output rate (BTU/h) Puisissance maximum (BTU/h)	23,368

Check STUV's installation instructions for precautions required for passing a chimney or chimney connector through a combustible wall or ceiling and reference to local building code for details.
Se référer au code d'habitation et aux instructions STUV avant de traverser le mur ou le plafond avec votre conduit de cheminée.

DO NOT REMOVE THIS LABEL
NE PAS RETIRER CETTE ÉTIQUETTE

The minimum clearances indicated below are from the unit or its glass and for all types of combustible materials.
Les éloignements minimum indiqués ci-dessous sont à partir de l'appareil ou de sa vitre et pour tous matériaux combustibles.

Clearances | Déloignements
A: 4 1/2" A': 9 1/2" B: 1" C: 6 1/2" C': 22 5/8"
C (Alcove): 8 1/2" C' (Alcove): 24 1/8" Ceiling / Plafond: 16"

Floor protection | Protection de sol
CANADA: D: 47 1/2" x P: 16" | USA: D: 40 1/2" x P: 14"

Hauteur sous la vitre du poêle à la protection de sol
CANADA: N/A | * USA: 17" = NACP value / Sans facteur R
*/ adjustable leg | Pieds ajustables de 7/8"

For more details, consult the installation manual.
Pour plus de détails, consulter la notice d'installation.

MODEL/MODÈLE:
STUV 6-H 76x60

MANUFACTURED BY / FABRIQUÉ PAR:
STUV AMERICA 34, Boul. de l'Arboret
Bromont, QC Canada J2L 1S6 (stuvamerica.com)

DATE OF MANUFACTURE / DATE DE FABRICATION	JAN	FEB	MAR	APR
2025				
2026				
2027				

LABEL NO. / NO. D'ÉTIQUETTE:
STUV 6 _ 000 000

stûv
AMERICA

SA®
US Energy Verified

IMPORTANT
This Stûv appliance must be registered to be covered by the warranty. Please refer to the last section of this document for guidance.

The self-adhesive marking label and the riveted label with the serial number are located in the drawer under the combustion chamber. They contain all the information needed to register this product.

Marking label

Serial number

stûv A-000 000
AMERICA

*Designed in Belgium,
made in Canada!*



! WARNING

1. It is essential that this Stûv unit be installed by a qualified professional. For information on all the applicable regulatory requirements, contact the local fire department before beginning the work. The installation of the unit must comply with all local and national regulations.
2. The instructions for the installation of this unit comply with the aforementioned standards and with all local and national regulations; They must be closely followed to eliminate the risk of serious problems.
3. It is against federal regulations to operate this wood heater in a manner inconsistent with operating instructions in this manual.
4. Any modifications made to this unit may pose a hazard and will void the warranty. Should repairs be necessary, use only Stûv replacement parts.
5. Combustible materials such as firewood, wet clothing, etc. placed too close to the unit could catch fire. Objects placed in front of the unit must be kept at a distance of at least 48" (4') from the unit's glass face.
6. We recommend storing solid fuel in a clean, dry place. Do not place this type of fuel within the risk area or in the loading/ash removal area.
7. Do not operate this appliance with the door open. Never leave the stove unattended when the door is open. Always close the door after the ignition period. Operating with the firing door open can result in overheating and premature wear of the parts.
8. Do not burn garbage, flammable liquids such as gasoline, naphtha and engine oil, plastic, petroleum-based products, rubber, industrial solvents, paper, cardboard, wood extracted from salt water and dried, painted wood or any substance that emits dense fumes and strong odours.
9. 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 use chemicals or fluids to start the fire.
10. Do not overfire the unit and do not use highly volatile fuel or combustible. Raising the temperature outside of the combustion chamber can result in a chimney fire.
11. Make sure the home is equipped with a smoke detector and carbon monoxide monitor kept near the stove to prevent carbon monoxide poisoning. We recommend keeping a type A or ABC fire extinguisher on hand in the event of a chimney fire.
12. Do not connect this appliance to a chimney flue serving another appliance, or to a hot air distribution system. Do not connect to or use in a conjunction with any air distribution ductwork unless specifically approved for such installations.
13. Hot while in operation. Keep children, clothing and furniture away. Touching the appliance while it is in operation may cause burns.
14. Some parts of the stove can be very hot when operated at rated capacity. Do not allow the stove to heat to the point where parts become red.
15. This appliance needs periodic inspections and maintenance for proper operation (minimum twice during the heating season).
16. Conduct regular maintenance of the stove as previously recommended.
17. Inspect and sweep the chimney frequently to ensure that it is in good condition. Creosote can build up quickly in certain operating conditions. Inspect and repair the chimney pipe as needed to ensure proper operation.
18. Do not install this unit in a mobile home **(United States only)**.
19. The air inlets and outlets must remain unobstructed at all times. Do not obstruct the space beneath the heater, it could impact the combustion air opening.
20. 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.
21. Do not install in any fireplace. Do not install in a factory-built fireplace.
22. WARNINGS FOR TRANSPORTABLE BUILDING :
 - It is permit to install this unit in a transportable building in **CANADA ONLY**.
 - Do not install in sleeping room.
 - The structural integrity of the mobile home floor, wall and ceiling/roof must be maintained.
 - Remove the chimney for transportation of the building.

2

COMPONENTS



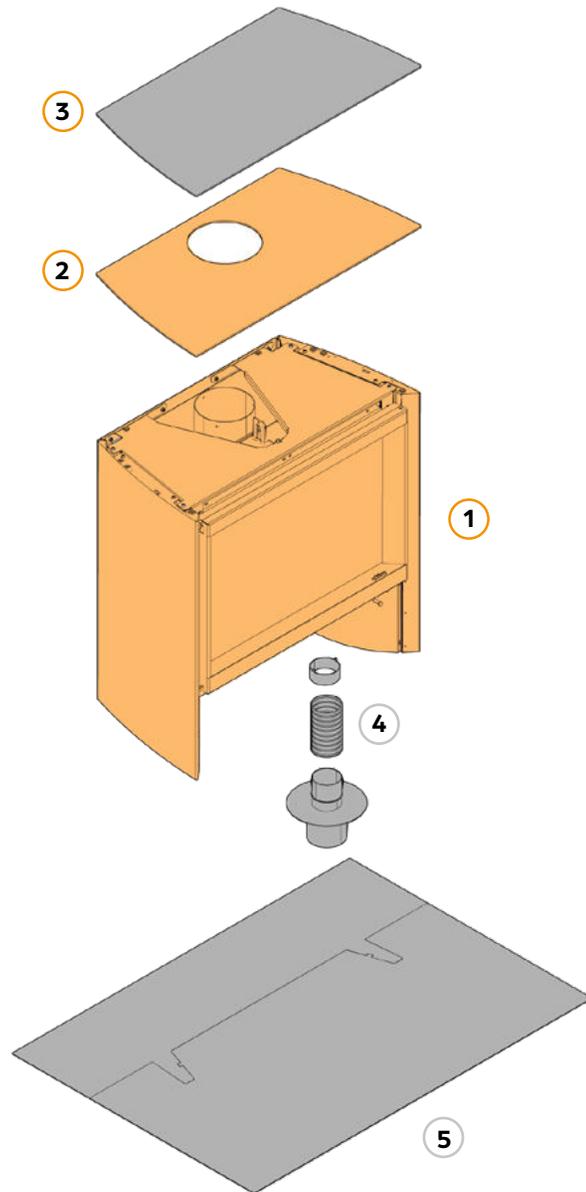
2.1	LIST OF COMPONENTS	9
2.2	OPTIONAL KITS	10

2.1 LIST OF COMPONENTS



76x60

10060404



#	DESCRIPTION	PRODUCT CODE	INCLUDED OR OPTION	Q ^{TÉ}
1	Stove	N/A	Included	1
2	Upper shelf for vertical smoke outlet	N/A	Included	1
3	Upper shelf for rear smoke outlet	12020043	Option	1
4	Outside air intake connector	12002140	Option	1
5	Non-insulated floor plate	13091204	Option	1
	Insulated floor plate	13091304	Option	



Option



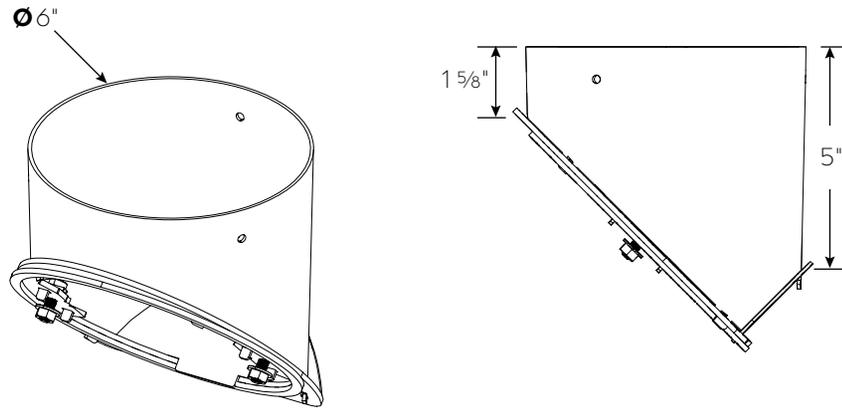
Included

2.2 OPTIONAL KITS (NOT INCLUDED)



SMOKE OUTLET

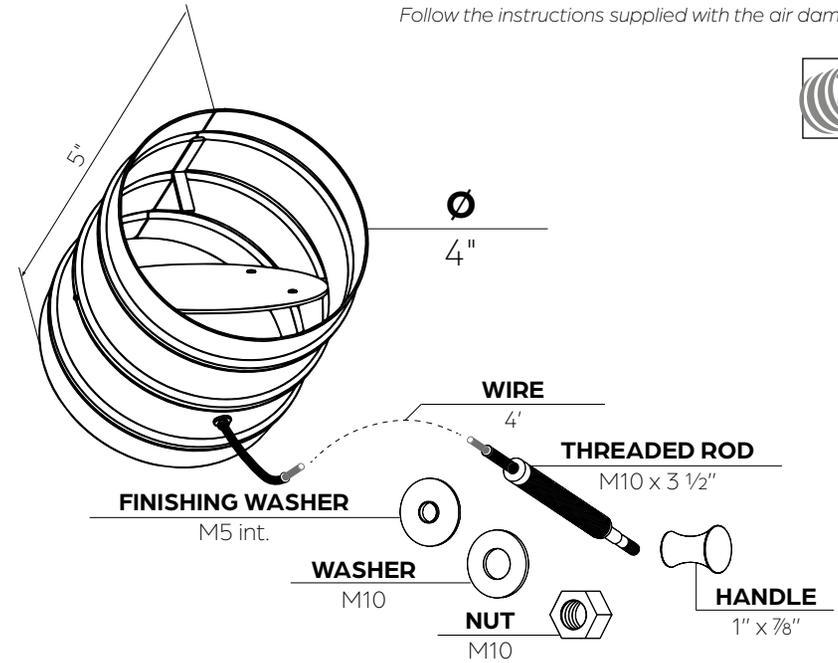
Installation p.23, 27 and 28



AIR DAMPER

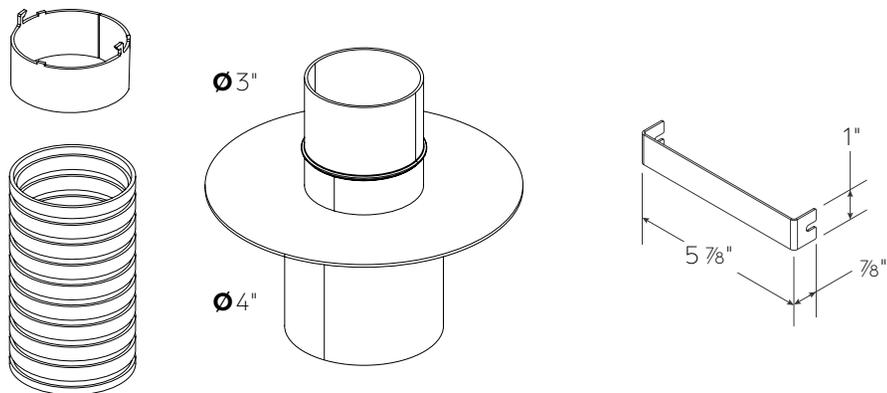
Pour l'entrée d'air extérieur

Follow the instructions supplied with the air damper.



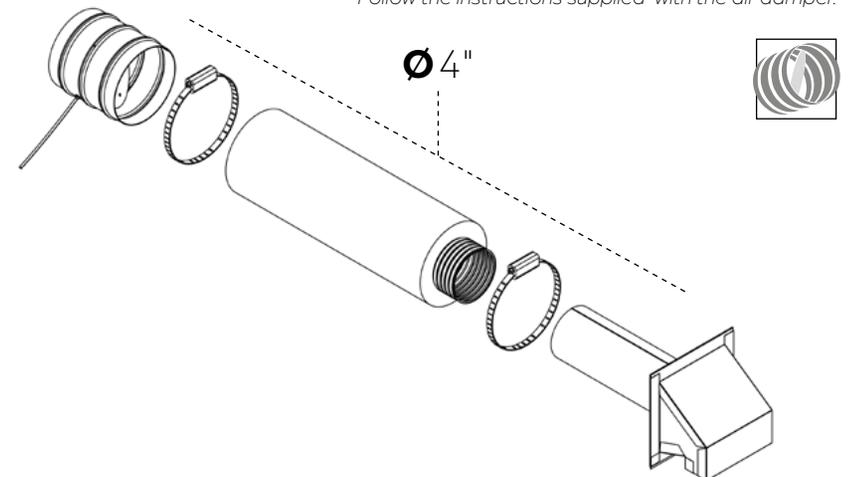
OUTSIDE AIR INTAKE CONNECTORS

Installation p.23 and 30



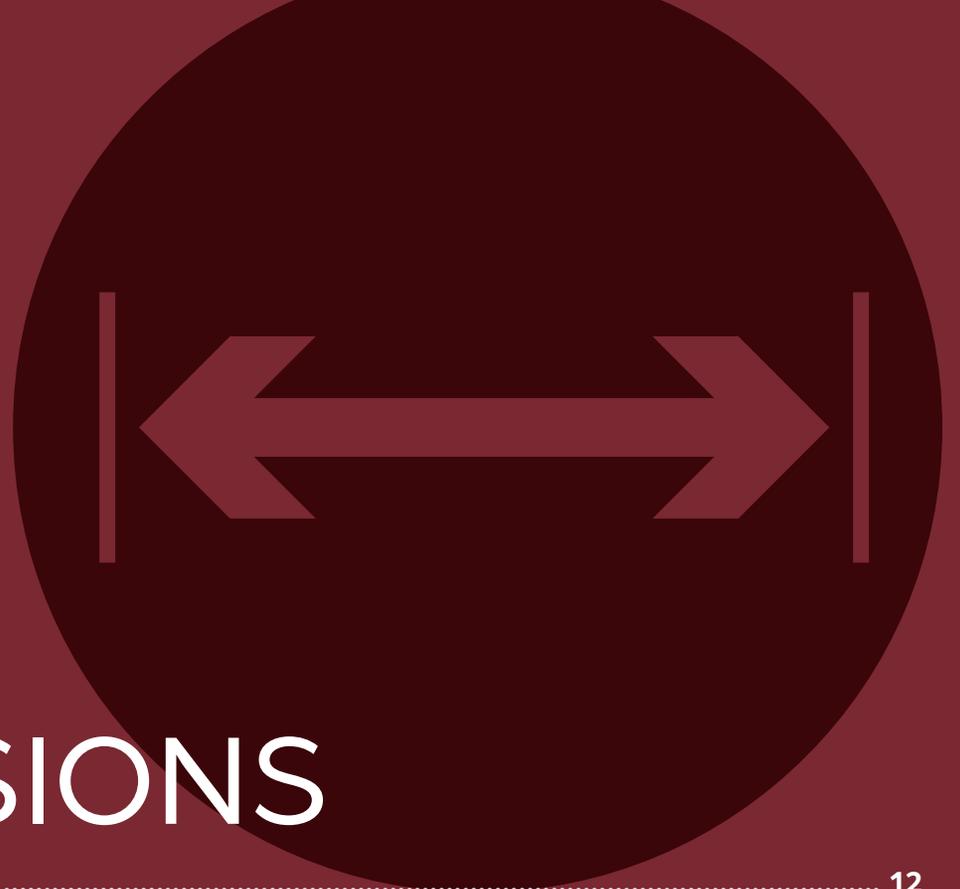
OUTSIDE AIR KIT

Follow the instructions supplied with the air damper.



3

DIMENSIONS



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3.3	RISK AREA	16
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3.5	COMBUSTION AIR	17

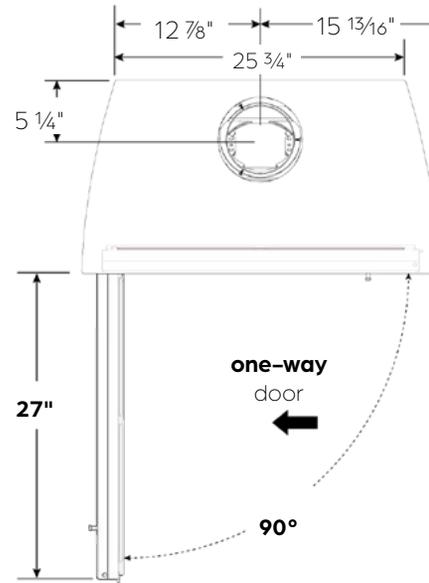
3.1 OVERALL DIMENSIONS



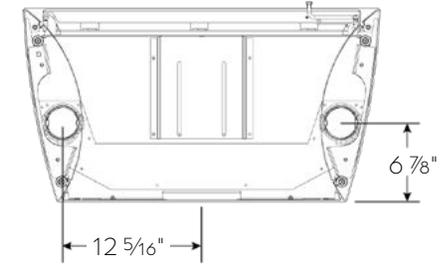
! ATTENTION

This shows an installation with the air intake located beneath the unit and the flue outlet above it. These measurements are those of the unit itself. See the next page to confirm the installation dimensions.

