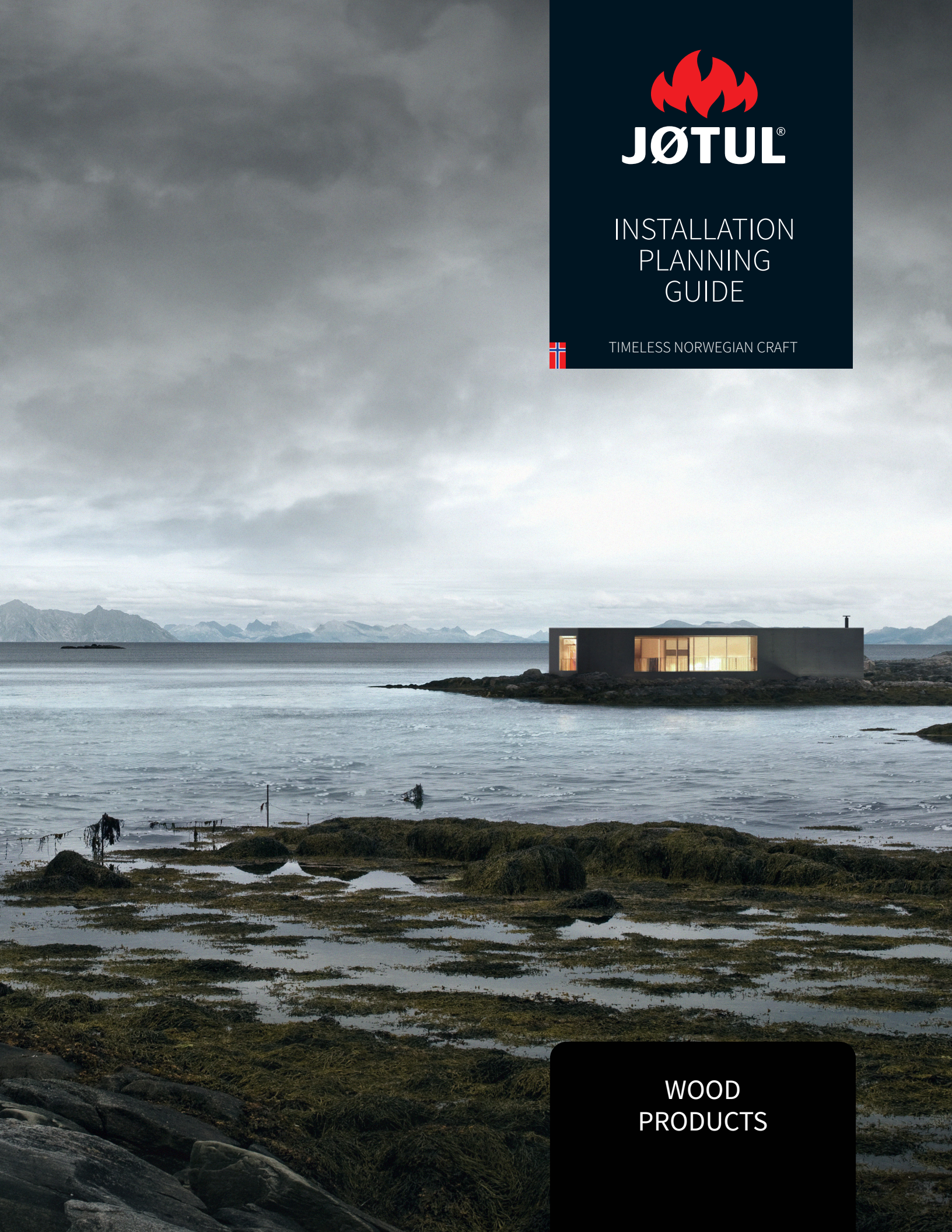
JØTUL®

INSTALLATION PLANNING GUIDE

TIMELESS NORWEGIAN CRAFT



WOOD PRODUCTS

We wish you success...

This booklet is intended to provide you with a solid base of information with which to plan the successful installation of you new Jøtul fireplace. Within these pages, you will find complete specifications for each Jøtul wood-burning heater, along with general guidelines to help ensure a safe, effective, and trouble-free installation. Your local authorized Jøtul dealer also stands ready to answer any questions you may have and is your best resource for information specific to building codes and other local requirements.

This book is not intended to replace the Installation and Operation Manual included with each Jøtul fireplace. Be sure to install your heater according to those instructions.

Contents

General Information

Professional Installation

We at Jøtul North America are dedicated to manufacturing the finest quality hearth products that you can be assured will provide many years of safe, dependable service.

To ensure your satisfaction, we recommend that whenever possible our products be installed and serviced by hearth professionals who are certified by the National Fireplace Institute (NFI) or, in Canada, by Wood Energy Technical Training (WETT). Your local Jøtul Authorized Dealer is your best resource for a safe and effective installation.

NATIONAL FIREPLACE INSTITUTE
NFI
CERTIFIED
www.nficertified.org

Wood Energy Technical Training
www.wettinc.ca

Test Standards

All Jøtul wood-burning stoves and fireplaces comply with National Safety standards and are tested and listed by Intertek Testing Services of Middleton, Wisconsin to ANSI / UL 1482 for the U.S. and CAN / ULC-S627-M93 for Canada.

Planning Your Installation

Building Codes and Installation Standards

Your city, town, county or province may require a building permit to install a wood-burning heater. Always consult your local building inspector or authority having jurisdiction to determine what regulations apply in your area. Your local official is always the final authority in determining the acceptability of a proposed installation.

In the U.S., the National Fire Protection Association's Code, NFPA 211, Standards for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances, or similar regulations may apply in your area.