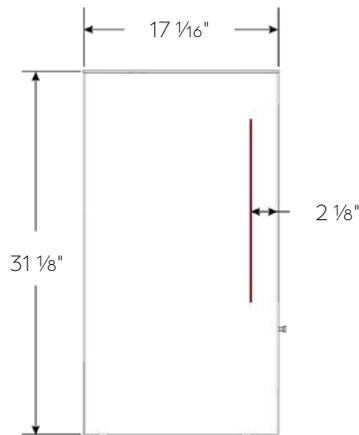
TOP VIEW



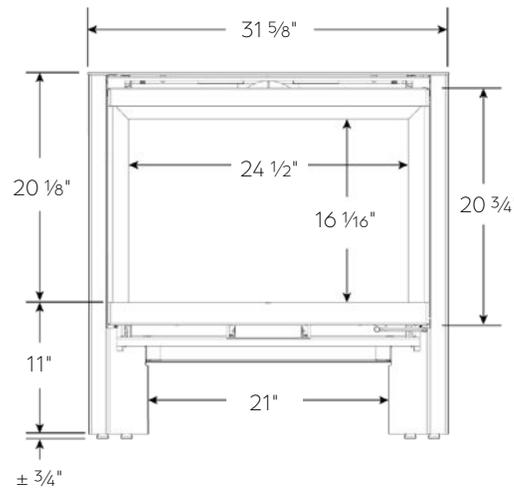
BOTTOM VIEW



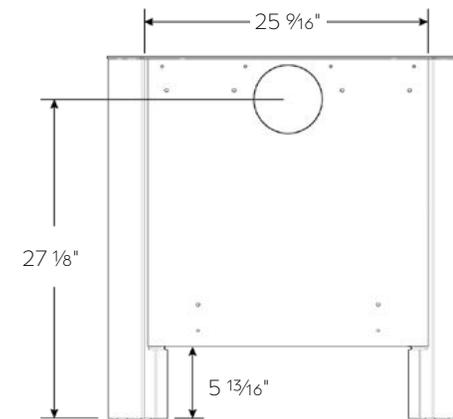
SIDE VIEW



FRONT VIEW



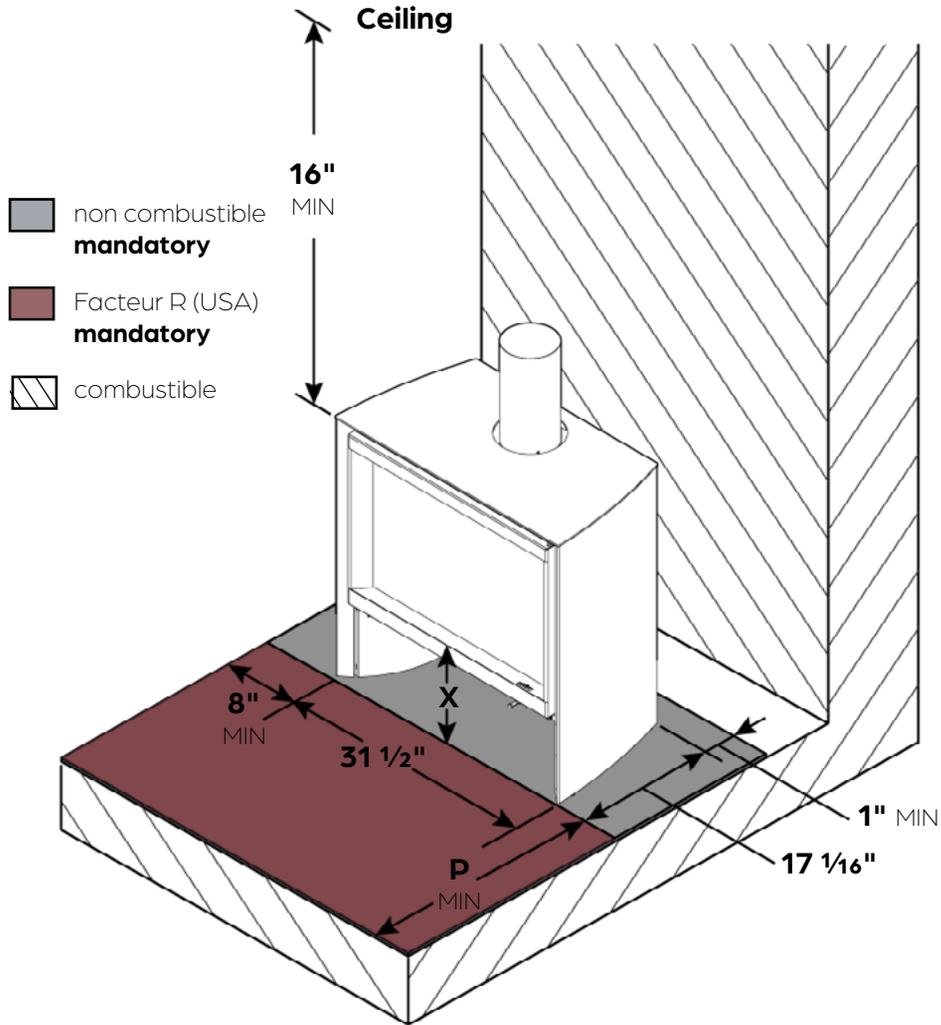
BACK VIEW



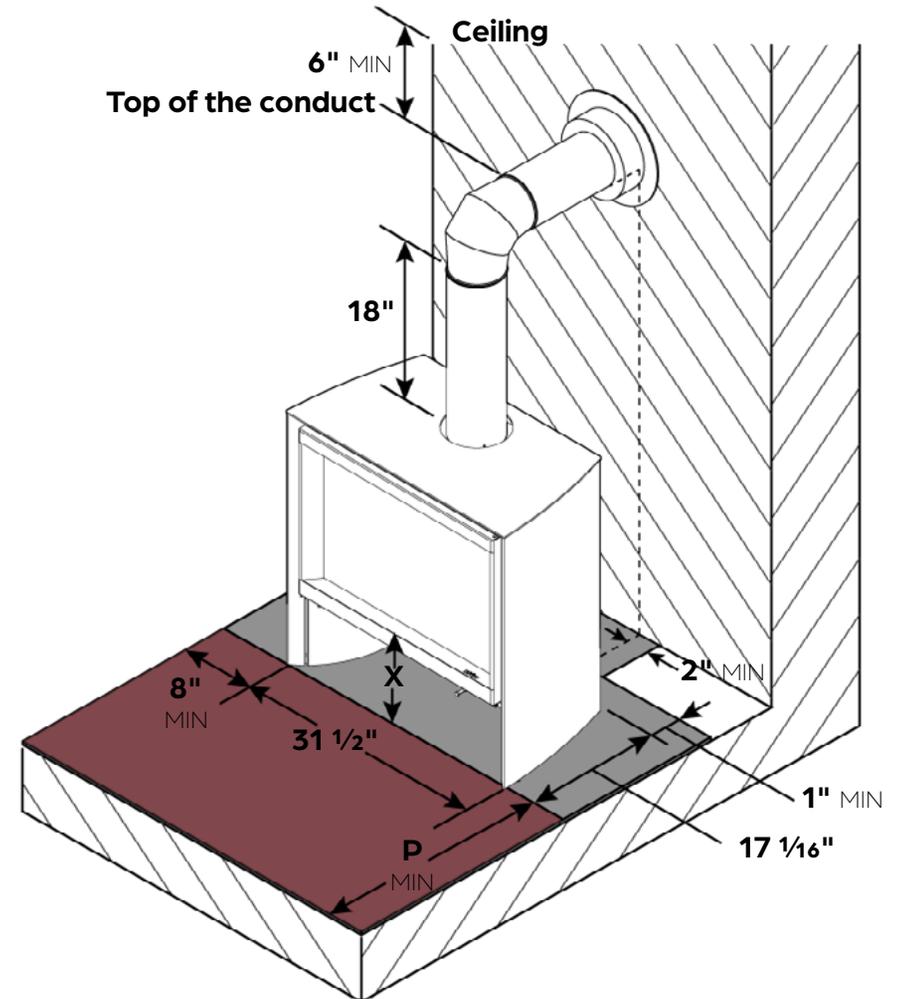
3.2 MINIMUM CLEARANCES



SMOKE OUTLET - VERTICAL



SMOKE OUTLET - VERTICAL THROUGH WALL



NOTE

These images illustrate standard installations with a vertical chimney. See the following page to confirm the details specific to each country. Verify the regulations in your area in addition to these clearances.

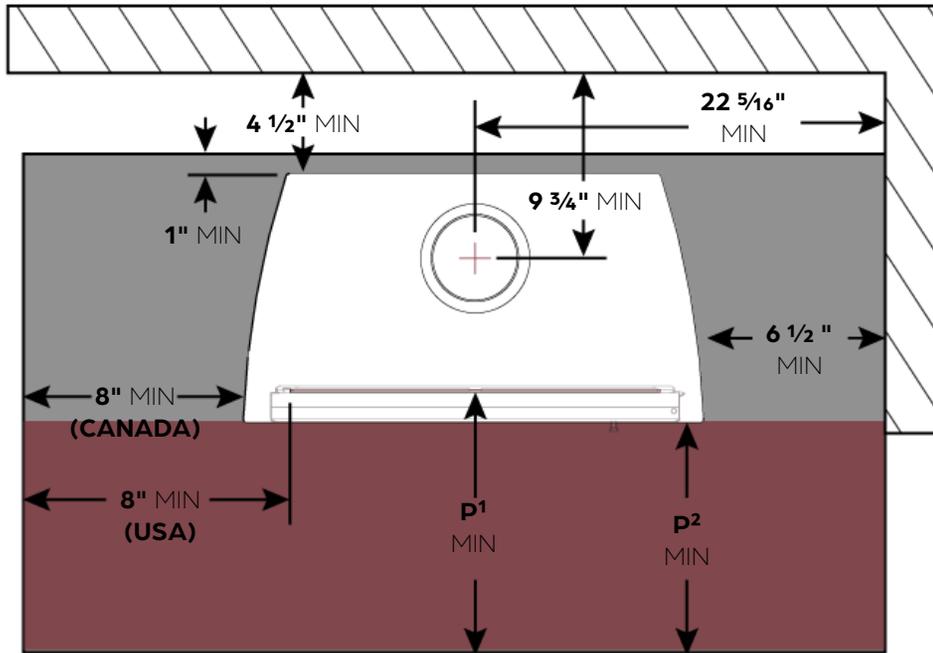
3.2 MINIMUM CLEARANCES



TOP VIEW (NOT FOR ALCOVE)

This applies to an installation with a vertical smoke outlet and a vertical smoke outlet through the wall

For alcove clearances, see the following page.



EMBER PROTECTION IN CANADA

This stove meets the requirements of **CAN/ULC-S627** and is suitable for installation on a combustible floor and do not require radiant floor protection. The 18" (450 mm) **non combustible ember protection required on any side with a door shall extend for the full width of the appliance** plus the 8" (200 mm) required on **each side of the appliance** without a door.

In Canada, to comply with CSA B365, Installation Code for Solid-Fuel-Burning Appliances and Equipment, any combustible covering beneath the appliance and/or within the area extending horizontally at least 18" (450 mm) beyond the appliance on any side equipped with a door, and at least 8" (200 mm) beyond the appliance on other sides, shall be protected by a continuous, durable, non-combustible pad that will provide ember protection.

Where an appliance is installed less than 8" (200 mm) from a wall, the ember pad need only extend to the base of the wall. An ember pad shall not be placed on top of a carpet unless the pad is structurally supported to prevent displacement and distortion.

EMBER PROTECTION IN UNITED STATES

In United States, it is required to install a floor protection under the product, 16" (406 mm) beyond the front and 8" (203 mm) beyond each side of the fuel loading and ash removal opening(s); and under the chimney connector and 2" beyond each sides.

For a unit installed in the United States, a material meeting the R-value requirement is mandatory for floor protection if the distance between the glass and the floor is less than 17" (432mm).

Example for R-value :

USG Micore SB 1/2" (1.17R) + Durock Next Gen 1/2" (0.39R)

+ Finition non combustible = Required **R-value**

COUNTRY	X	R-VALUE	P ¹ MIN	P ² MIN
Canada	n/a	0	18"	16"
United States	11" à 17"	1.5	16"	14"
	17"	0	16"	14"



STRUCTURE'S LOAD-BEARING CAPACITY

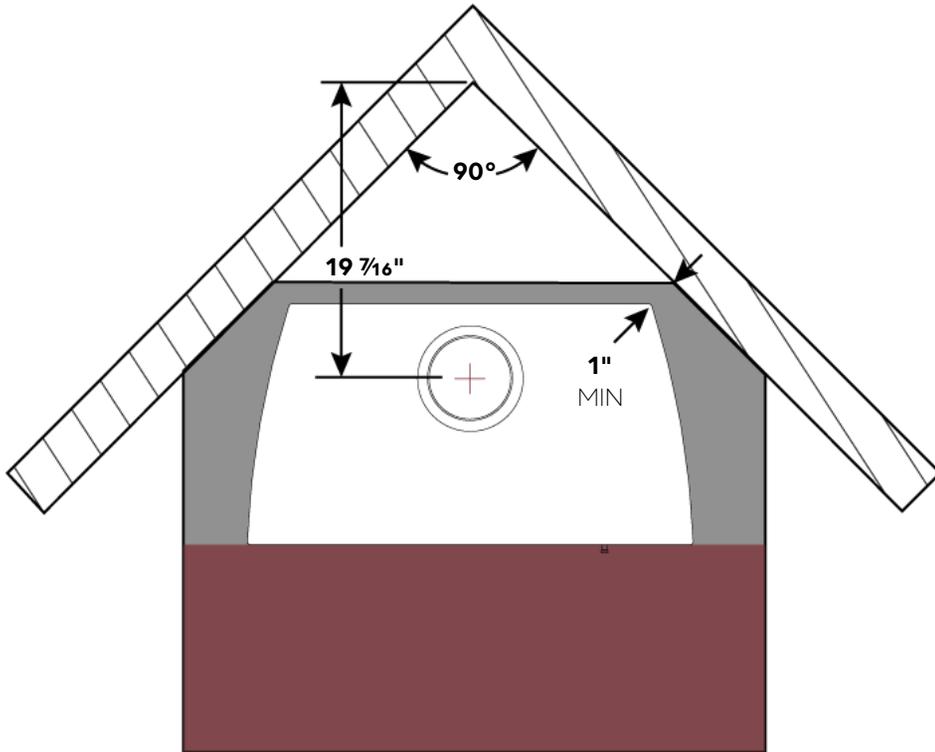
It is vital to ensure that the structure and the floor supporting the stove are strong enough to hold the weight of the appliance and the weight of the chimney. See the technical specifications (page 6) for the weight of the appliances.

If in doubt, **consult a specialist.**

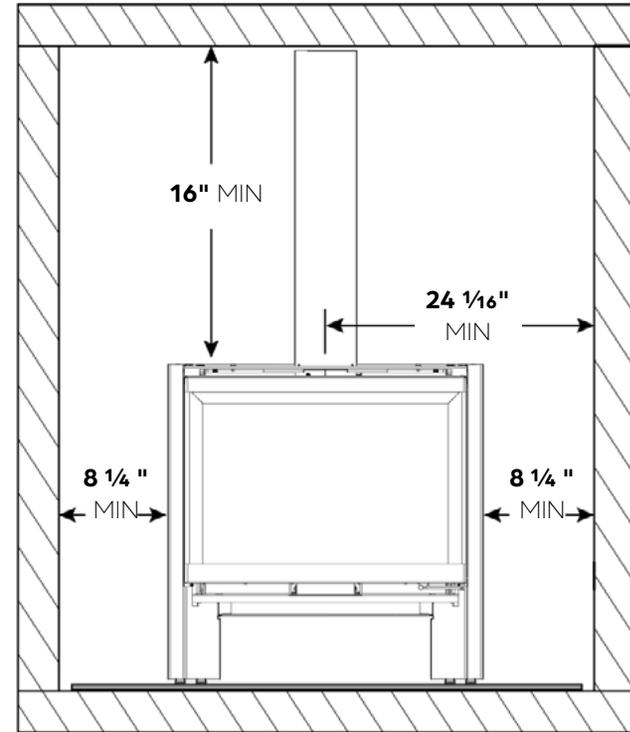
3.2 MINIMUM CLEARANCES



TOP VIEW (CORNER)



ALCOVE

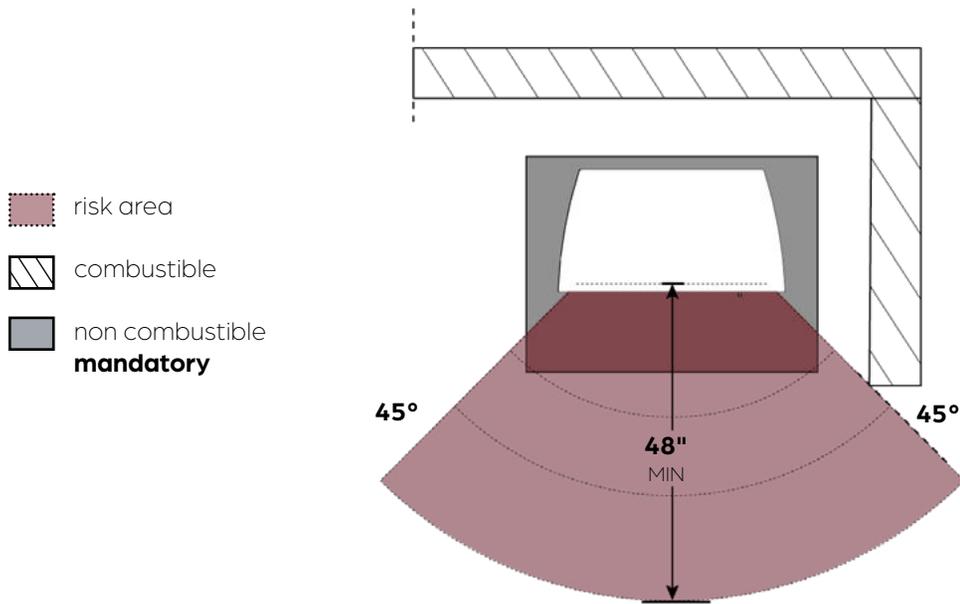
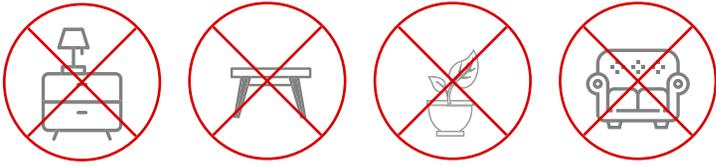


When the stove is installed in an alcove, the minimum side clearances are increased to allow ventilation.

As indicated on the previous page, a minimum clearance of 4 1/2" is mandatory behind the stove.

3.3 RISK AREA

The heat radiating from the glass is significant. Any combustible objects must be placed at least 48" by 90° from the glass face to prevent all risk of fire.



! CAUTION - FIRE HAZARD

To avoid major damage, no combustible material should be placed in front of a hot air outlet. In addition, blocking it may cause the unit to overheat and, in some cases, lead to a fire.