In Canada, pertinent guidelines are established by the CSA Standard, CAN/CSA-B365-M93, Installation Code for Solid-Fuel Burning Appliances and Equipment.

In addition, you should consult your insurance company regarding any other specific requirements that may be necessary.

Mobile Home Installation

The F 45 V2 Greenville, F 55 V2 Carrabassett are approved for installation into mobile homes in the United States and Canada. The F 500 V3 Oslo is approved for the United States. Consult the specific owners manual for more details.

- The stove must be secured to the floor of the mobile home. Use the following Floor Bracket Kit depending upon the model:

  F45 V2 /F55 V2 - Floor Bracket Kit 157321

  F500 V3- Floor Bracket Kit, Long Leg (8") 750304
- Use the following Outside Air Kit to provide outside combustion air depending upon the model:

  F 35 - Outside Air Kit 158265

  F45 V2 - Outside Air Kit 157637

  F55 V2 - Outside Air Kit 157320

  F 445 - Outside Air Kit 154355

  F500 V3 - Outside Air Adapter 154333
- Use only listed double-wall pipe for the chimney connection.
- The stove must be grounded to the mobile home chassis.
- The stove must otherwise be installed in accordance with 24CRR, Part 3280 (HUD).

Consult your local building inspector or fire officials about restrictions and requirements in your area prior to installation.

Choosing the Right Heater

The ability of one of our stoves to heat your home depends on many different factors. First you will need to identify what your expectations are; will the heater be used to provide ambiance for a gathering room, supplemental heat for several rooms, or primary heat for the whole house? Other issues to consider include how large your home is, how tight is its construction, the design of the floor plan, how cold the climate is in your area, what type and quality of wood you burn.

Each of our stoves and fireplaces has a heating capacity expressed in square feet. This figure is given for an average home in a moderate climate with an open floor plan. You will have to adjust up or down depending on your individual situation. Remember, you will be generally be better satisfied with a stove that's slightly undersized for your needs than you will be with one that is oversize. A stove that is too large will not be allowed to burn fuel efficiently without overheating the room.

Choosing the Right Location

Jøtul wood heaters take advantage of the thermal properties of cast iron and radiant heat to warm the immediate area around the stove quite effectively. The entire room and its furnishings will absorb this heat and become warm themselves. Radiant heaters perform best when installed in central, open locations that provide plenty of air circulation to aid heat convection into other areas of the home.

You can enhance air movement through use of floor and wall registers, ceiling fans and open doorways. Consult your Jøtul dealer regarding simple, yet creative ways to get the most out of your wood heater.

Chimney Requirements

Often, the stove location may be dictated by the location of an existing chimney. There are two types of chimneys suitable for use with solid fuel-burning appliances;

1. A code-approved masonry chimney with a ceramic tile or listed steel flue liner.
2. A listed, prefabricated Type HT (2100°F) steel chimney complying with UL 103 or ULC S629.

Any existing chimney must be thoroughly inspected before installing the stove.

The chimney is the single most important factor in determining how successful your stove will perform. The force of the air moving through the chimney is called draft. Anything that affects draft will have a consequent affect on your stove's performance. Several factors affect draft: chimney height, cross-sectional area (size), masonry vs prefabricated, chimney temperature, prevailing wind conditions, and the surrounding physical environment. Your Jøtul dealer can best advise you on selecting the best chimney for your needs, or on how to ensure the best performance from an existing chimney.

A short exterior masonry chimney will provide the poorest performance because it will be difficult to warm the flue and sustain temperatures necessary to maintain draft strength. In extremely cold climates, it may be necessary to reline the chimney or extend the height to help strengthen draft. Generally, a chimney should be no shorter than 14 ft.

A tall, interior masonry chimney will be easier to keep warm, sustain strong draft, and will be less likely to be affected negatively by weather conditions or other environmental factors.

Chimney Requirements

Masonry Chimneys

A masonry chimney should conform to the following guidelines:

- The chimney must have a fireclay liner or equivalent, with a minimum thickness of 5/8" and must be installed with refractory mortar. There must be at least 1/4" air space between the flue liner and the chimney wall.
- The chimney flue size should not be less than the cross-sectional area of the stove flue collar.

  The cross-sectional area of the flue of a chimney with no walls exposed to the outside below the roofline shall not be more than three times the cross-sectional area of the stove flue collar.

  The cross-sectional area of the flue of a chimney with one or more walls exposed to the outside below the roofline shall not be more than two times the cross-sectional area of the stove flue collar.

  Larger chimney flues should be relined with a listed or code-approved liner.
- Brick or modular block must be a minimum 4" nominal thickness. Stone construction must be at least 12" thick.
- * A newly-built chimney must conform to local codes, or, in that absence, must comply with national regulations.
- No other appliance may be connected to the same flue.
- An airtight clean-out door should be located at the base of the chimney.

Chimney Height

Whether masonry or prefabricated steel, any chimney must be at least 3 feet higher than the highest point where it passes through the roof and at least 2 feet higher than the highest part of the roof or structure that is within 10 feet of the chimney, measured horizontally. See figure 1.

Chimneys shorter than 14 feet may not provide adequate draft and can result in smoke spillage when loading the stove. Poor draft can also cause back-puffing (ignition of gas buildup in the firebox) and sluggish performance. The minimum chimney height does not, in itself, guarantee satisfactory chimney performance.

Excessive chimney height can promote overly strong draft resulting in high stove temperatures and short burn times.

Avoid locating the chimney close to building structures, trees, or other environmental objects that may interfere with draft stability or cause nuisance to neighbors.

Your Jøtul dealer is your best resource for information regarding draft issues and how best to avoid other performance related problems.

Chimney Connection

Single wall steel stovepipe having a minimum 24 gauge thickness is suitable for connecting your heater to a masonry or prefabricated factory-built chimney flue. Always assemble the sections keeping the crimped ends pointing toward the stove. Secure each joint with three sheet metal screws. Clearance to adjacent combustible surfaces must be maintained. See the individual product clearance charts for these specifications.

Use double-wall, air insulated pipe for runs exceeding 10 ft. Any horizontal chimney connection run must include 1/4" rise per foot and should not exceed 3 ft.

Double-wall pipe can be used to achieve reduced clearance to adjacent combustible surfaces with or without additional shielding.

Prefabricated Chimneys

Prefabricated metal chimneys offer an alternative when masonry construction may not be practical. Use only a High Temperature (HT) chimney system tested and listed for use with solid fuel-burning appliances. Follow the manufacturer's installation instructions exactly and confirm that clearances are maintained as specified by the manufacturer.

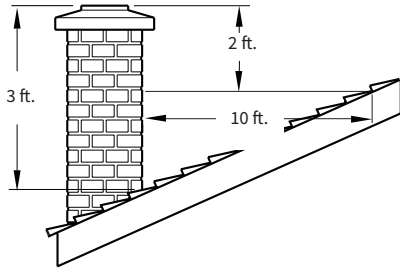


Figure 1. The 3' / 2' / 10' Chimney Rule.

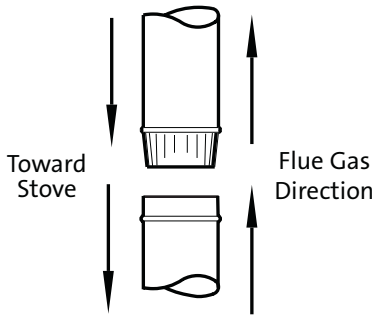


Figure 2. Assemble chimney connection sections crimped end toward stove.

Wall Pass-throughs

Follow these guidelines for passing a chimney connector through a combustible wall.

For US: Installation must conform to NFPA 211, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances. Consult your local building inspector before proceeding.

Common Methods

See Figures 3-6.

- Remove all combustible materials from the pass-through area (around the chimney connector), to maintain clearance as specified for System alternatives A-D.
- Any pass-through for single-wall pipe must be at least 18" from combustible ceiling materials.
- It may be necessary to cut wall studs, install headers, and construct a sill frame to maintain the proper dimensions and to support the weight of the brick.
- Bricks must be solid and having a 3" minimum thickness (4" nominal).
- Refractory mortar must be used at the junction of the chimney and the pass-through liner. The pass-through liner must not penetrate the chimney liner. Use extreme care when penetrating the liner as the fireclay can shatter easily.

For Canada: Installation must conform to CAN/CSA B365-M91, Sect. 5.3.1 and 5.3.2. Installation Code for Solid Fuel Burning Appliances and Equipment. Consult your local building inspector before proceeding.

Common Method:

- Remove all combustible materials from at least 12'' around the chimney connector location. A 6" diameter liner requires a minimum opening 31''x 31'' square.
- Locate the pass-through at least 18'' from combustible ceiling materials.
- The space that is cleared of combustible materials must remain empty. Sheet metal panels may be used to cover the area, If a single panel is used, it may be installed flush with the wall. If a panel is installed on each side of the wall, each must be spaced off the walls using 1'' noncombustible spacers.

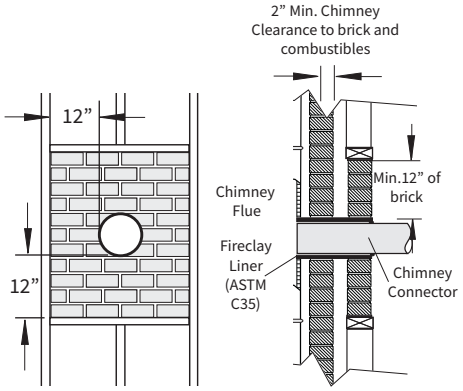


Figure 3. Bricked-in Fireclay Liner used as thimble

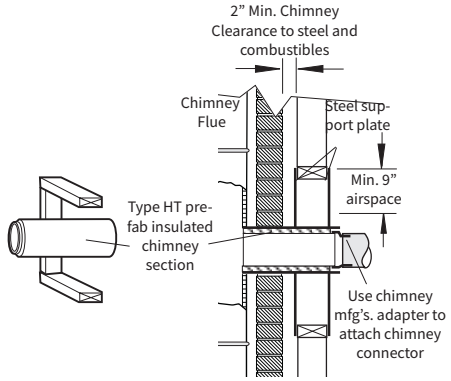


Figure 4. HT insulated prefab chimney section used as thimble.

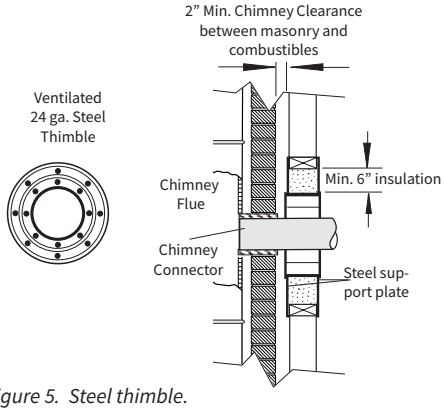


Figure 5. Steel thimble.