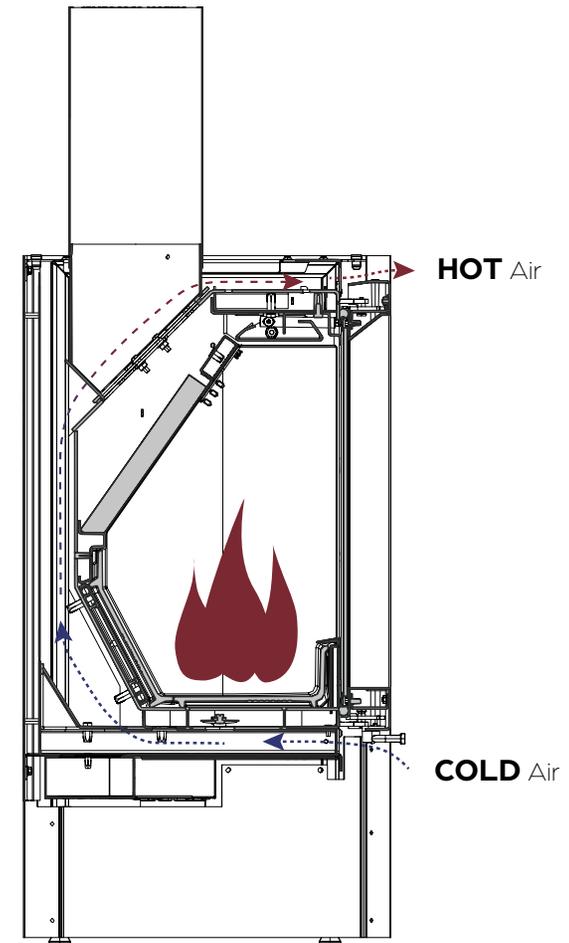
Be sure to follow the above recommendations to **avoid heat traps** and other major damage risks.

3.4 CONVECTION AIR



The s6-H unit is equipped with an integrated convection air circuit. Fresh air enters into the convection mantel through the inlets under the door and via the bimetallic system, and is heated as it circulates around the combustion chamber.

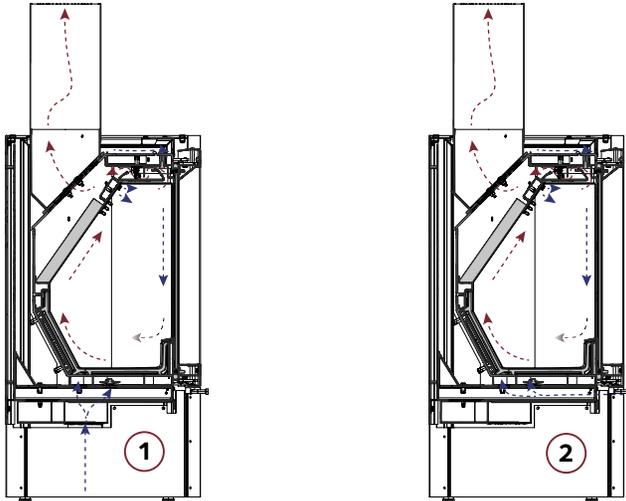
Natural convection: after being heated in the convection circuit, the air escapes through the hollow joint above the unit's door. A light air flow is naturally created.





NOTE

The stove needs air for combustion. The s6-H unit is designed to be connected directly to an outside air intake (independent of the house's air). We recommend this placement.



OUTSIDE AIR INTAKE (recommended)

Option 1 Vertically, under the stove, connected via a flange and a $\text{Ø}4$ " flexible duct.

AMBIENT AIR INTAKE

Option 2 If it is not possible to connect the stove to the outside air, the combustion air will be taken directly from the room. Make sure that the air exchange in the room is always sufficient when the stove is in use.

If your installation is connected to the outside air, The combustion air supply assembly shall:

- provide all combustion air directly from outdoors;
- have a minimum effective opening area of not less than 50 % of the flue area;
- must ideally be equipped with an air damper to avoid cooling the room when the stove is not in use; and
- must be as short as possible to avoid load losses and to keep from cooling the house.

The air intake(s) at the exterior of the structure shall:

Include dampers that:

- allow 100 % closure; and
- are provided with an indicator showing the approximate position of the damper.



Be designed to:

- prevent material from dropping into any area beneath the structure;
- prevent rodents from entering from the outside;
- permit zero clearance to combustible construction; and
- weather hoods shall not permit line of sight access to the intake opening



NOTE

Beware of active air extraction systems (range hood, air conditioning, controlled mechanical ventilation, another stove, etc.) in the same space or in an adjacent room. They too consume a large amount of air, which could create negative pressure in the room and hamper the stove's operation.

- Watch for the risk of condensation.
- Watch for water infiltration and wind impacts, which can damage the system.
- Take care not to crush the duct.

Check that the chosen configuration is compatible with local and national regulations. An adequate ventilation is essential for good operation.

If the stove is not directly connected to an outside air intake:

It is possible to install an air intake of at least $\text{Ø} 2 \frac{1}{2}$. It must open near the stove, from a ventilated space, a ventilated room (basement) or from outside.



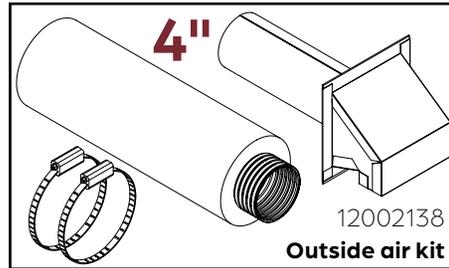
COMBUSTION AIR (OPTIONS)

Option 1: Connected to the outside air with a kit

Although **recommended**, this setup is mandatory in some places.

Whether it is connected to the stove or not, the duct leading to the outside air must:

- be protected outdoors by a grille whose clear passage section is at least 4" in diameter. Beware of water infiltration, snow accumulation and wind impacts, which can damage the system or hinder its operation
- not be crushed
- ideally be equipped with an air damper (optional)
- be at least 8' long, ideally insulated, and form a loop in the wall to prevent condensation **(in places with winter temperatures)**.



If our standard ϕ 4' flexible duct is used, we recommend a maximum length of 12' with no more than 4 bends (see table to the right). If these recommendations are exceeded, it will be necessary to compensate with a larger diameter and/or a smoother duct.

Duct length	Max. number of 90° bends authorized
0 to 8'	4 bends
8' to 10'	2 bends
12' and +	1 bend

Option 2: Connected to the inside air, in another location near the stove.

This air inlet must have a sufficient air intake (minimum ϕ 4"), from a crawl space, ventilated room (basement) or another room in which the air exchange will always be sufficient.

The criteria for the length of the duct and the bends are the same as for the option 1.

Option 3: Without a connector, air taken from the same room as the stove

This option is not recommended for an airtight house.

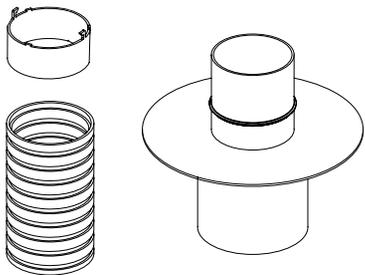
If it is not possible to connect the stove to the outside air, it is important to ensure that the air exchange in the room will always be sufficient when the stove is in operation.

AIR DAMPER (OPTIONAL)

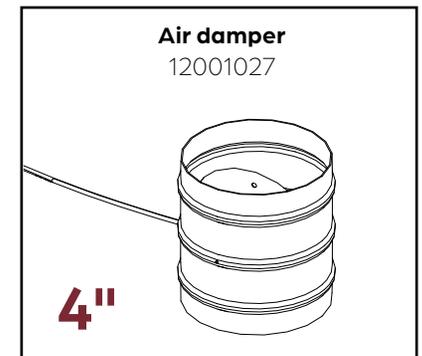
The air damper keeps the house from cooling down when the stove is not in use. It has a 100% open and a 100% closed position, which cannot affect combustion. It is recommended when installing in a highly energy-efficient house.

It should ideally be placed as close to the outer wall as possible. Validate that the air damper dimensions meet the installation's needs. The damper's control cable is 48" long and the damper is ϕ 4" in diameter.

CONNECTORS



For more information, see the **Air Damper Installation Manual** (93109290).



4

INSTALLATION



4.1	UNPACKING AND MOVING	20
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4.3	DISASSEMBLY OF THE CLADDING	22
4.4	POSITIONING AND OPTIONS	24
4.5	REASSEMBLY AND CHIMNEY	25
4.6	DOOR ADJUSTMENT	28
4.7	SUMMARY	29



IMPORTANT

The paint is not oven-baked and is therefore relatively fragile, but will harden after being heated a few times. Handle with care.

Step 1 Move the stove near its final location using a pallet truck.

Step 2 Remove the top of the transport pallet with a crowbar. Remove each side, leaving only the base.

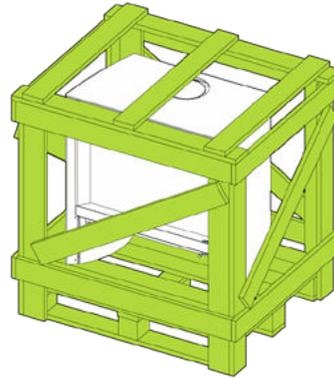
Step 3 Remove the upper shelf and place it in a safe area.

Step 4 Open the door using the small handle at the bottom right.

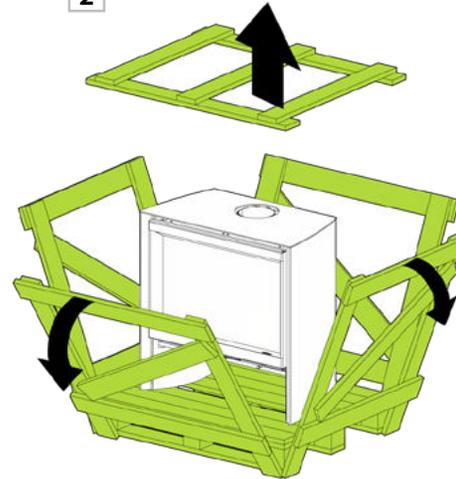
Step 5 Remove the door by releasing the hinges from their support.

Step 6 Place the door at a safe place.

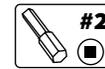
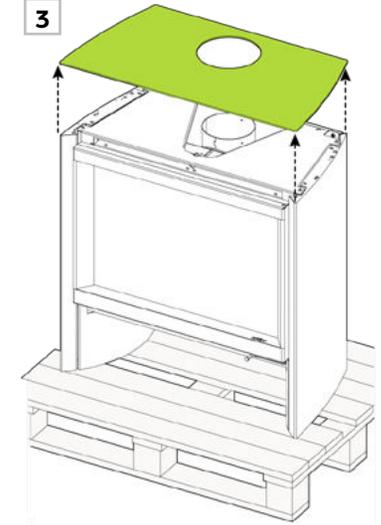
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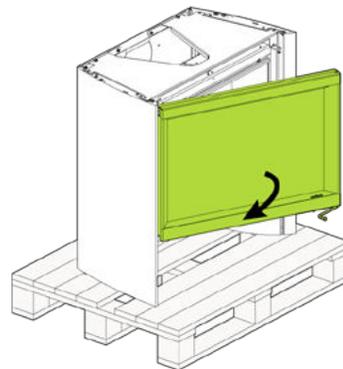
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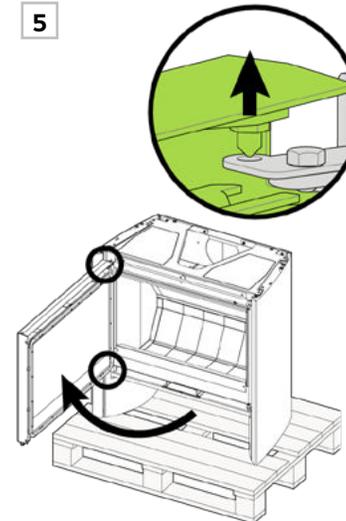
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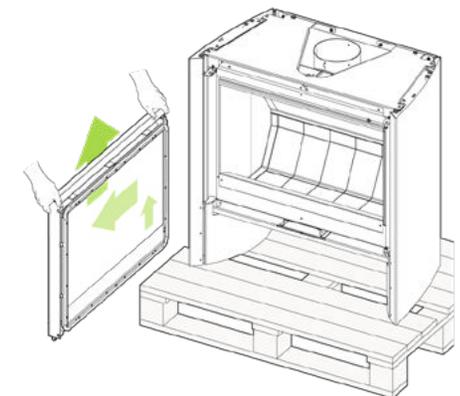
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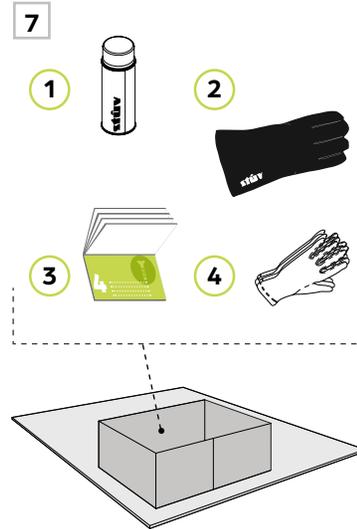


4.2 DISASSEMBLY



Step 7 Remove the parts & accessories box from the combustion chamber and check its contents. It should contain:

1. **1x** spray paint for touch-ups
2. **1x** Stûv glove (to be given to the end user)
3. **1x** installation manual
4. **2x** pair of white gloves for handling the stove



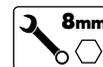
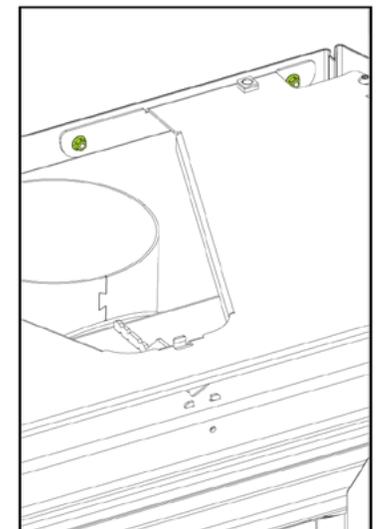
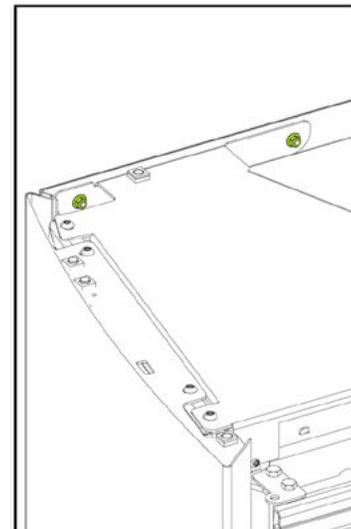
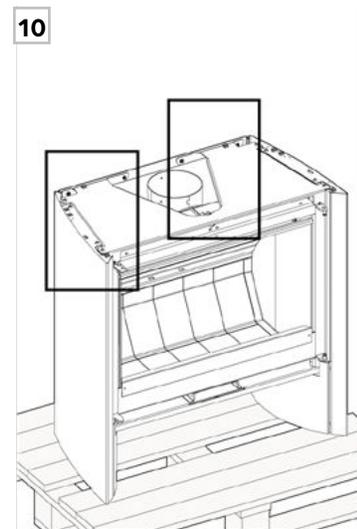
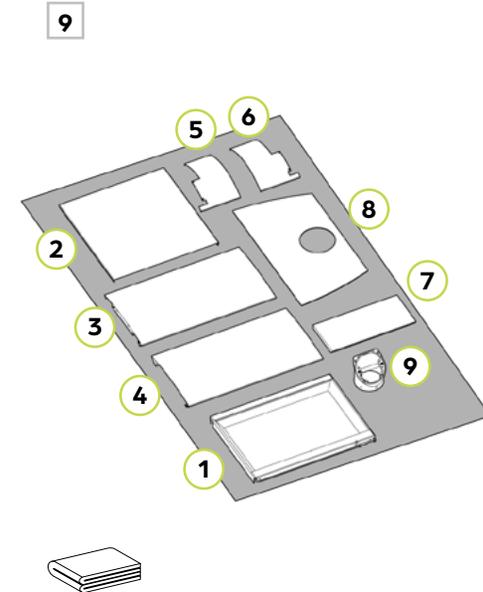
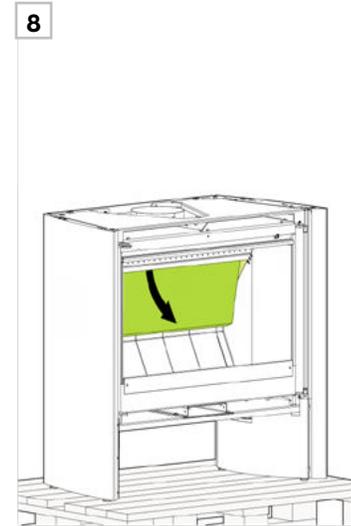
Step 8 Push aside the two side vermiculites and remove the one from the middle.

Step 9 Prepare a protected 4' x 8' area on which to place the door and cladding. The next steps will explain how to remove these parts.

1. **1x** door
2. **1x** back cladding
3. **1x** left outer cladding
4. **1x** right outer cladding
5. **1x** left inner cladding
6. **1x** right inner cladding
7. **1x** middle vermiculite
8. **1x** upper shelf
9. **1x** smoke outlet

The next steps will explain how to disassemble the cladding to make it easier to move and position the appliance.

Step 10 Use an open-ended wrench to fully unscrew the four nuts at the top of the rear cladding. **Set these aside for later.**

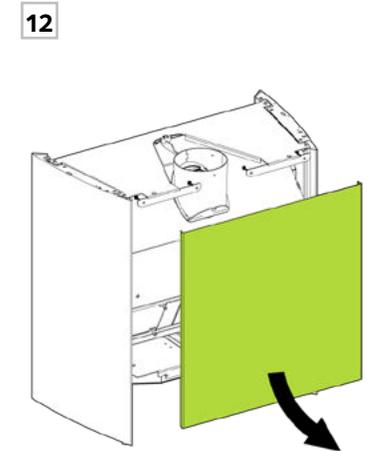
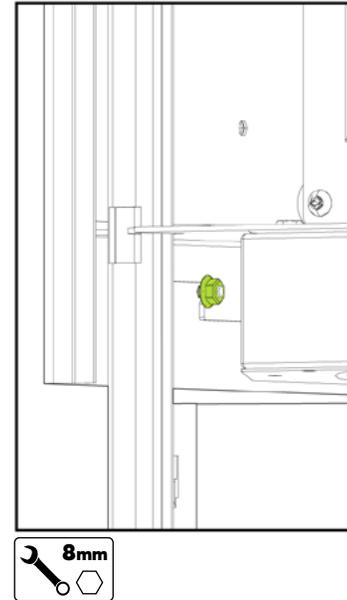
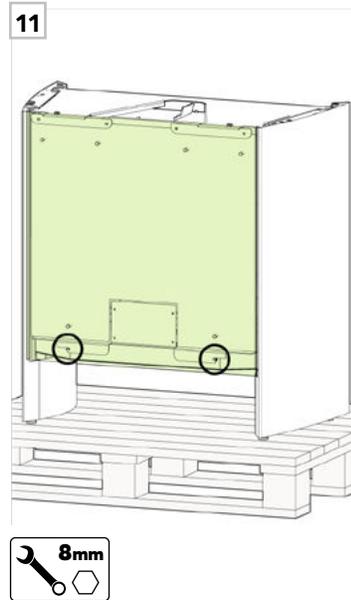


4.3 DISASSEMBLY OF THE CLADDING



Step 11 Unscrew the two lower nuts from underneath.