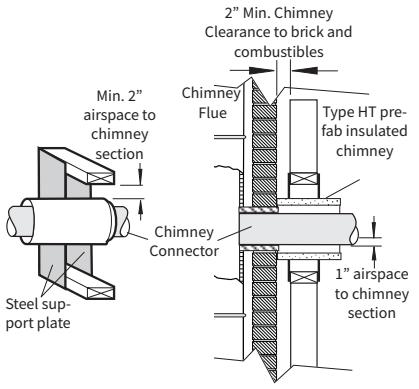


Figure 6. HT insulated prefab chimney section used as pass-through.

System A:
Minimum 3 1/2 in. thick brick masonry wall framed into combustible wall with a minimum of 12 in. brick separation from the clay liner to combustibles. A fireclay liner with a minimum 5/8" wall thickness shall run from the outer surface of the brick wall to, but not beyond, the inner surface of chimney flue liner and must be firmly cemented in place.

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

The inner end of the chimney length shall be flush with the inside of the masonry chimney flue and shall be sealed to the flue and to the brick masonry penetration with a non-water-soluble refractory cement. Supports shall be securely fastened to wall surfaces on both sides.

Fasteners between supports and the chimney length shall not penetrate the chimney liner.

System C:
Sheet steel chimney connector, minimum 24 ga. thickness, with a minimum 24 ga. ventilated steel thimble, having two 1 in. air channels, separated from combustibles by a minimum of 6 in. of fiberglass insulation. Opening shall be covered, and thimble supported with a sheet steel support, minimum 24 ga. in 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.

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

Minimum length of chimney section shall be 12 in. Chimney section concentric with and spaced 1 in. 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 ga. 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.

Chimney Connections

Masonry Chimney Connection

Connection to a masonry chimney is accomplished with use of a fireclay or steel thimble which must be securely cemented in place. The chimney connector must slide completely inside the thimble to the inner surface of the flue liner., but not into the flue area. See fig 7. Depending on the inside diameter of the thimble, it may be necessary to use a thimble sleeve between the thimble and the chimney connector pipe.

Never connect a stove to a chimney flue that is used by another appliance of any kind.

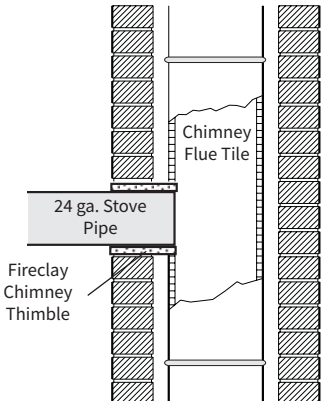


Figure 7.
Chimney connection to a masonry chimney flue.

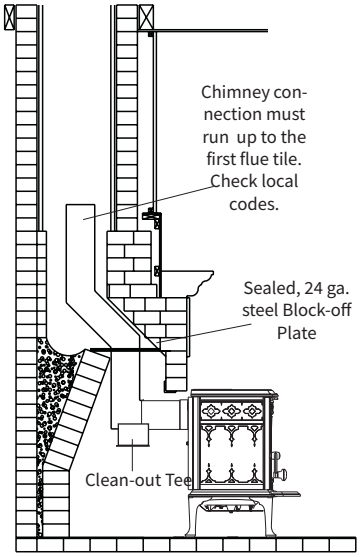


Figure 8. Connection to a masonry fireplace.

Hearthmount into a Masonry Fireplace

Your stove may be installed into a masonry fireplace in accordance with local building codes. To enable your stove to fit under a variety of lintel heights, an optional short leg kit is available for the F 500 stove which will reduce those stove heights by 2 1/4".

- The chimney must be thoroughly cleaned, inspected and any repairs made before installing the stove and chimney connection. If no tile liner is present, an approved, listed chimney relining system must be installed. Consult your dealer regarding the best system for your needs.
- NFPA 211 requires that the flue must be sealed off from the living area of the house by one of two methods:

  1. The fireplace damper is removed or permanently secured in the open position. A separate sheet metal block-off plate is installed in the damper area through which the chimney connector pipe will pass from the stove flue collar up to the chimney flue. See fig 8. Use high-temperature silicone to seal the seams around the plate, damper frame and connector pipe.

  2. An approved, listed chimney liner is installed between the stove flue collar and a sealed chimney cap. No block-off plate is required, however, the flue may be insulated at the damper area to prevent heat loss from the home.

Connecting to Prefabricated Chimney

Always follow the pipe manufacturer's instructions and use all of the components required. Most prefabricated chimney systems include a stove pipe adapter to provide a secure transition from the stovepipe to the chimney pipe. See fig.10 .

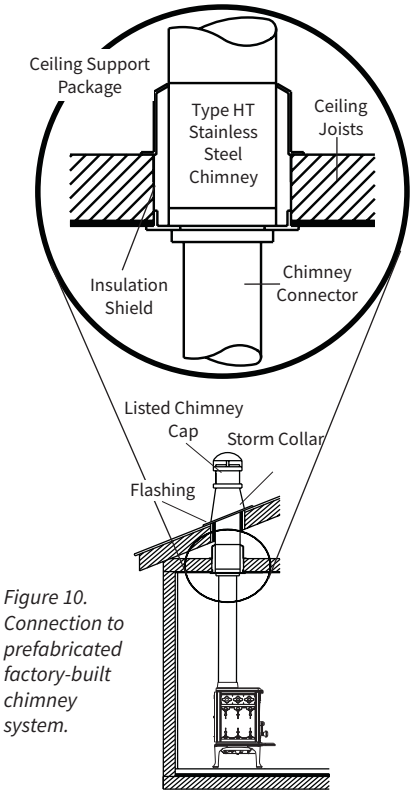


Figure 10.
Connection to prefabricated factory-built chimney system.

Clearance Guidelines

Clearance to Walls and Ceilings

All radiant stoves and fireplaces give off a tremendous amount of heat. Consequently, care must be taken to provide ample airspace between the heater and adjacent combustible materials. A combustible material is any that contains combustibles within or on its surface. All Jøtul wood-burning heaters are tested to national safety standards to determine the specific clearance for a variety of installation configurations. ***Note that stove clearances are measured from the top plate to the combustible surface - not the shield.***

Chimney connector (stovepipe) clearances must also be taken into consideration. These are measured from the pipe surface to the adjacent wall or ceiling.

Hearthmount installations will require that clearances be maintained between combustible mantels, trim and side walls. Note the specific clearances for each Jøtul heater on the individual product pages.

Reducing Clearances

Clearances can be reduced in two ways: install a heat shield on the stove or install a heat shield on walls, ceilings or mantels, conforming to guidelines established in the current editions of NFPA 211 for the U.S. and CAN/CSA B365 for Canada.

Stove and Chimney Connector Heat Shields

Our optional heat shields offer an easy way to reduce clearance to the rear of the stove. In the case of a top -exiting stove, the chimney connector may also require shielding. Most connector manufacturers provide these optional shields for easy attachment.

Double-wall Chimney Connector

Double-wall chimney connection pipe can also be used to achieve a reduced clearance. Where a tested clearance is not available for a particular stove, use the manufacturer's clearance.

Wall Shielding

Approved wall shielding materials include minimum 24 gauge sheet metal, 1/2 inch noncombustible insulation board, or brick laid flat. Any of these materials must be spaced 1 inch off the wall and be installed to provide a 1 inch air space at the top and bottom to allow full air circulation. In the U.S., this protection permits a 66% reduction from published clearances, but no closer than 12". See fig. 11.

Fireplace Mantel and Trim Clearances

Published mantel and trim clearances can be reduced by constructing shielding conforming to NFPA 211 or CAN/CSA-B365 standards. For example, in the U.S., installation of 24 ga. sheet metal shield spaced 1" off the mantel will enable a 50% reduction of the published clearance, but no closer than 18".

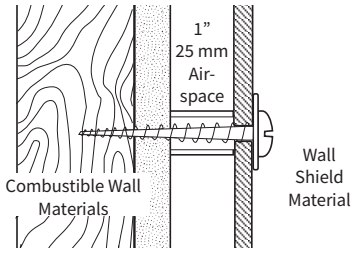


Figure 11. Shield spacer detail.

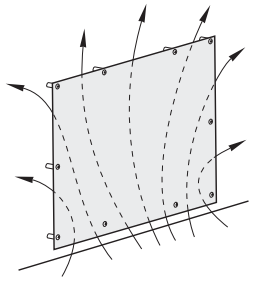


Figure 12. Open wall shield construction. Do not install spacers directly behind the stove or connector.

Floor Protection

Woodburning stoves and fireplaces installed on combustible floors require specific floor protection. Any floor that is not masonry on earth must be considered to be combustible. The floor protector will serve to prevent fire hazard from wayward sparks and embers and also provide a barrier to the long term effects of radiant heat. You can either purchase a listed prefabricated hearth pad or construct your own following NFPA 211 guidelines. Bottom Heat Shields are included with all Jøtul woodstoves to provide an additional measure of floor protection as specified in the installation manual.

Floor protection dimensions vary depending upon the size of the unit and whether or not it has a side load door. Generally, hearth protection must extend 18" from any loading door opening. This requirement is reduced to 16" in the U.S. only for Jøtul model F 602. Check the individual product pages for specific dimensions.

Fireplace Hearths

A hearthmount installation may require additional protection beyond the original fireplace hearth if it does not meet the minimum dimensions. Be sure to confirm that the fireplace hearth is large enough to accommodate the stove or insert.

Alcove Installations

Jøtul freestanding stoves are approved for installation into Alcoves constructed with combustible materials following these requirements:

1. The stove must be installed with the chimney connector, rear, and bottom heat shields as specified in the installation manual for that specific stove.
2. Wall protection, if used, must be installed on both sides and rear walls and conform to NFPA 211 or CAN/CSA-B365. It must be elevated 1" from the floor and be spaced at least 1" from the wall using noncombustible spacers to allow air circulation behind the shield.
3. The height of the wall protection will vary from stove to stove. Check the individual product pages for specific dimensions.
4. Alcove floor protection must consist of a UL/ULC or WHI listed hearth pad or a noncombustible material having a minimum R-value as specified for a particular model.
5. Note that ceiling height specifications will also vary from stove to stove and depend on whether or not ceiling protection is used. Check the individual product pages for specific dimensions.

Jøtul F 602 CB V3

Heat Output Range:[1] 5,994 to 23,415 BTU/hr.
Max. Heat Output: 28,000 BTU/hr.
Heating Capacity:[2] Up to 800 sq. ft.
Maximum Burn Time:[2] Up to 5 hours
EPA Efficiency:[3] **HHV:** 76.7% **LHV:** 82.9%
CO Emissions:[4] 1.3 g/min.
Particulate Emissions:[5] 1.4 g/hr.
Fuel Length: Up to 16" Logs
Weight: 160 lbs.

Bottom Heat Shield included

Not approved for mobile homes.

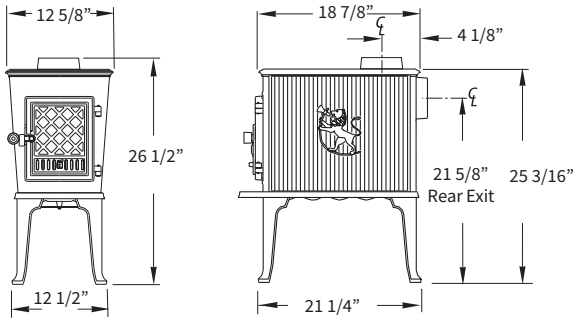


Figure 14. F 602 overall dimensions. See clearance chart on page 11 for flue collar centerlines.