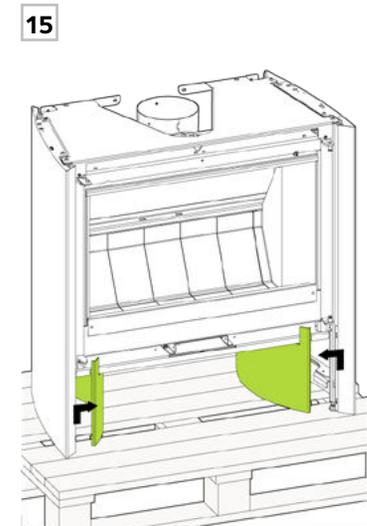
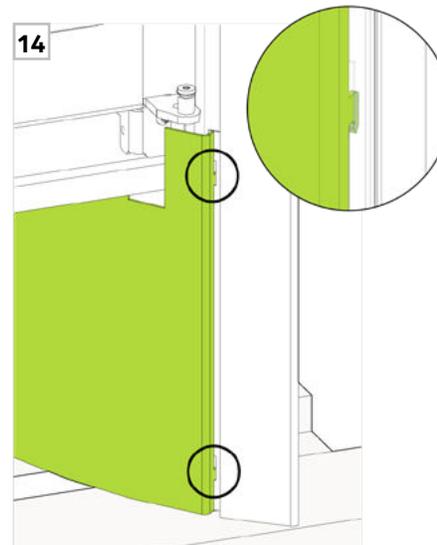
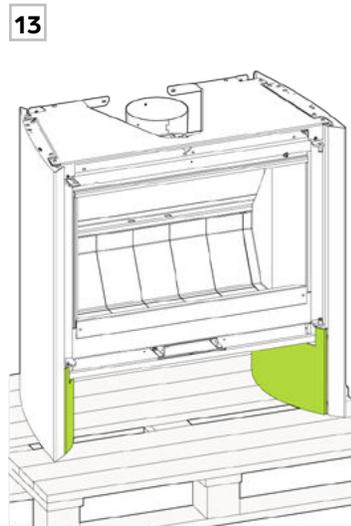
Step 12 Remove the back completely by rotating and moving it downward. Put in a safe place to protect the paint.



Step 13 The inner cladding is held in place by hooks at the front and back.

Step 14 Lift slightly to unhook each piece from the notch.

Step 15 Slide up, then turn to disassemble.

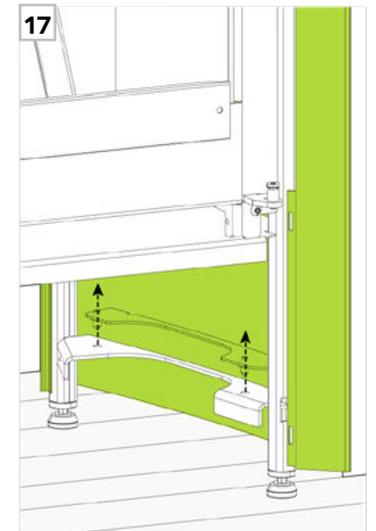
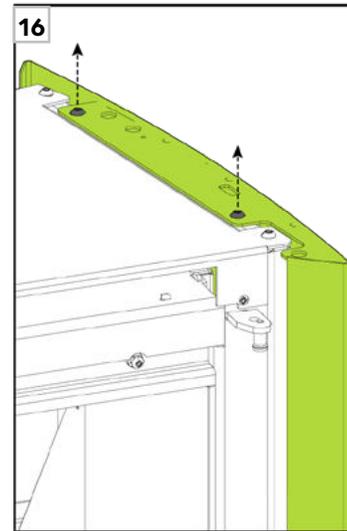
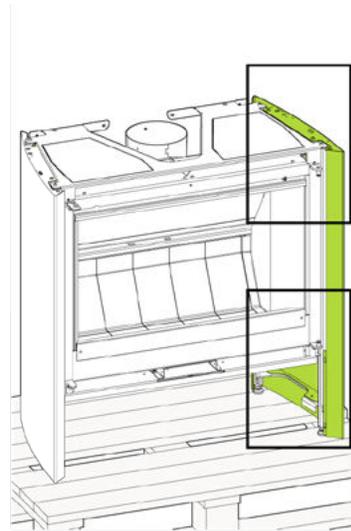


4.3 DISASSEMBLY OF THE CLADDING



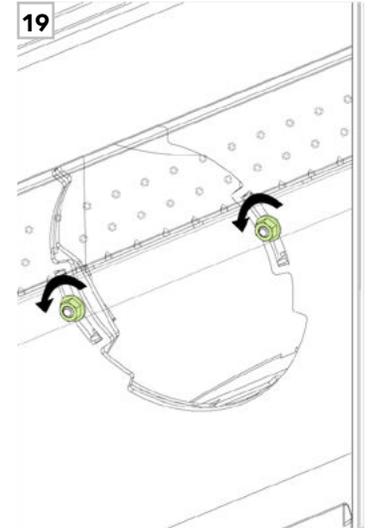
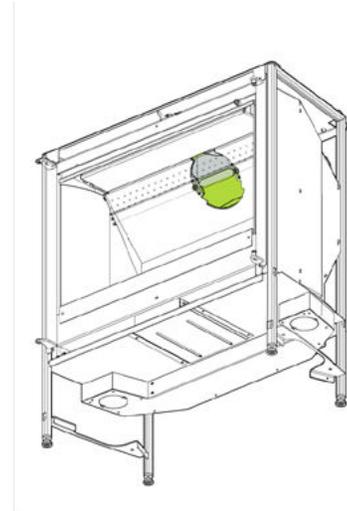
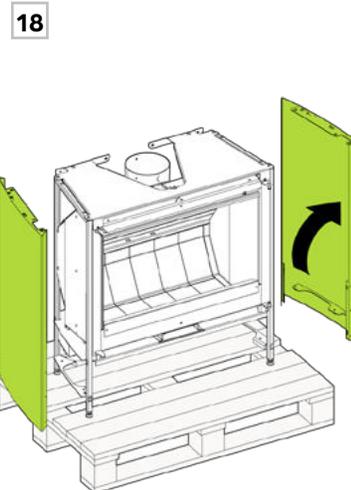
Step 16 Completely unscrew the two screws at the top of each lateral piece of cladding. Set these aside for later.

Step 17 Lift each piece of cladding to disassemble the lower central pins.



Step 18 Repeat previous steps for the second piece of cladding.

Step 19 Unscrew the nuts inside the combustion chamber and remove the smoke outlet to follow for the next steps.



4.4 POSITIONING AND OPTIONS



Step 20 Unscrew the anchor that maintain the unit to the pallet.



AIR INLET CONNECTOR

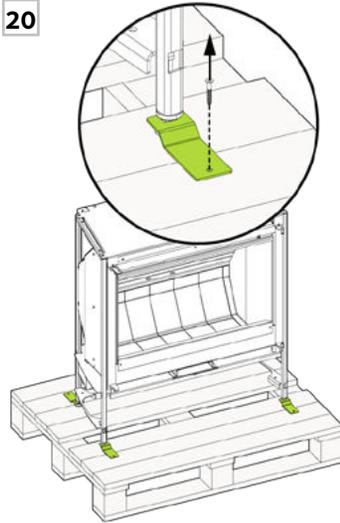
Step 21 If applicable, connect the appliance to the air intake, referring to the additional manual.



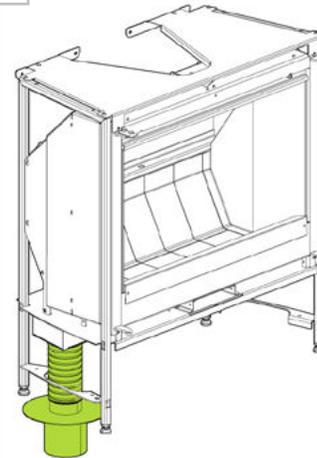
FLOOR PLATES

Step 22 If applicable, install the base plate, referring to its instruction manual.

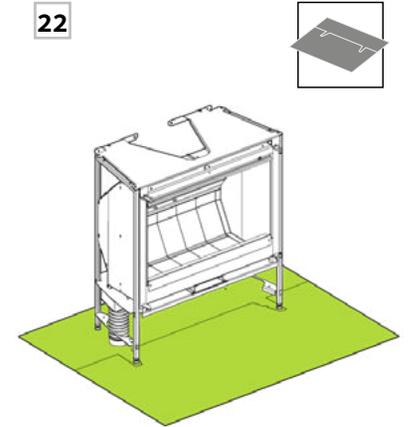
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21



22



Step 23 Manually move the appliance to the desired location.

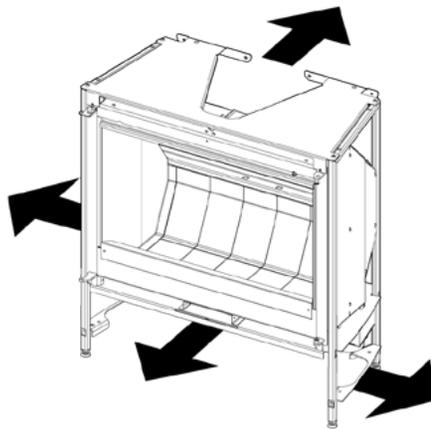
Step 24 Use a level to level the unit and an open-ended wrench to turn the levelling feet.



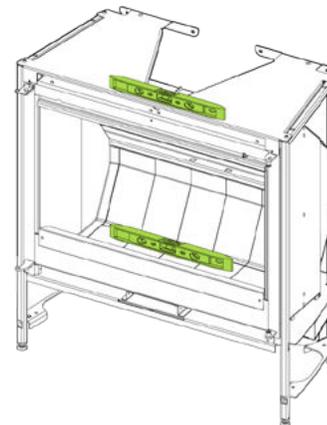
TRANSPORTABLE BUILDING (CANADA ONLY)

Step 25 For a transportable building installation, use the bracket removed when unpacking to anchor the stove. Push the brackets toward the front and back to solidify, then screw.

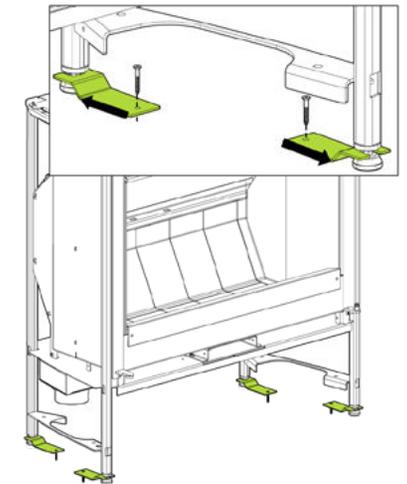
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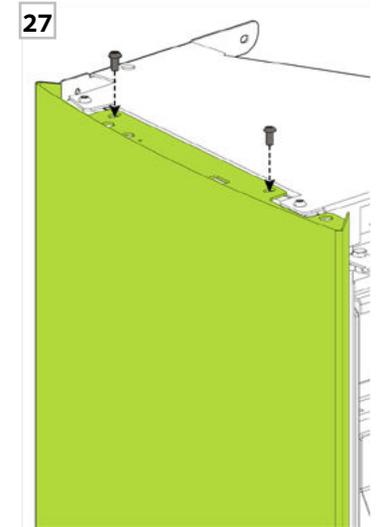
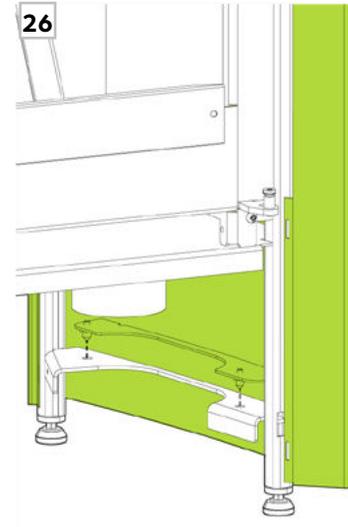
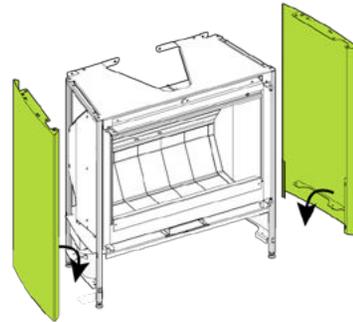
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Step 26 Replace the cladding, starting with the bottom anchors.

Step 27 Screw in the two pieces of cladding from the top.

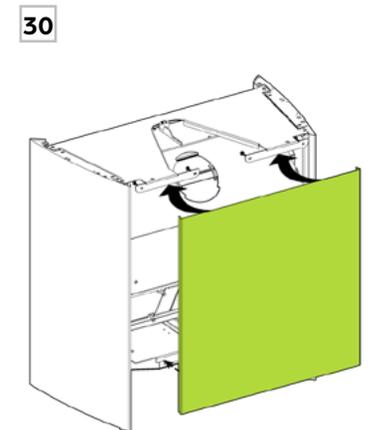
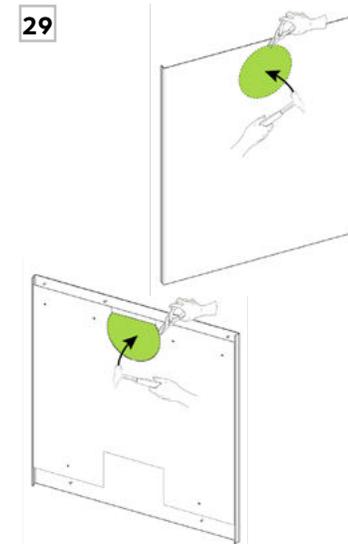
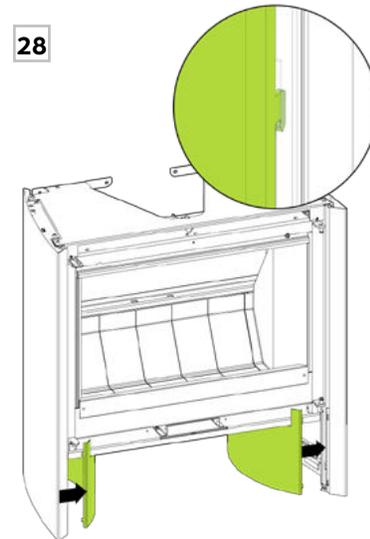


Step 28 Reinstall the inner cladding on the hooks at the front and back.

! SMOKE OUTLET FROM BACK

Step 29 If the smoke outlet from back is chosen, prepare the two back panels. Follow the additional manual provided with the option.

Step 30 Realign the back using the top and bottom studs.





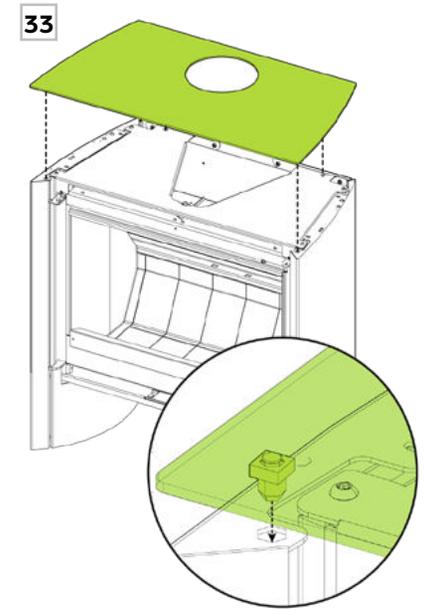
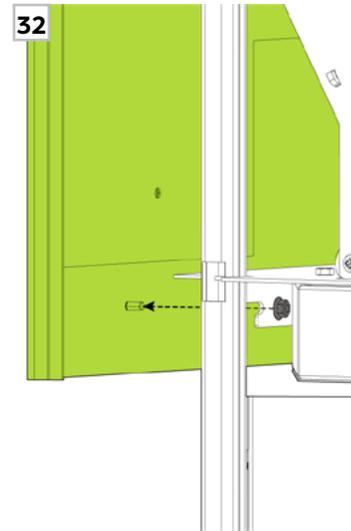
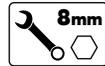
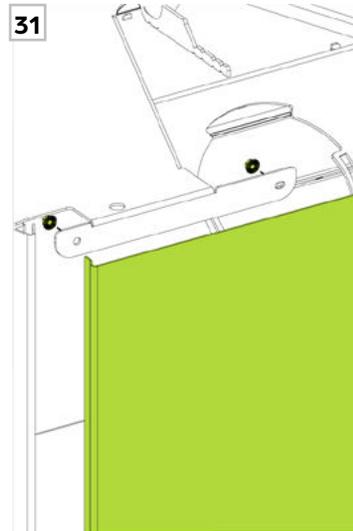
Step 31 Reinstall the nuts at the top.

Step 32 Reinstall the nuts at the bottom.

Step 33 Position the upper shelf using the central pins.

! SMOKE OUTLET FROM BACK

If the smoke outlet from back is chosen, position the upper shelf for rear smoke outlet (without the opening), provided with the option. Follow the additional manual.

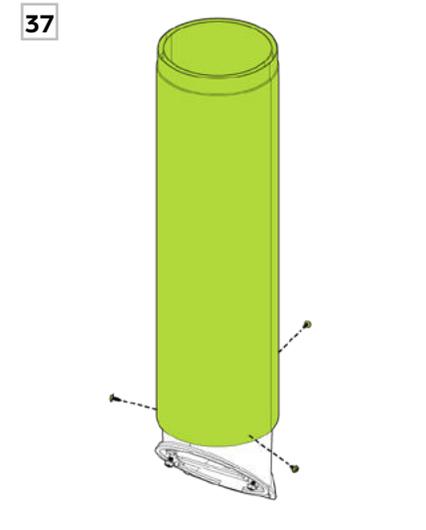
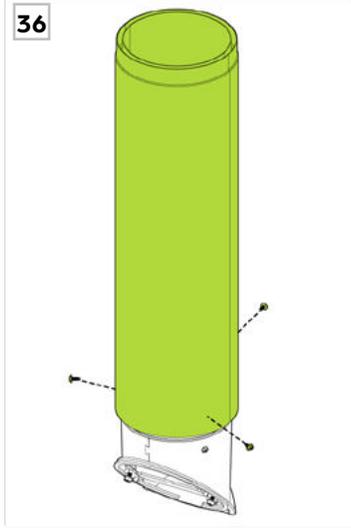
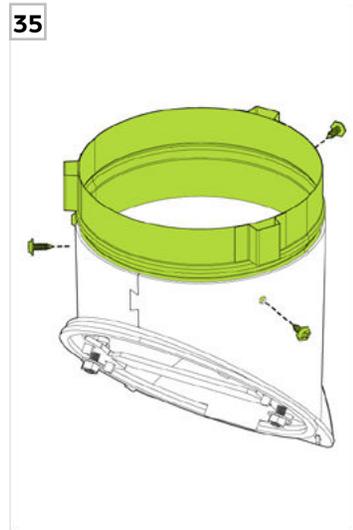


Prepare the smoke outlet to reinstall it on the stove. Two methods are possible to connect the smoke outlet: with and without an adaptor.

Step 35 Slide the adaptor in the smoke outlet and align the holes. Screw the two parts together to join them.

Step 36 Place the first chimney section on the adaptor and screw.

Step 37 **If the adaptor has not been chosen,** insert the screws in the first chimney section and align with the holes on the smoke outlet. Place those screws only to center the holes. Do not tighten too much, to not deform the chimney.