Optional Accessories

- Rear Heat Shield #HS-50
  - for top-exit installations only
- Stovetop Thermometer #5002
- Fresh Air Kit #156408

Hearth Protection

The supplied bottom heat shield must be installed onthe stove.

• Floor protection under the stove must be composed of a type I continuous, non-combustible materials for protection against sparks and embers as required in NFPA 211.

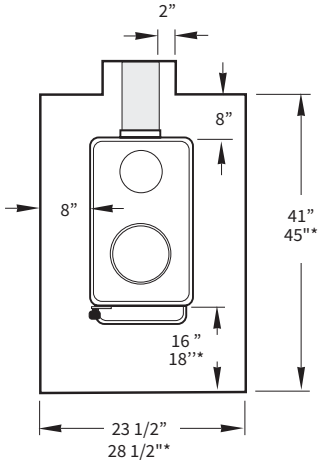


Figure 13. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

Alcove Installation Requirements

- The Bottom Heat Shield must be installed.
- Hearth protection material must consist of:

Type 1 hearth protection / ember protection as required in NFPA 211..

- If used, wall protection must extend 41" from the floor, including bottom air space. Both side and rear walls must be protected.
- Alcove Ceiling and Chimney Connector Clearances: Fig. 18.

Fireplace Clearances

A: Stove to Mantel, max. depth 8": 30"

B: Stove to Top Trim, 1" thick or less: 21"

C: Stove to Side Trim, 1" thick or less: 18"

D: Unit to Side Wall : 24"

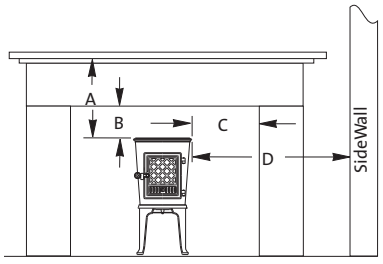


Figure 15. Fireplace Clearances.

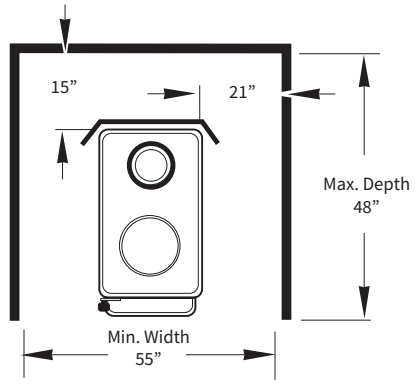


Figure 16. Alcove with double-wall pipe and Rear Heat Shield - No wall protection.

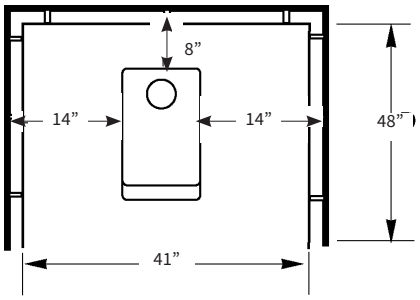


Figure 17. Alcove stove clearance with Double-wall pipe and wall protection.

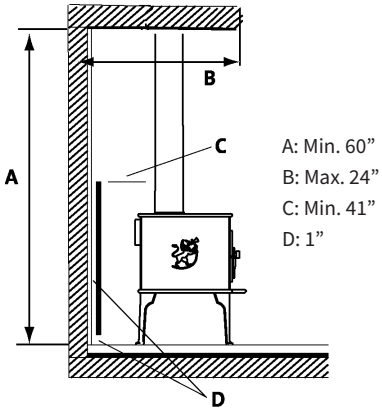


Figure 18 . Alcove Ceiling and Connector Clearance.

1 ***Heat Output Range*** results are determined during specific emissions tests established by the EPA.

2 ***Heating Capacity and Maximum Burn Time*** will vary depending on design of home, climate, wood type and operation

3 ***EPA Validated Efficiency:***
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted.

LHV efficiency assumes all the water vapor in combustion gas was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value.

4 ***Carbon Monoxide Emissions*** rate results from Test Method CSA B415.1-10.

5 ***Particulate Emissions*** rate is obtained using EPA Test Methods: ALT-125 (Cordwood Fuel), ASTM E2515-11, ASTM E3053-17

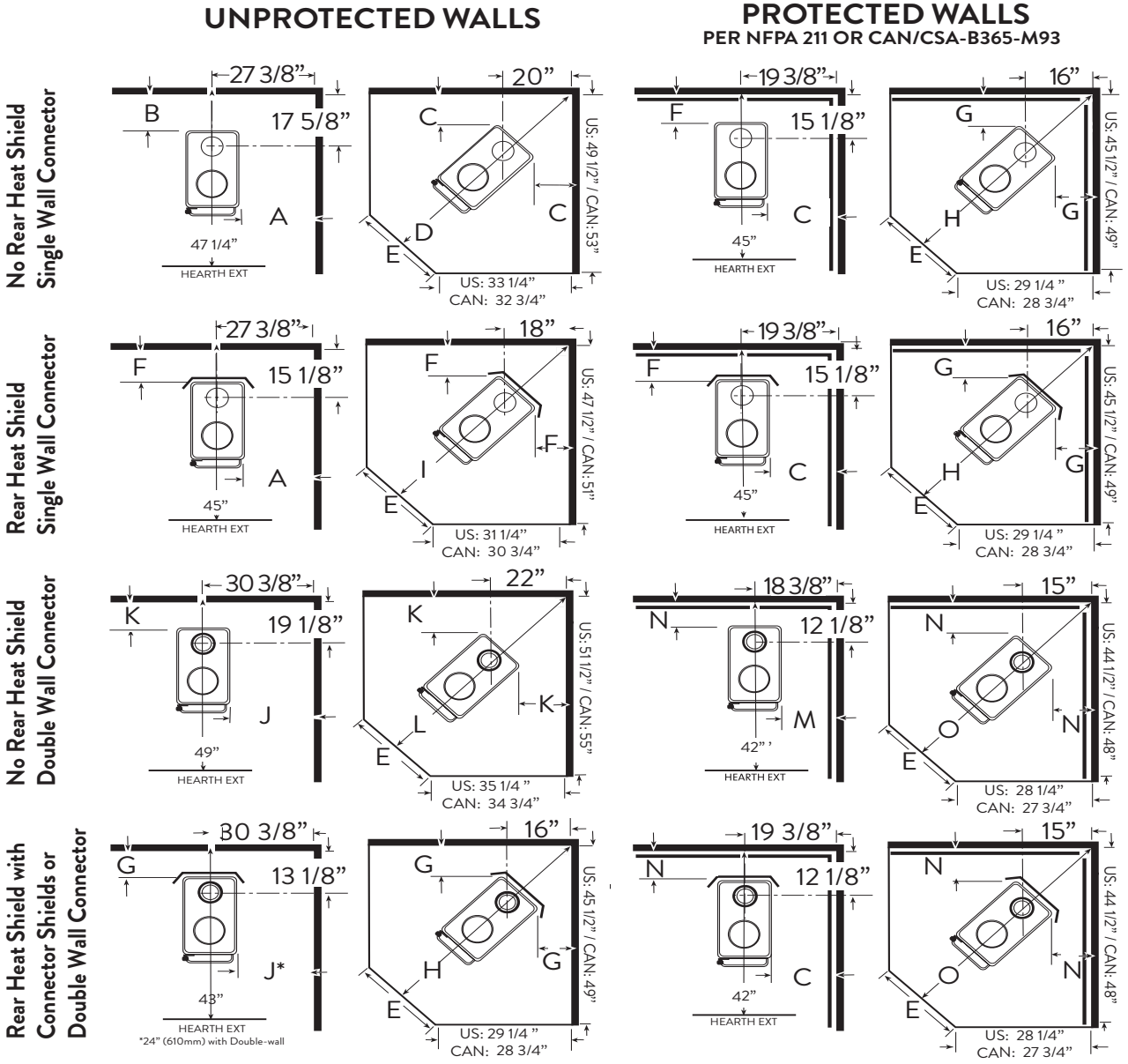
Stove Clearance Diagrams

Jøtul F 602 CB V3

	UNPROTECTED WALLS					PROTECTED WALLS PER NFPA211 OR CAN/CSA- B365-M93				
	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**
Single Wall Connector No Heat Shield	A 21"	B 13 1/2''	C 13"	D US: 58 1/2'' CAN: 60 1/2''	E US: 22 7/8" CAN: 28 5/8''	C 13"	F 11"	G 9"	H US: 52 7/8'' CAN: 54 7/8''	E US: 22 7/8" CAN: 28 5/8''
Single Wall Connector w/Rear Heat Shield	A 21"	F 11"	F 11"	I US: 55 3/4'' CAN: 57 3/4''	E US: 22 7/8" CAN: 28 5/8''	C 13"	F 11"	G 9"	H US: 52 7/8'' CAN: 54 7/8''	E US: 22 7/8" CAN: 28 5/8''
Double Wall Connector No Heat Shield	J 24"	K 15 "	K 15 "	L US: 61 3/8'' CAN: 63 3/8''	E US: 22 7/8" CAN: 28 5/8''	M 12"	N 8"	N 8"	O US: 51 1/2'' CAN: 53 1/2''	E US: 22 7/8" CAN: 28 5/8''
Double Wall Connector w/Rear Heat Shield	J 24"	G 9"	G 9"	H US: 52 7/8'' CAN: 54 7/8''	E US: 22 7/8" CAN: 28 5/8''	C 13"	N 8"	N 8"	O US: 51 1/2'' CAN: 53 1/2''	E US: 22 7/8" CAN: 28 5/8''

*F602 CB V2 NOTE: 1) Hearth Extension calculations include the protection requirement measured forward from the door glass pane
2) Rear Exit chimney connection assumes the connector pipe exits from the rear of the stove connecting directly to the chimney. If rear vented to a vertical run, the stove position will be dictated by the connector pipe clearance.

**US and CAN measurements are not the same and are not interchangeable.



NOTE: Figures are not to scale

Jøtul F 445 Holliday

Heat Output Range:[1] 13,726 to 35,722 BTUhr.
Max. Heat Output: Up to 55,000 BTU/hr.
Heating Capacity:[2] Up to 1600 sq. ft.
Maximum Burn Time:[2] Up to 9 hours
EPA Efficiency:[3] **HHV:** 72% **LHV:** 78%
CO Emissions:[4] .60 g/min.
Particulate Emissions:[5] .49 g/hr.
Fuel Length: Up to 20” Logs
Weight: 418 lbs

Optional Accessories

- Rear Heat Shield #158374
- Outside Air Kit #154335
- Blower Kit #156431
- Floor Bracket Kit #7503040
- Stovetop Thermometer #5002
- Short Leg Kit #350074

Bottom Heat Shield included

Hearth Protection

A Bottom Heat Shield is provided with the stove and needs to be installed. Follow these guidelines to form approved hearth protection:

- The hearth protection must extend 16” US. 18" CAN from the front door opening.
- Any UL, ULC or Warnock-Hersey Type I listed hearth board or ember protection.
- A Bottom Heat Shield is required for alcove installation.