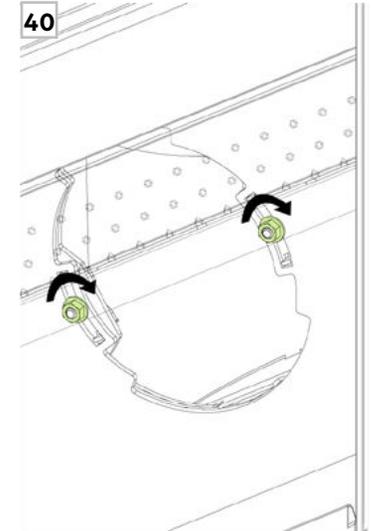
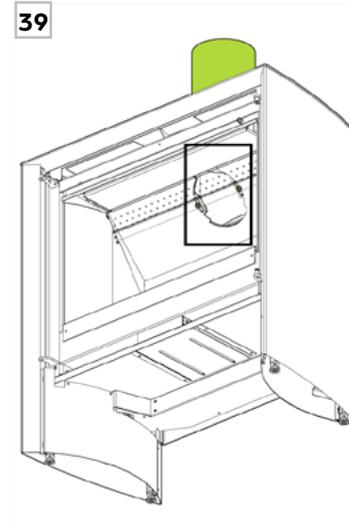
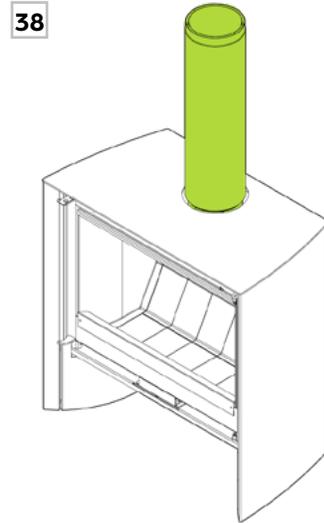
4.5 REASSEMBLY AND CHIMNEY



Step 38 For the vertical smoke outlet, insert the chimney assembly from the top of the unit.

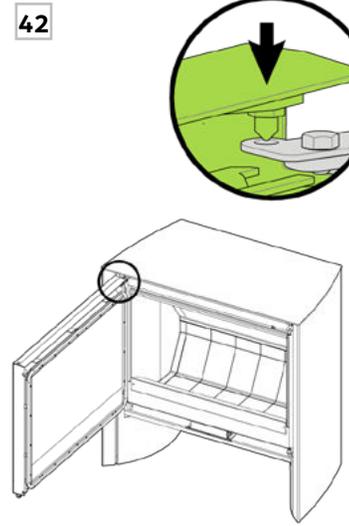
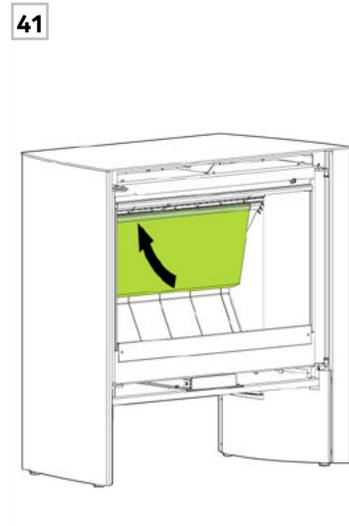
Step 39 Position the studs in the slots.

Step 40 Centre the tabs in the slots and affix the nuts on the studs of the smoke outlet.



Step 41 Put the middle vermiculite back and rebalance the three vermiculites.

Step 42 Put the door back on its hinges.



4.6 DOOR ADJUSTMENT



If the door is not leveled or if the grip is not airtight, it can be adjusted at the top of the rotation axis.

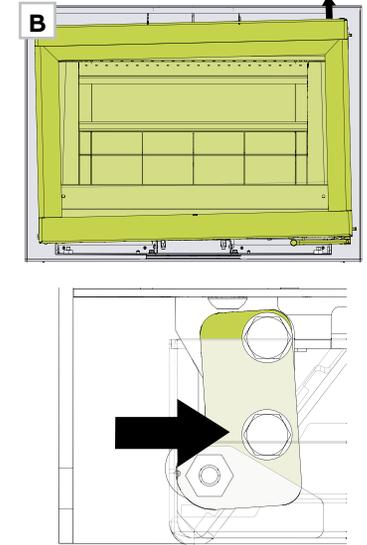
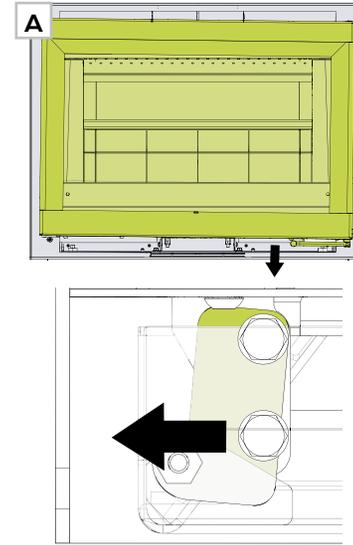
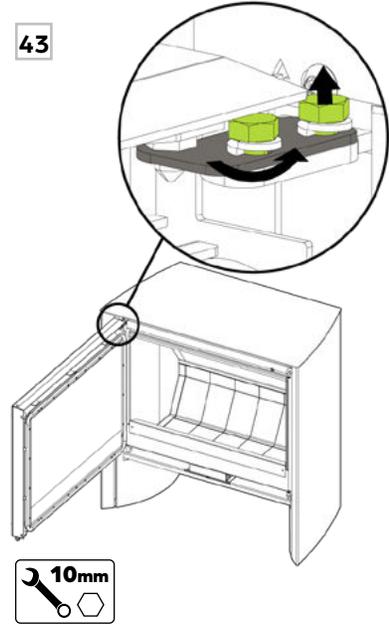
Step 43 Slightly loosen the 2 bolts with a 10mm wrench.

A If the side opposite the rotation axis is too low or if the grip is too tight, push the front of the rectangle to the left.

B If the side opposite the rotation axis is too high or if the grip is too loose, push the front of the rectangle to the right.

NOTE

It is recommended to adjust the door to position the hooks in the center of the copper cylinder.

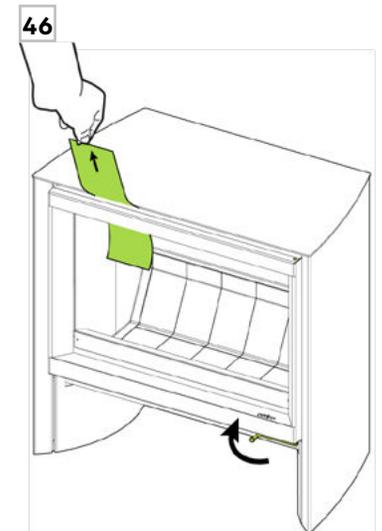
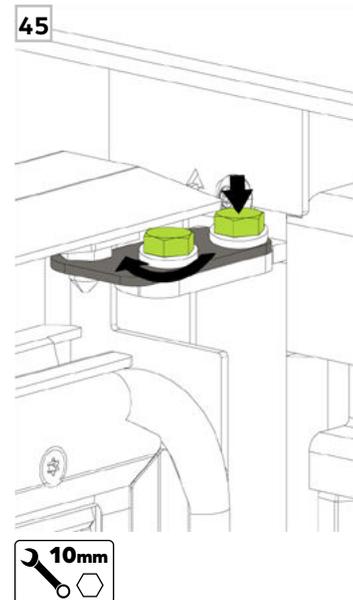
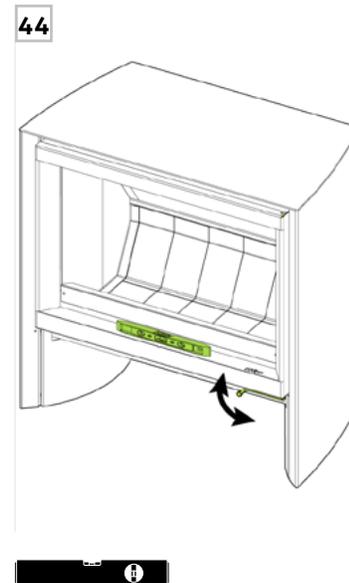


Step 44 Gradually adjust the door according to the instructions above. It may take several tries to get it perfectly level. Open and close it a few times to check the ease to open the door.

Step 45 When the door is level, tighten the bolts.

Step 46 Also check the door's airtightness, by placing a sheet of paper in the door and closing it. Try to pull the paper out all along the door frame. If the door is airtight, you will not be able to remove the paper.

If the paper moves or the door's grip is not perfect, redo the adjustment steps

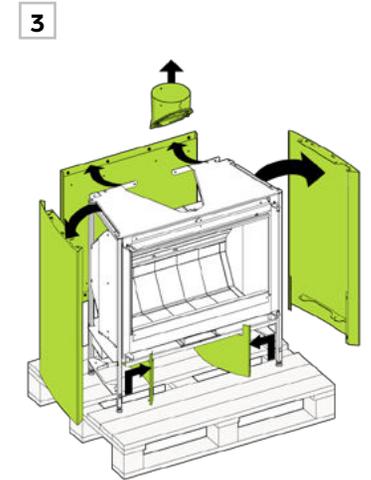
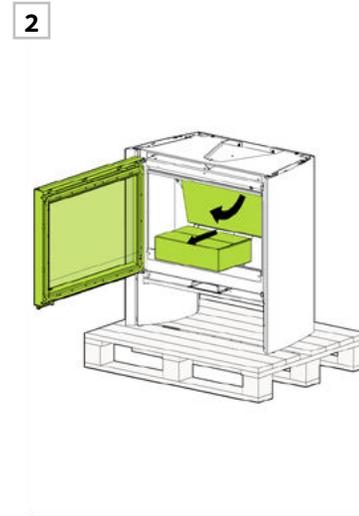
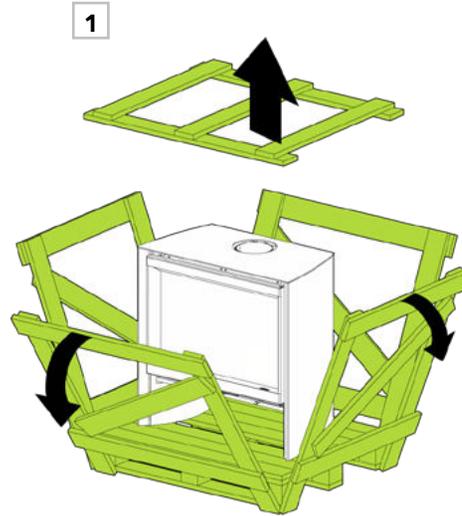




Step 1 Unpack the unit.

Step 2 Remove the door. Take out the accessories box and review its content. Remove the central vermiculite.

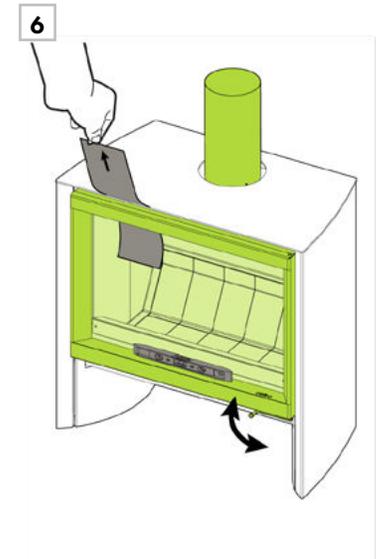
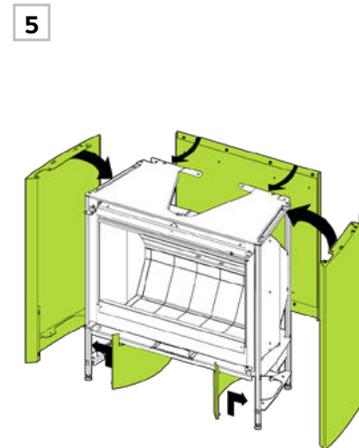
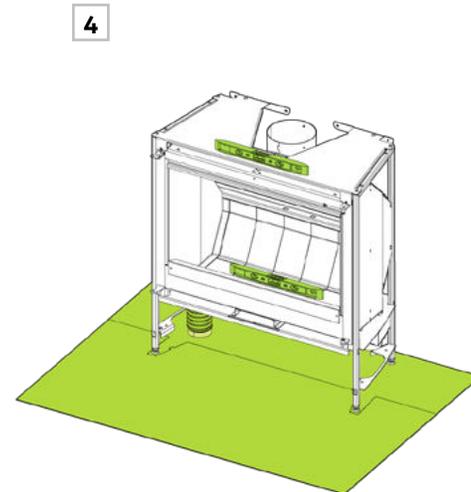
Step 3 Remove all parts of the cladding and the smoke outlet.



Step 4 Install the floor plate if necessary. Position and level the unit.

Step 5 Replace all claddings.

Step 6 Install the smoke outlet and the chimney connector and the vermiculite. Replace and level the door.



5

CHIMNEY

5.1	DIMENSIONS AND CERTIFICATION	31
5.2	TYPICAL INSTALLATION	32
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5.1 DIMENSIONS AND CERTIFICATION



CHIMNEY DIAMETER

Use a listed double-wall connector (black) with 6" of clearance. This connector will be attached to the unit's smoke outlet with three #10-1/2" self-drilling screws. All adjoining section shall be attached and secured by the same screws. The chimney connector is the pipe from the stove to the chimney.

This stove cannot be connected directly to a factory-built chimney. Use a chimney connector, then an adapter. **(See 5.2 Typical installation)**

If passing through a combustible wall, use only a 6" insulated pipe that complies with the **UL-103HT** or **ULC-S629** standard. The installation must comply with standard **CSA B365**, as well as all other installation standards applicable at that location.



CAUTION

- Carefully read the instruction manual provided with your chimney before installing.
- Do not use makeshift means during installation. This could pose a danger, compromise safety and result in a fire.
- Do not connect the appliance to a chimney that is already connected and used by another appliance. A chimney used as an outlet for a stove must not be used for more than one appliance.
- Do not install the chimney directly at the outlet of the appliance. A chimney connector (flue pipe) is required unless the appliance is specifically approved for that type of installation.
- Do not cut trusses, rafters or ceiling joints without consulting a building official to ensure that the building's structural integrity has not been compromised.
- If this unit is not installed properly, a fire may result. To reduce the risk of fire, follow the installation instructions.
- Contact the local authorities to obtain a building permit and take note of all applicable regulatory requirements.
- A chimney connector shall not pass through an attic or roof space, closet or similar concealed space, or a floor, or a ceiling.
- The chimney and the required chimney connector must be in good condition and kept clean.

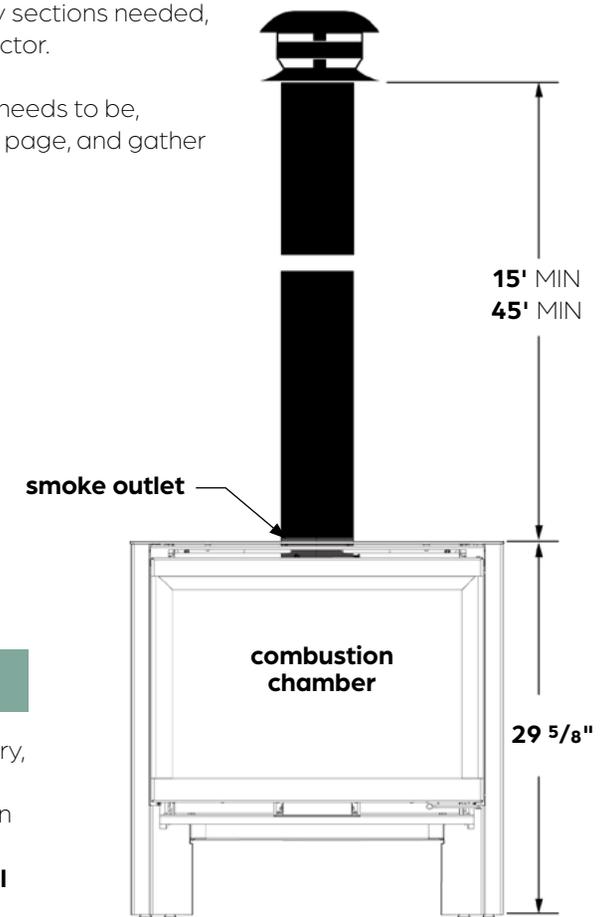
CHIMNEY LENGTH

It is recommended that the height of the chimney be between **minimum 15'** and **maximum 45'**, measured from the top of the unit to the bottom of the rain cap. This height impact the draft and the efficiency of the unit. If this height is impossible, contact Stûv America technical service.

Before connecting, make sure that the stove is in its final location and is level (see page 24 if needed).

Calculate the number of chimney sections needed, starting from the chimney connector.

Calculate how long the chimney needs to be, based on the information on this page, and gather all of the components needed.



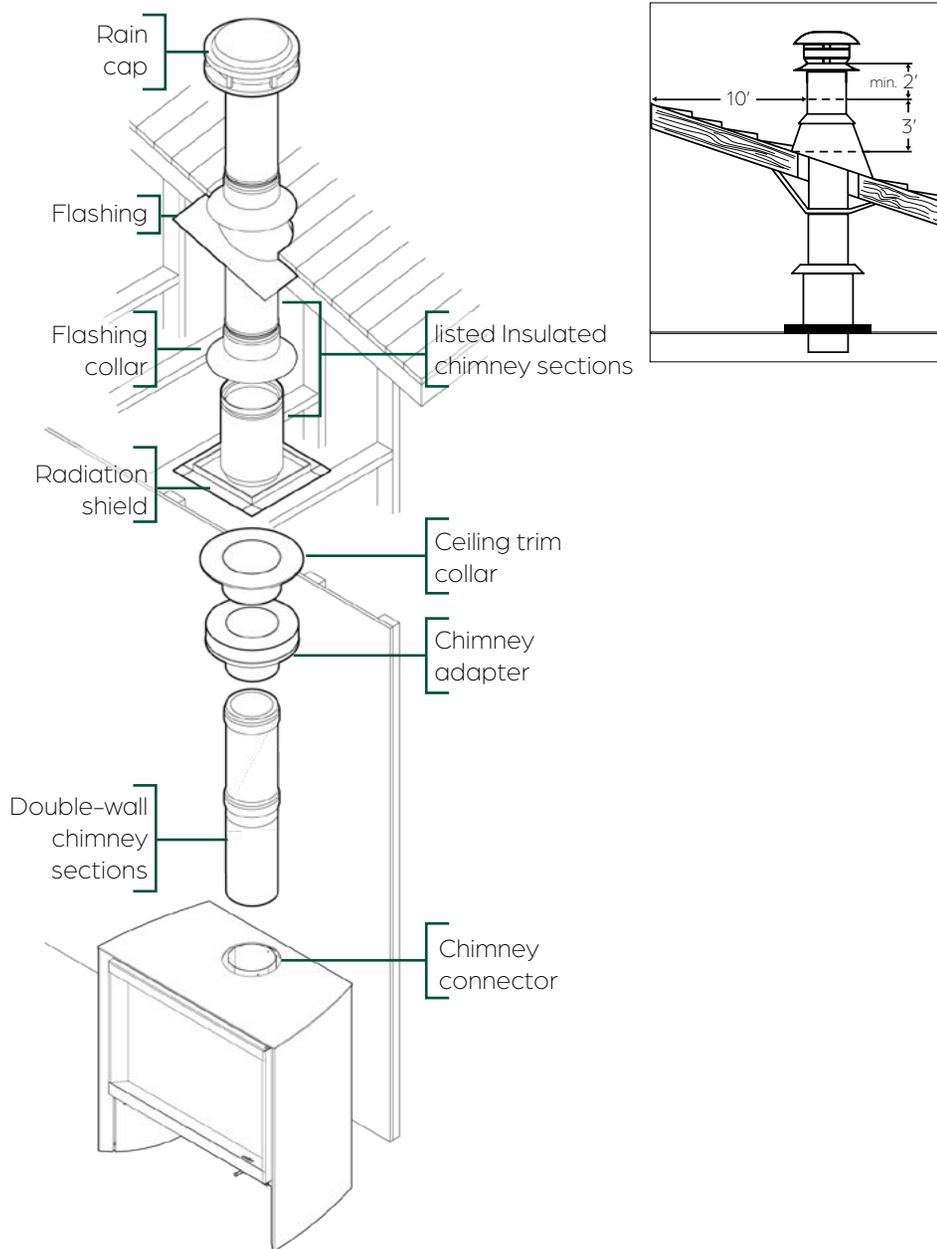
IMPORTANT

It is preferable, but not mandatory, to install a 3' straight chimney section between the unit and an offset.

In that case, **a straight vertical section** must be installed after the angled section.



INSTALLATION DIAGRAM



INSTALLATION PROCEDURE



CAUTION

Care must be taken during the chimney's installation. Shortcuts or compromises may result in safety hazards or even a fire.

Carefully read the installation manual provided with your chimney before installing. Some configurations may change the order of the steps.

Step 1 Once the stove is in place, install the double-wall chimney sections almost up to the ceiling.

Step 2 Create an opening between the ceiling(s), aligned with the chimney sections used. The cutout must be sufficiently large to fit the insulated chimney pipe.

Step 3 Install a chimney adapter and a ceiling trim collar to transition to the insulated chimney pipe.

Step 4 Install a radiation shield under each floor/ceiling the chimney crosses. In the attic space, install a radiation shield and a flashing collar.

Step 5 Connect the insulated chimney pipe sections all the way to the ceiling, from the first section installed previously.

Follow the chimney manufacturer's instructions to maintain the continuity of airtightness with an effective vapor barrier at the location where the chimney or other component penetrates the exterior of the structure.

Step 6 Once at roof height, install a roof radiation shield. The shield must be installed so that it extends 1' above the roof line.

Step 7 Install the flashing.

- If the chimney is enclosed up to the roof, use ventilated flashing.
- If the chimney is not enclosed up to the roof, use regular flashing

Step 8 Gasket the joint between the roof and the flashing using asphalt-based gasketing compound. For a pitched roof, place the flashing under the upper shingles and over the lower shingles. Nail the flashing to the roof using roofing nails.

Step 9 Install the flashing collar around the chimney, just above the flashing. Gasket the collar with silicone gasketant. **(Do not use asphalt-based gasketing compound).**

Step 10 Install and secure the rain cap to the top of the chimney.



The masonry hearth must conform to **N.F.P.A. 211**, to **CAN/CSA A405** or to the **National Building Code of Canada**. In any other case, an R-value must be calculated and respected to install the s6-H.

This unit has to be connected to a chimney complying with the requirements for:

- **UL-103HT | CAN/ULC-S629**
- **ULC-S635 | ULC-S640 | UL-1777**

The installation of a Stûv stove in a masonry chimney still requires the installation of a section of an chimney section above the stove until it connects to the listed liner that will line the inner surface of the masonry chimney. A rigid stainless steel liner must be installed inside the fired clay liner inside the masonry chimney. The rigid liner does not replace the fired clay liner in any way. You must ensure that the chimney section and the liner are strongly secured together.

A masonry adapter FO-FDM(6) has been designed specifically for this use and is available from a dealer. This adapter attaches with 3 rivets (supplied) to the rigid liner and with 3 screws (supplied) to the chimney. Once the mortar is in place, the joint between the chimney and the rigid liner should not be visible in order to isolate the heat released through the liner from the stove enclosure. You must install a section of chimney of at least 46 cm after the chimney elbow.

The highest point of the chimney, where the chimney enters the masonry chimney, must be no less than 12 1/4" from combustible ceiling materials.

If ceiling height permits, install one of the chimney lengths directly on the stove, before the elbow. If a flexible liner is used, the cleaning should be carried out carefully so that it is not displaced.

! WARNING

If you plan to use an existing masonry chimney, you must have it inspected by competent authorities to confirm the following points:

- The masonry chimney is properly constructed, fully lined and complies with municipal by-laws and the National Building Code of Canada (NBC) or National Fire Protection Association (NFPA 211) standard.
- The masonry chimney has been completely cleaned of all soot and creosote residue and has been inspected to confirm that it is still in good working order. There is no insulation of any kind in contact with the masonry chimney and there is no insulation of any kind trapped anywhere in the chimney.
- All necessary clearances around the masonry chimney, along the entire length of the masonry chimney, are complying with CNB or NFPA 211. If the masonry chimney is enclosed behind drywall boards, openings must be made to confirm all clearances.
- The masonry chimney will be used only for the stove and not for any other appliance.
- If major repairs are required to meet the above mentioned points, a new masonry chimney will have to be built.

To make a hole in the masonry chimney and connect it to the stove, we recommend that you follow these steps:

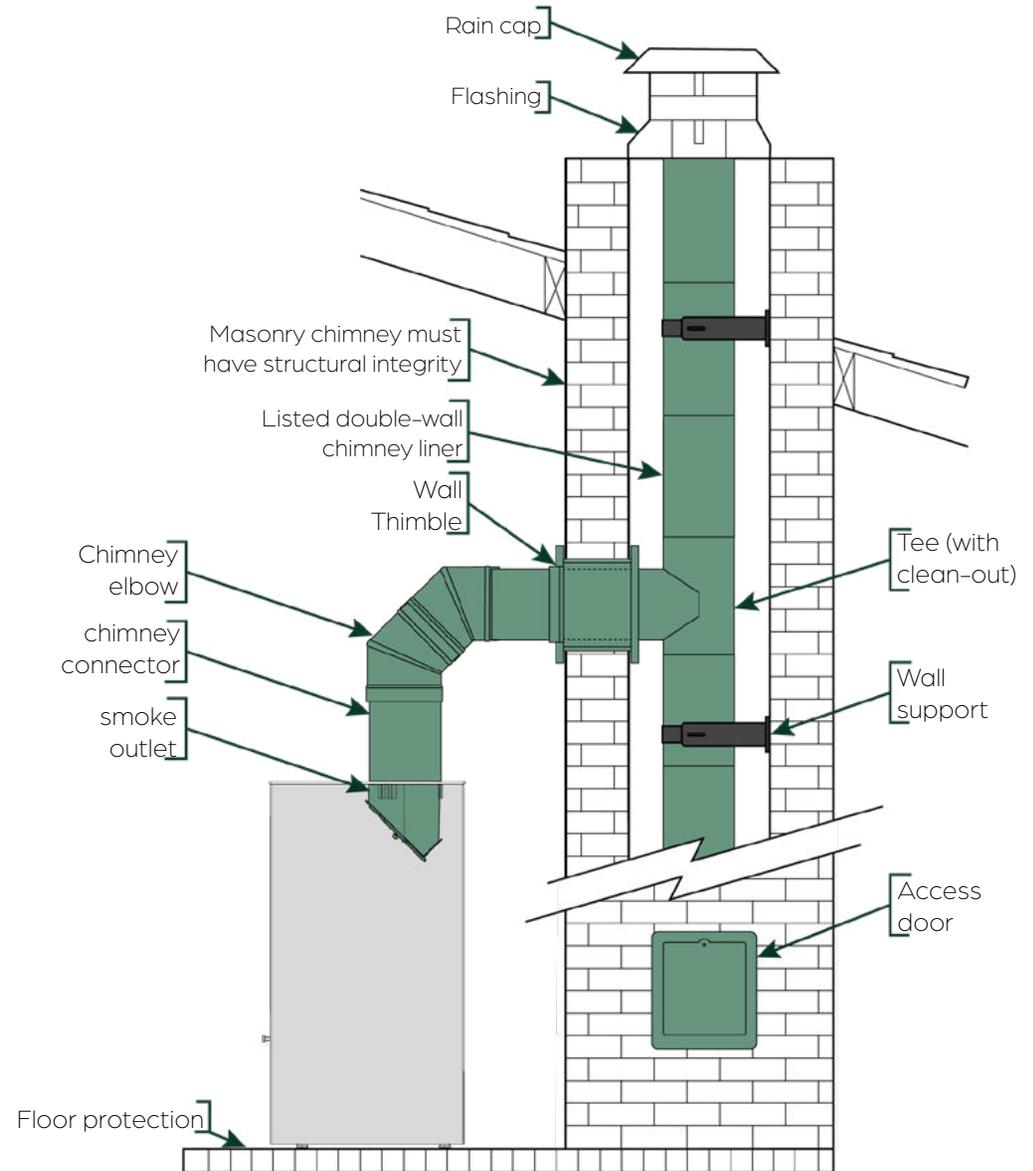
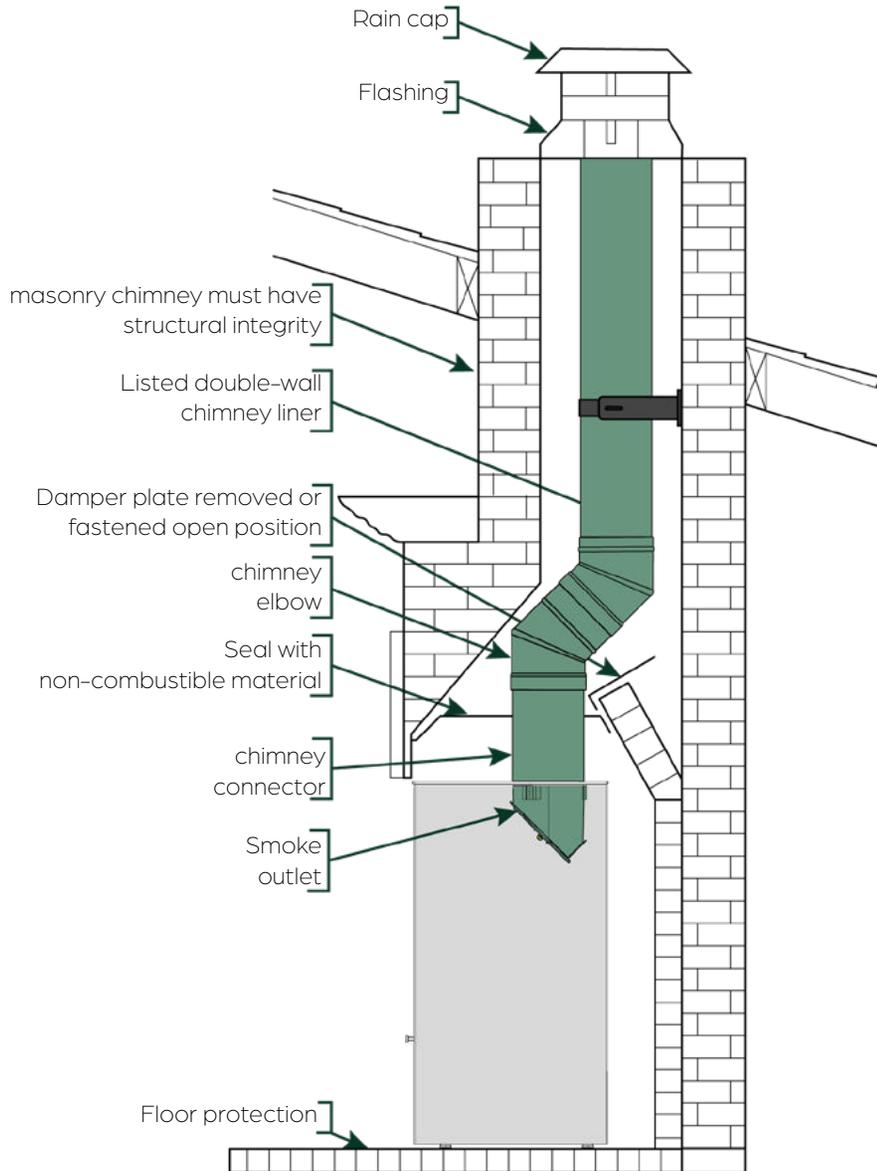
- Determine and mark where the chimney is to be inserted into the masonry chimney. Using a large masonry drill bit (3/4 - 2"), drill a hole exactly in the centre of the oval line. Using a masonry hammer and drill, gradually widen the hole to the desired size. Remember to work from the centre of the hole to the outside. Be particularly careful when drilling the fired clay liner behind the brick as the other three sides must remain in place.
- Slide the stainless steel liner from the top of the chimney down. If you are using a rigid liner, you will need enough space to fix an elbow with at least 2 rivets. If the rigid liner does not slide easily or if the masonry chimney has an interior opening of less than 10" X 10", a listed flexible liner can be used with a flexible/rigid adapter (LM-7LAF) available from a chimney dealer.
- Install the rigid liner elbow and masonry adapter at the lower end of the liner.
- Push the stove forward to install the chimney (elbow and length) and then push the stove back into place while connecting the chimney to the masonry chimney adapter.

5.3 MASONRY CHIMNEY

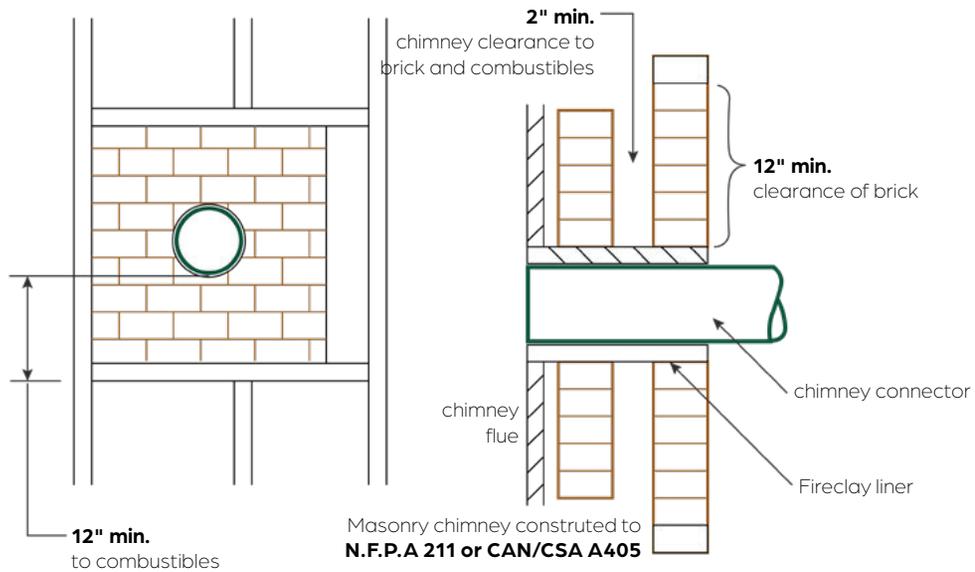


TYPICAL INSTALLATION

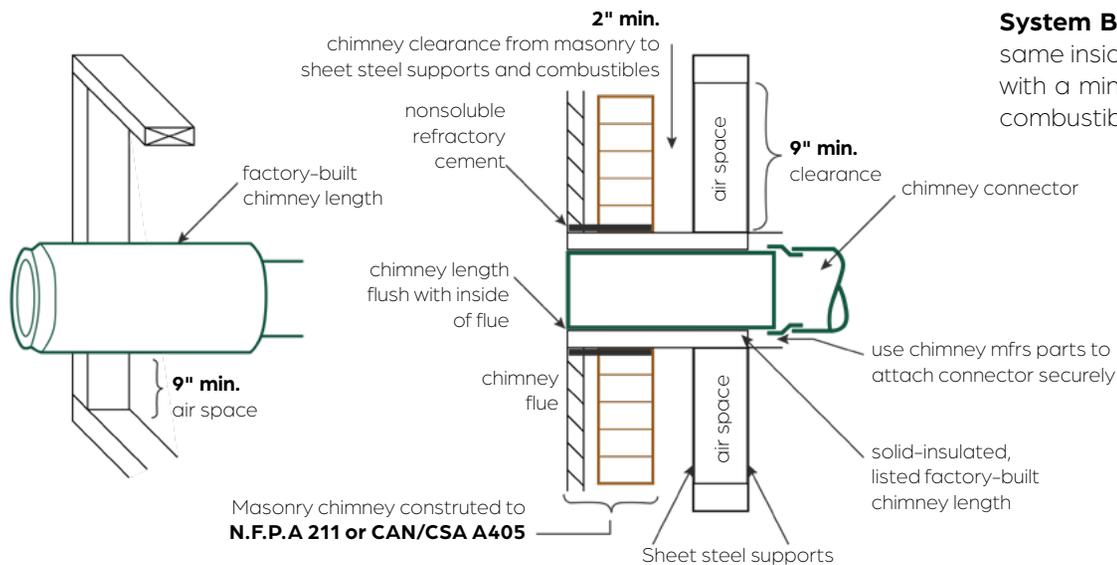
CHIMNEY PIPE THROUGH MASONRY CHIMNEY



5.4 CHIMNEY THROUGH A COMBUSTIBLE WALL

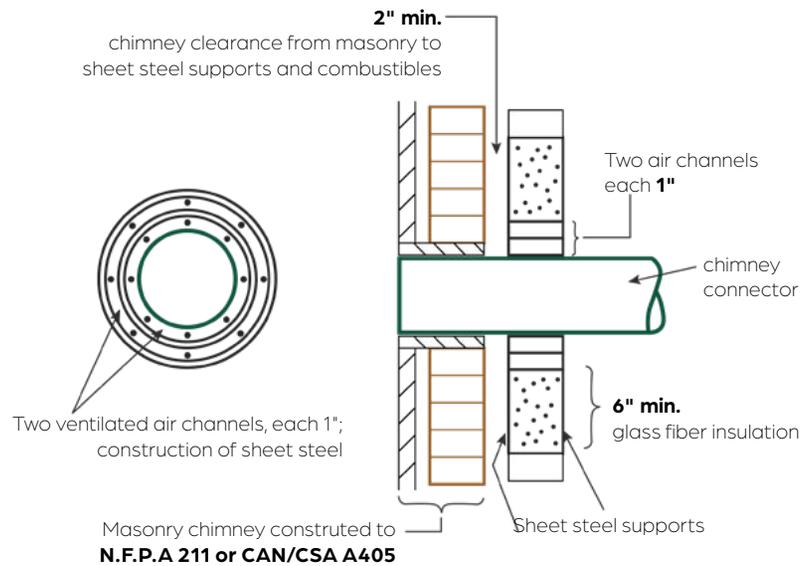


System A: Clearance: 12" Minimum 3.5" thick brick masonry wall framed into combustible wall with a minimum of 12" brick separation from clay liner to combustibles. The fireclay liner shall run from outer surface of brick wall to, but not beyond, the inner surface of chimney flue liner and shall be firmly cemented in place.

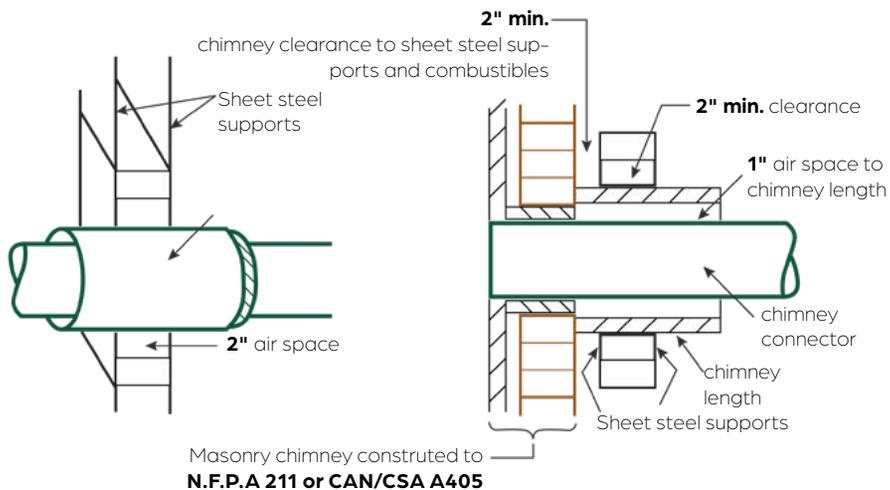


System B: Clearance 9" Solid-insulated, listed factory-built chimney length of the same inside diameter as the chimney connector and having 1" or more of insulation with a minimum 9 in. air space between the outer wall of the chimney length and combustibles

5.4 CHIMNEY THROUGH A COMBUSTIBLE WALL



System C: Clearance 6" Sheet steel chimney connector, minimum 24 gauge [0.024"] in thickness, with a ventilated thimble, minimum 24 gauge [0.024"] in thickness, having two 1" air channels, separated from combustibles by a minimum of 6" of glass fiber insulation. Opening shall be covered, and thimble supported with a sheet steel support, minimum 24 gauge [0.024"] in thickness.



System D: Clearance: 2" Solid-insulated, listed factory-built chimney length with an inside diameter 2" larger than the chimney connector and having 1" or more of insulation, serving as a pass-through for a single wall sheet steel chimney connector of minimum 24 gauge [0.024"] thickness, with a minimum 2" air space between the outer wall of chimney section and combustibles.

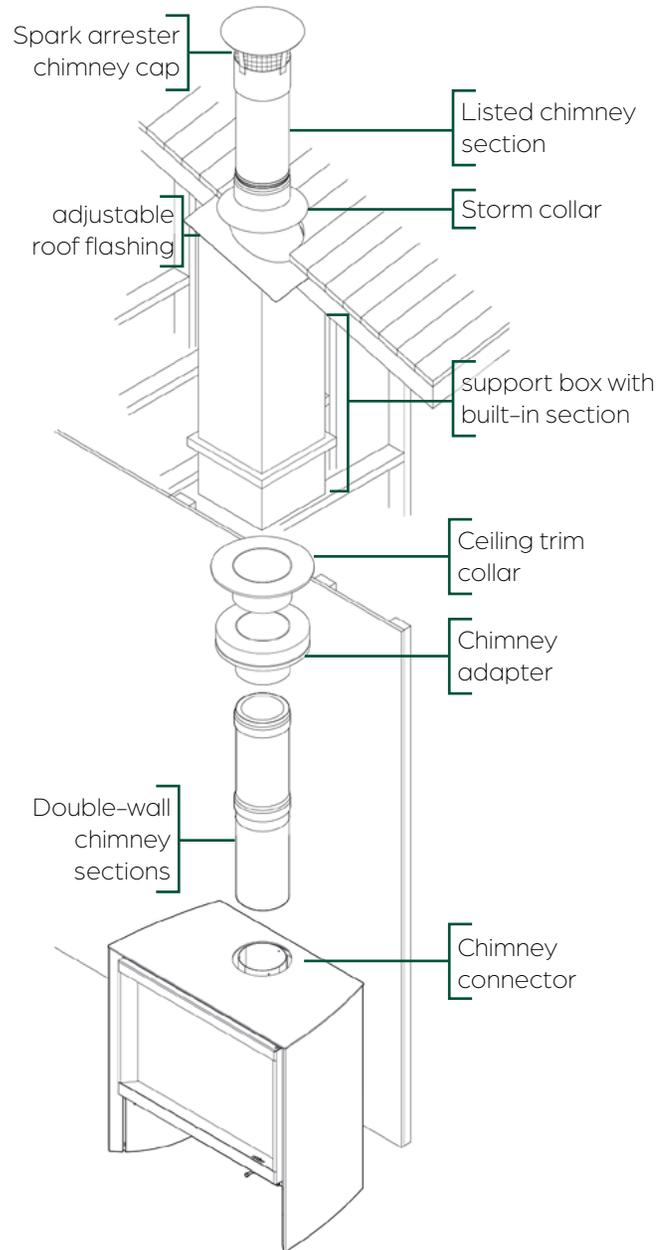
Minimum length of chimney section shall be 12". Chimney section concentric with and spaced 1" away from connector by means of sheet steel support plates on both ends of chimney section. Opening shall be covered, and chimney section supported on both sides with sheet steel supports of minimum 24 gauge [0.024"] thickness.

Supports shall be securely fastened to wall surfaces on all sides and shall be sized to fit and hold chimney section. Fasteners used to secure chimney section shall not penetrate chimney flue liner.

5.5 CHIMNEY IN MOBILE HOME (CANADA ONLY)



INSTALLATION DIAGRAM



A unit installed in a mobile home must be connected to a chimney complying with the requirements for:

- **UL-103HT | CAN/ULC-S629**

Install a Mobile Home Chimney & Connector Kit.

Each kit must include:

- Stainless spark arrester cap
- Storm collar
- Adjustable vented flashing – 0/12 – 6/12,
- Two 24" chimney pipes
- 24" support box with built-in starter section and trim

The air supply is important for an installation in mobile home. See **DIMENSIONS – Convection air and Air supply** for details.

The stove required to be fixed to the floor. See **INSTALLATION – Positioning and options** for details.

WARNINGS FOR TRANSPORTABLE BUILDING :

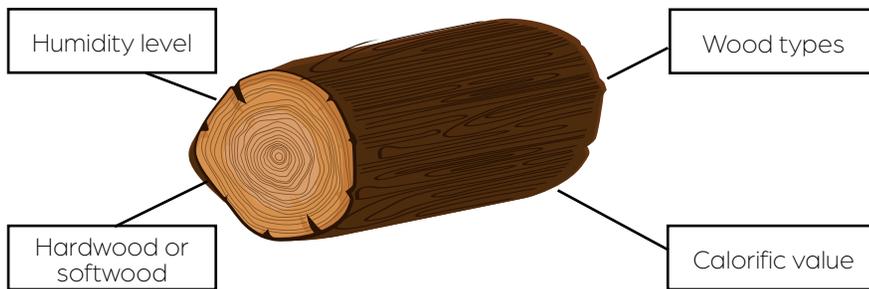
- It is permit to install this unit in a transportable building in **CANADA ONLY**.
- Do not install in sleeping room.
- The structural integrity of the mobile home floor, wall and ceiling/roof must be maintained.
- Remove the chimney for transportation of the building.



6

USE

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HUMIDITY LEVEL

It is essential to use **dry wood** that has a moisture content of **less than 18%**. This will ensure **more efficient** and **clean combustion**.

Using **wet or semi-dry wood** with a moisture content **higher than 18%** will result in mediocre and less efficient combustion. The fire will be smaller and difficult to start. It will release a great deal of **black smoke** and **pollution** into the air and also sully your glass and chimney pipe.

To choose dry wood, use a moisture meter or check if...

- The wood is lightweight and slightly split
- You hear a snap when banging one log against the other
- The bark comes off easily
- There are cracks from the centre to the edge

HARDWOOD OR SOFTWOOD

The harder a wood is, the more heat it will produce and the slower it will burn (at equivalent moisture content).

Softwood can be used as kindling over hardwood. It burns more quickly (at equivalent moisture content) despite its lower calorific value.

- **Hardwood:** oak, beech, elm, ash, acacia, hornbeam, maple
- **Fruit tree wood:** walnut, cherry, pear, apple, olive
- **Softwood:** poplar, birch, linden, locust, chestnut
- **Resinous wood:** maritime pine, spruce, Scots pine, fir, larch

WOOD TYPES

Ash and beech are recommended as firewood as they dry quickly and are easy to find. They must be stored under a shelter immediately after being cut and split, otherwise they rot very quickly and lose their calorific value. They are easy to light and produce very bright, lively flames.

Maple has a good calorific value. It produces fires and embers that last a long time.

Oak is an excellent fuel, but unlike other wood species, it has to remain uncovered for two years to allow the rain to remove the tannins it contains. Then it has to be stored under shelter for another year or two before it can be burned. Small oak branches have a high sapwood content, which burns too quickly. Oak burns slowly, produces a calm fire and beautiful embers. It is ideal for barbecuing and for moderate fires.

Hornbeam, cherry and fruit trees are excellent fuels, but are rare. These are hardwoods. They produce beautiful, harmonious and calm flames, and beautiful embers. Ideal for a barbecue or a calm fire.

Birch, linden, chestnut, poplar and black locust are broad-leaved trees with soft wood. They produce beautiful, harmonious, but bright flames and few embers. Because they burn quickly, they can be used to start (or restart) the fire. Caution: Poplar produces abundant and volatile ash while black locust produces significant sparks.

Resinous woods generate a lot of heat, but they burn quickly. They throw sparks and the resins they contain cause build-up in the chimney.

CALORIFIC VALUE

Each type of wood has a different calorific value and all burn in different ways.

We strongly encourage the use of hardwoods such as hornbeam, maple, oak, ash, elm and beech. They produce beautiful flames and plenty of embers that glow for a long time.



! CAUTION – NOT TO BE USED

Burn only firewood. Do not burn:

- Garbage
- Lawn clippings, yard waste or unseasoned wood
- Materials containing plastic, petroleum-based products, gasoline, liquid fuel or rubber, including tires
- Waste petroleum products, paints or paint thinners, or asphalt products
- Industrial solvents
- Flammable liquids such as naphtha and motor oil
- Painted wood, varnished wood or chemically treated wood
- Materials containing asbestos
- Construction or demolition debris
- Salt water driftwood or other previously salt-water saturated materials
- Railroad ties or pressure-treated wood
- Manure or animal remains
- Paper products, cardboard, plywood, or particleboard. The prohibition against burning these materials does not prohibit the use of fire starters made from paper, cardboard, saw dust, wax and similar substances for the purpose of starting a fire in this unit
- Any substance that emits dense fumes and strong odours

The heat produced by these materials is too great and can damage the appliance, in addition to causing soot to form on the glass and on the inside of the chimney pipe. These materials produce toxic and polluting fumes, such as carbon monoxide, which can be hazardous to health. Burning these materials may result in release of toxic fumes or render the heater ineffective and cause smoke.

Composite logs (ecological): Composite/ecological logs are to be avoided. They sometimes emit residues that sully the mechanisms and cause the appliance to age poorly.

This wood heater has not been tested with decorative sets (logs, pebbles) for unvented gas fireplaces. To reduce the risk of fire and/or injury, it is prohibited to install a decorative set in the combustion chamber of the appliance.

Do not use a grate or other method to elevate the fuel. Burn firewood directly on the cast irons. Do not elevate the fire.

! **CAUTION**
Read the safety instructions on page 7 before using the stove.
 Upon first use, some smoke or odours may be produced. **Ventilate the room well.**

! In case of a chimney fire

1. Call the fire department.
2. Put out the fire with a type A or ABC extinguisher (powder, foam or water and additive). Avoid using a bucket of water or any other hazardous method to put it out.
3. Air out the room in which the unit is located.
4. After a chimney fire, have the chimney cleaned and inspected by a professional.
5. Make any repairs necessary before using the unit again.

EMPLACEMENT ET EFFICACITÉ

Every solid fuel installation is unique. It is imperative to consider the location of your appliance for optimum heating efficiency but also proper performance. **Geographical location** can have a huge impact on the performance of the appliance. **Sufficient draft** is the most important aspect in solid fuel heating. For maximum efficiency, the appliance should be installed in locations to allow for the highest possible rate of success. In general, the appliance will perform best in **main living areas with an inside insulated chimney**. This will allow for the best air combustion situation and highest draft potential.

If the outside temperature is higher than the inside temperature, load more paper and more kindling to properly heat the chimney pipe and thus counter the temperature imbalance. First ignite balled-up pieces of paper and about 1 to 1 1/2 lb. of kindling ±3/4 sq. in.-thick.

The maximum load to avoid overfiring is **2x the weight of the hourly consumption**. Refer to the table on page 5.



Step 1 To open the stove, pull on the handle under the door and swing open.

Step 2 To close the door, swing shut and then press on the end of the handle as hard as you can with your thumb.

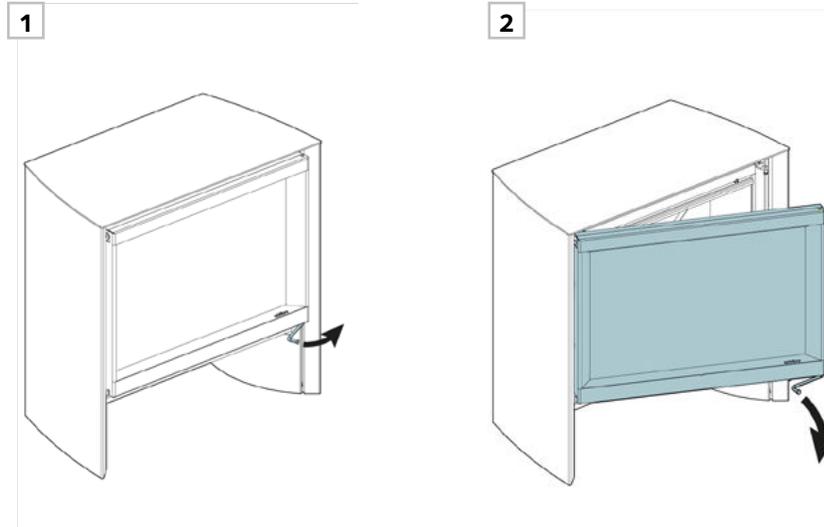


CAUTION

The door may be hot!

Be careful with the door.

Do not strike or slam the door. It may broke the glass.



6.4 STARTING THE FIRE

This Stûv unit needs air for combustion. Ideally, the installer will connect the stove to the outside air using a duct.

If the air damper is installed, open it to start the fire.

Do not build the fire too close to the glass and **do not start a fire if the glass is broken.**

Always keep the duct free of obstructions.

The stove's proper operation can be affected by air-supplied systems installed in the same room (air exchanger, range hood, air conditioning, etc.) and this may result in smoke backflow.



UPSIDE-DOWN FIRE!

We recommend starting the fire using the upside-down fire method. It is more efficient and eco-friendly.

The advantages:

- Putting the logs in first will greatly reduce the smoke that is produced since the temperature will rise gradually.
- The stove's efficiency will also increase with complete combustion.

- Once the logs underneath have caught fire, the combustion gases pass through the flames. As they increase in temperature, they are nearly completely degraded and the stove therefore emits less CO and fewer particles.
- With this method, there is less risk of logs falling during combustion since the bigger pieces are at the bottom.

The instructions for building a upside-down fire can be found on the next page.

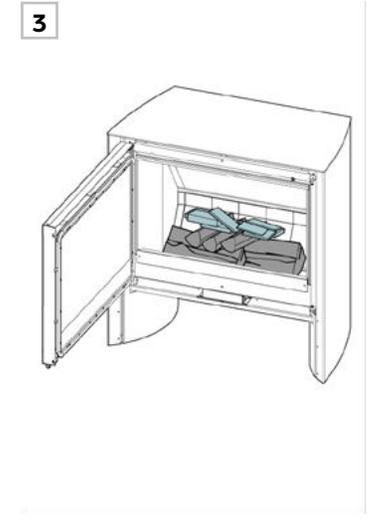
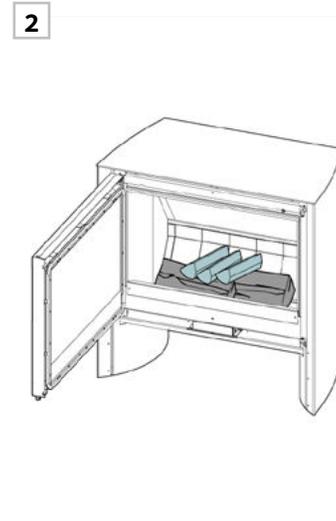


! MAKING AN UPSIDE-DOWN FIRE

Step 1 Place the big logs in the combustion chamber first.

Step 2 Add smaller pieces with no bark, placed perpendicularly.

Step 3 Gather the kindling and cover the wood already present (approximately 1 kg of kindling).



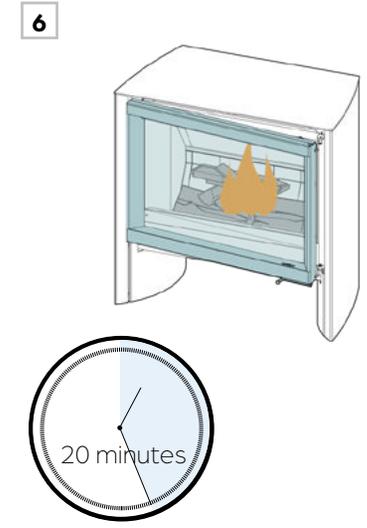
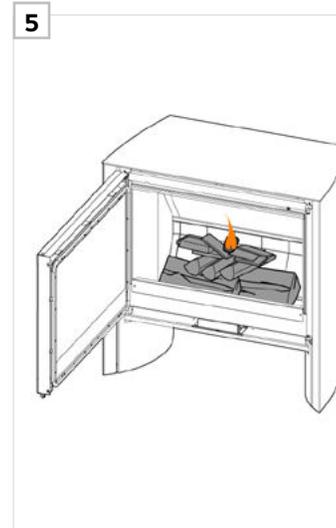
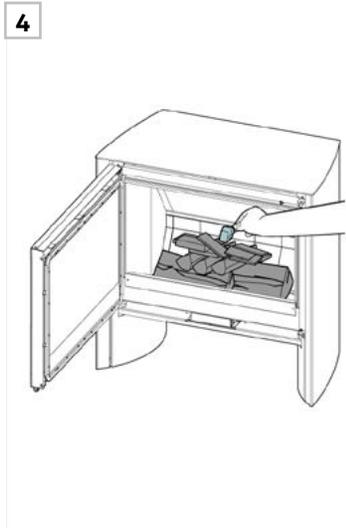
! NOTE
The total load must not exceed 2/3 of the combustion chamber so as not to overheat the unit.

Step 4 Insert an eco-friendly firelighter in the kindling.

! CAUTION
It is recommended to use fire starters made from sawdust or wood fiber, without chemical and toxic additives. Paraffin or other waxy substances can block the air supply system.

Step 5 Light the fire directly on the firelighter.

Step 6 Leave the door ajar for 20 minutes.





Step 1 Open the door.

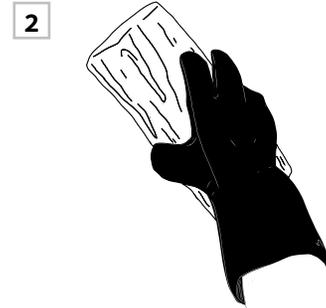
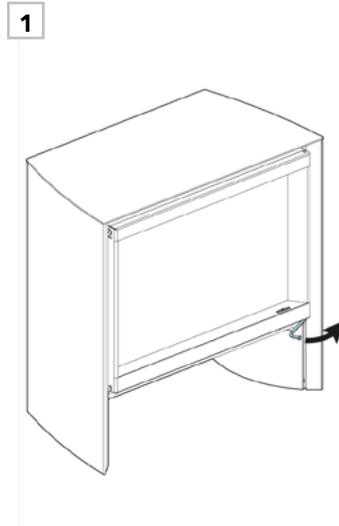
Step 2 Add wood using the Stûv glove supplied with the unit. Do not stir or agitate the wood when it is burning.

Step 3 Close the door and enjoy the fire. It is normal to feel resistance when opening the glass door when the fire is burning.



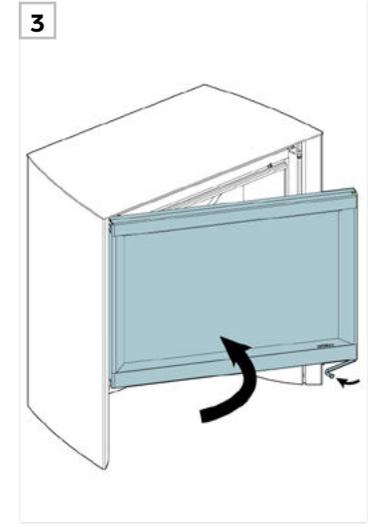
NOTE

The door can be kept ajar to help restart the fire. Close the door when the fire is well started.



NOTE

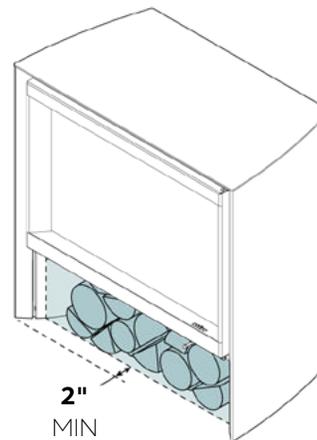
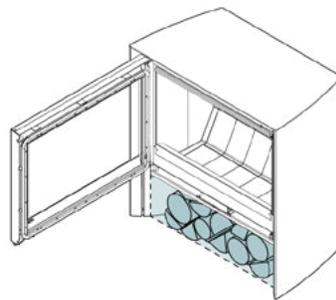
Burning one log at a time increase the amount of embers and coal. While burning two or more logs, the combustion is optimized and this will reduce unburned residues.



CAUTION

In order to increase the safety of your installation, we recommend limiting the storage of logs to the interior area of the base. Which mean, to not exceed the front of the combustion chamber or 2" behind the door.

Do not store any highly flammable material, such as paper and fire starters.





Step 1 Wait until the ashes are cold before opening the door, to ensure safety. Remove ashes when they are above the angle bar.

Step 2 Use an ash shovel to remove the ashes.



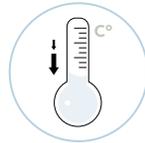
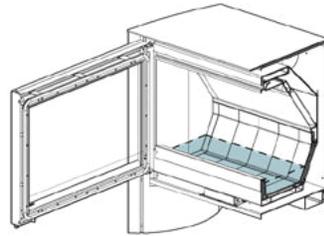
NOTE

Leaving 1" of ash bed after each use helps start the next fire.

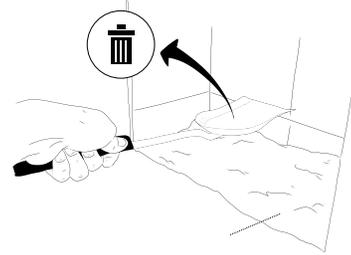
Step 3 Ashes should be placed in a metal container with a **tight fitting lid**. Move the container outdoors immediately and other waste shall not be placed in this container.

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.

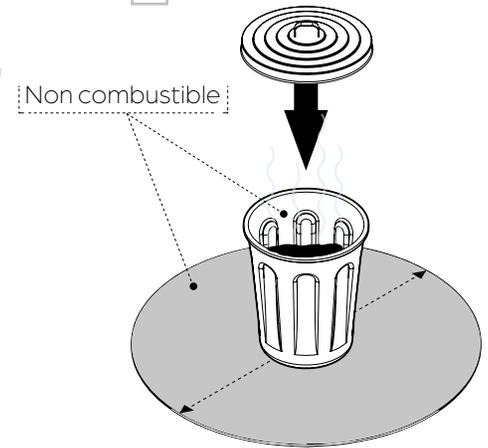
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7 MAINTENANCE

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7.1 GLASS AND GASKETS

CLEANING THE GLASS

- Do not clean the door when the glass is hot.
- Using cleaning products will quickly degrade the gaskets. However, it is possible to use standard glass-cleaning products to clean the glass, on the inside and outside of the door.
- It is also possible to clean the glass using only water and ash.
- If the door is very dirty, it will be easier to remove it and place it on a soft surface in order to clean it.
- Do not use abrasive cleaners.
- Use a dry cloth to clean the components.

Note: A spray paint can is supplied with the stove for touch-ups. When painting, do a test on another surface to avoid putting solvent on the existing paint. The surface to repaint must be smooth, clean and free of grease. Read the instructions on the spray paint can's label.

CREOSOTE - FORMATION AND NEED FOR REMOVAL

Creosote is a thick, black residue that forms due to incomplete combustion of wood. It can be brittle or smooth (vitrified). During slow combustion, wood releases tar droplets that condense on the cold chimney lining. The shape of the residue varies with time and the internal temperature of the lining on which the creosote vapours condense. The presence in a chimney of soot or creosote in excess of 3 mm thick will indicate the need for immediate cleaning, possible modification of burning procedures, and more frequent inspections.

This build-up of creosote can be very hazardous. When ignited, it produces an extremely hot fire in the chimney. Have your chimney professionally **inspected twice during the heating season** to assess whether or not a creosote build-up has occurred. If so, remove any built-up residue to **reduce the risk of a chimney fire**.

It is recommended that the unit's main user establish a chimney maintenance routine. Check for creosote build-up on a daily basis to get a good idea of how often the chimney needs to be swept for safety. The hotter a fire burns, the less creosote will build up. Weekly sweeping may be necessary in milder weather, while monthly sweeping can be sufficient during the colder months. **Contact your local or provincial fire department for information on how to put out a chimney fire.**

7.2 CHIMNEY-SWEEPING



SOOT - FORMATION AND NEED FOR REMOVAL

When coal is burned, the products of combustion combine with moisture to form a soot residue which accumulates on the flue lining. When ignited, this soot 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 soot buildup has occurred. If soot has accumulated, it should be removed to reduce the risk of a chimney fire.



Inspect the combustion chamber every two months to ensure its compliance.

CHIMNEY-SWEEPING STEPS

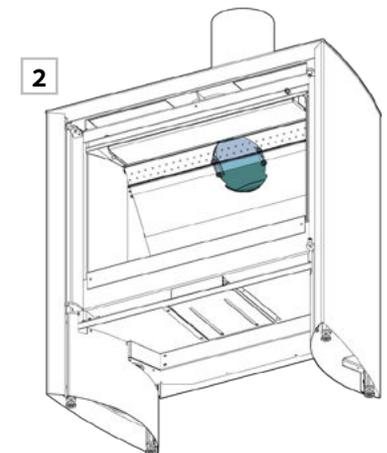
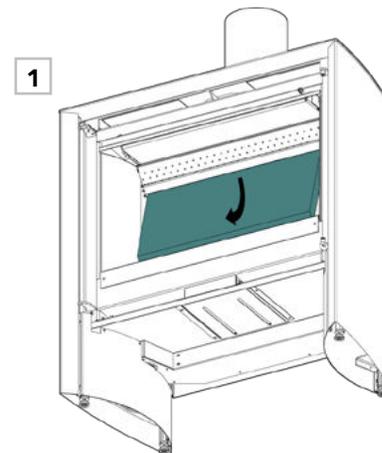
Wait until the unit has cooled completely before conducting maintenance.

If sweeping is done **from the inside**:

- Open the door.
- Remove the top vermiculites.

If sweeping is done **from above**:

- Close the door.
- Carry out the sweeping according to local regulations.





DOOR GASKET

All gaskets must remain in good condition. Inspect them frequently.

Step 1 Visually inspect the gasket to ensure it is in good condition. Even if it is, it might not be airtight enough to keep smoke from escaping.

Step 2 To check its airtightness, place a 3- or 4"-wide sheet of paper in the door and close. Try to pull the paper out all along the door frame. If the paper comes out, replace the gasket. Contact the Stûv dealer.



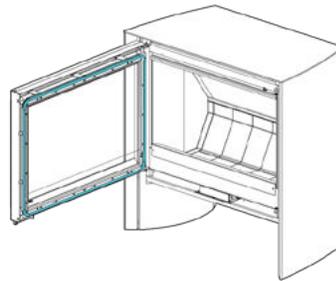
Stûv America recommends using **original replacement parts** to ensure the unit's integrity and safety. Using make-shift parts may compromise the appliance.

Step 3 Remove the door and place it on a **clean, soft surface** to protect the paint.

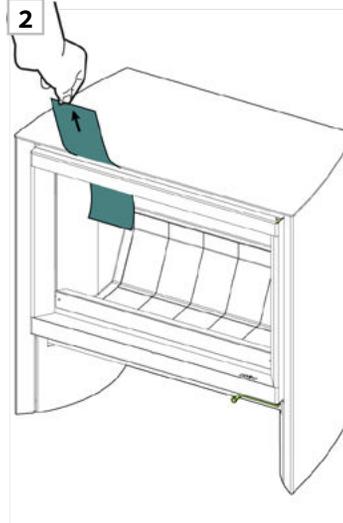
Step 4 Tug on the door gasket to remove.

Step 5 Push the new gasket into place, positioning the junction at the bottom centre.

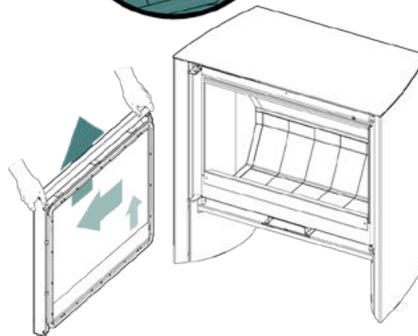
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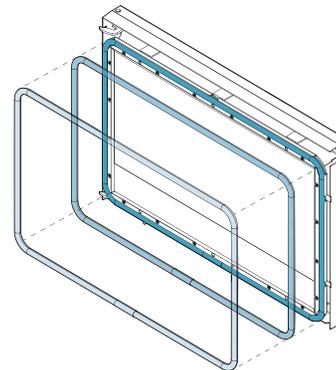
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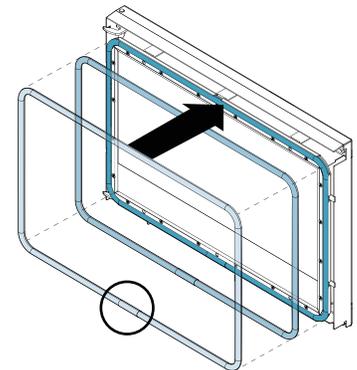
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GLASS

Step 1 After removing the gasket (see previous page), continue the steps by removing the screws on the glass retaining clips.

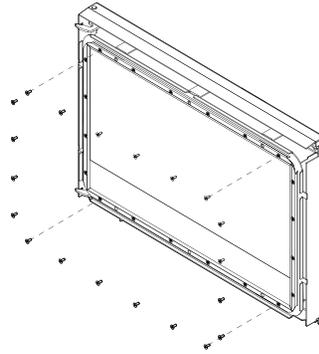
Step 2 Remove the glass retaining clips.

Step 3 The pane of glass is now accessible and can be changed. Repeat the steps in reverse to reassemble the door.

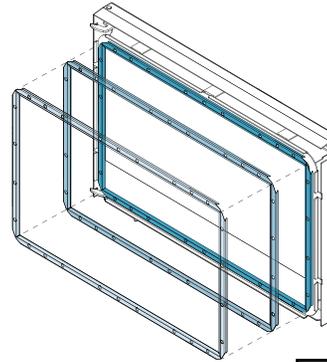
The glass must be a **4 mm**-thick ceramic glass and must be able to withstand high temperatures.

The glass has a specific shape for its purpose and **Stûv recommends the use of original replacement parts.**

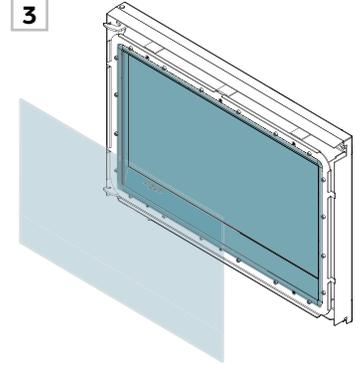
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MODEL	CODE	DIMENSIONS
76x60	14006094	645 mm x 431 mm



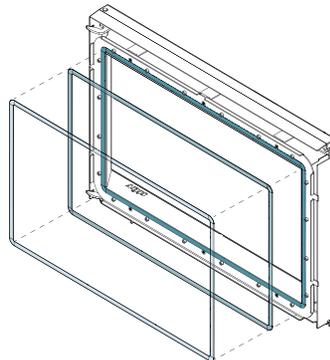
GLASS GASKET

Step 4 Once the glass is removed, the gasket will be accessible.

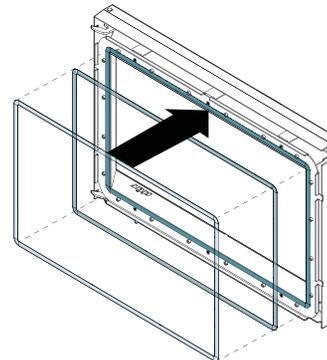
Step 5 The gasket can be changed if it is damaged. If the pane is being changed, this gasket must be changed as well.

Step 6 Repeat the steps in reverse up to reinstalling the door.

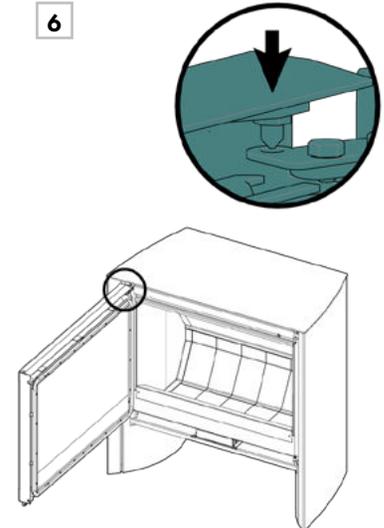
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8

WARRANTY

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8.1 WARRANTY DETAILS



WARRANTY COVERAGE

Stûv appliances are guaranteed against:

- manufacturing defects
- paint defects on the visible parts of the unit
- glass breakage, but only if it occurs during the first firing
- shipping-related damage if we are notified within 48 hours of delivery and the damage is noted on the carrier's bill of lading when the unit is received (website)

This warranty does not cover damage to the appliance or malfunctions due to:

- installation that does not comply with the applicable regulations or the installation instructions
- abnormal use that does not comply with the directions for use
- lack of maintenance
- an external cause, such as a flood, lightning strike, fire, etc.

The warranty is limited to replacing the parts deemed defective and does not include labour or damages.

WARRANTY TERMS

This document must be returned to us, duly completed, within one month of the date of the dealer's invoice to the buyer.

Duration of the warranty:

- 5 years on the body of the appliance
- 1 year on refractory materials, gaskets, door mechanism, hinges and latches.

The warranty period begins on the date of the dealer's invoice to the buyer. The replacement of parts under warranty does not extend the duration of the initial warranty.

When an item is defective, it is important to quickly notify an authorized Stûv dealer. They will contact Stûv America to fill out the warranty form. They will need:

- the unit's serial number
- the date the unit was purchased
- an explanation of the defective item
- photos of the defective item

With this information, Stûv America will be able to validate whether the part is covered by the warranty and judge the relevance of changing it. The dealer will also be in charge of installing the new part.

CERTIFICATE OF WARRANTY

This Stûv appliance has been designed to offer you maximum pleasure, comfort and safety. It has been manufactured with the utmost care using quality materials and components to provide years of trouble-free operation.

Should you notice a defect in spite of this care, we commit to rectifying the situation. However, as a user, you also have an important role to play in getting the satisfaction you expect from your Stûv.

We strongly recommend:

- having the unit installed by a qualified professional who can ensure that the installation of the appliance and the integrity of the chimney are in compliance with the certifications and the building code,
- carefully reading the operating and maintenance instructions,
- having the chimney swept regularly (once per heating season, for regular use) to ensure optimal operation and maximum safety.

8.2 WARRANTY FORM



THE APPLIANCE

Serial no.: _____

Model: _____

Invoice date: _____

Installation date: _____

*The serial number can be found on the marking label at the bottom of the combustion chamber. The location of the label is indicated on the first page of the *CERTIFICATION* section..

THE INSTALLER

I, the undersigned,
declare that the above-mentioned appliance has been installed in compliance with the existing regulations and in accordance with the technical recommendations in the installation instructions.

Date: _____

Signature: _____

Company: _____

Name: _____

Address: _____

Tel no.: _____

THE DEALER

Company: _____

Name: _____

Address: _____

Tel no.: _____

THE BUYER

Name: _____

Address: _____

Email: _____

Tel no.: _____

Installation address (if different): _____

PLEASE FILL OUT THIS FORM AND SEND IT TO US VIA:

Our website: **stuvamerica.com**
On the Warranty and Product Registration page

Stûv America Inc.
34, Boulevard de l'Aéroport
Bromont Quebec J2L 1S6 Canada

Email: **info@stuvamerica.com**
Tel.: +1 -866-487-7888
Fax: +1 -514-528-9538



Stûv stoves are designed by:

Stûv sa – Belgique
stuv.com

Rue Jules Borbouse n°4 B-5170
Bois-de-Villers

And manufactured in North America by:

Stûv America inc. – Canada
stuvamerica.com

34, Boulevard de l'Aéroport
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