Fig. 1.1

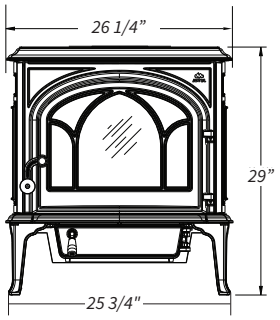


Fig. 1.2

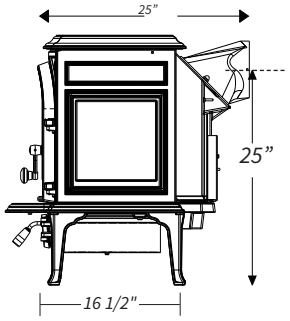


Figure 48 . F 445 Holliday dimensions. See clearance chart for flue collar centerline positions.

Alcove Installation Requirements

- Chimney connection requires listed double-wall pipe.
- Optional Bottom Heat Shield must be installed.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum R value of 1.6.
- If used, wall protection must extend 48” (122 cm) from the floor, including bottom air space.
- Min. Ceiling & Connector Clearance, Fig. 52.

  Top or Rear Exit from hearth

  Unprotected: 70”
  Protected: 44”

Fireplace Clearances

A: Stove to Mantel, max. depth 12”: 30”

B: Stove to Top Trim, 1” thick or less: 16”

C: Stove to Side Trim, 1” thick or less: 12”

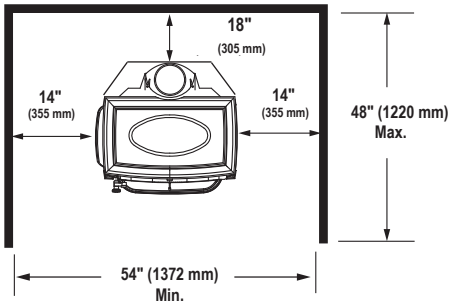
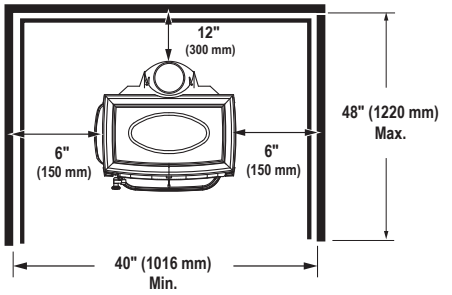
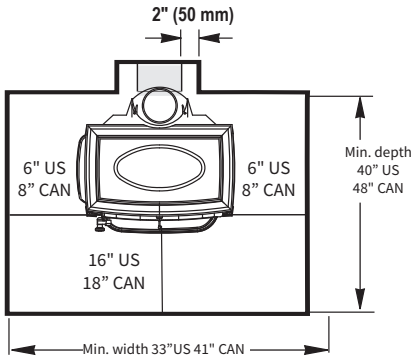


Figure 5o. Alcove with unprotected wall clearances.





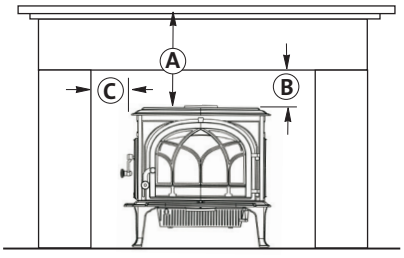


Figure 49. Mantel & Trim Clearances.

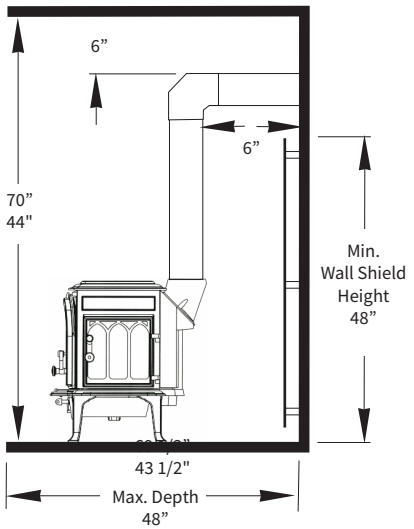


Figure 52. Alcove Ceiling and Double-wall Connector Clearances.

1 ***Heat Output Range*** results are determined during specific emissions tests established by the EPA.

2 ***Heating Capacity and Maximum Burn Time*** will vary depending on design of home, climate, wood type and operation

3 ***EPA Validated Efficiency:***
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted.

LHV efficiency assumes all the water vapor in combustion gas was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value.

4 ***Carbon Monoxide Emissions*** rate results from Test Method CSA B415.1-10.

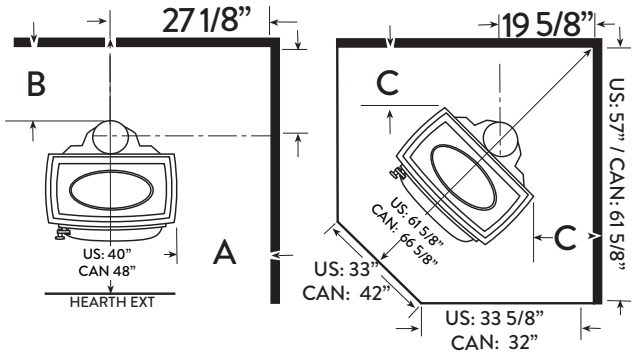
5 ***Particulate Emissions*** rate is obtained using EPA Test Methods: ALT-125 (Cordwood Fuel), ASTM E2515-11, ASTM E3053-17

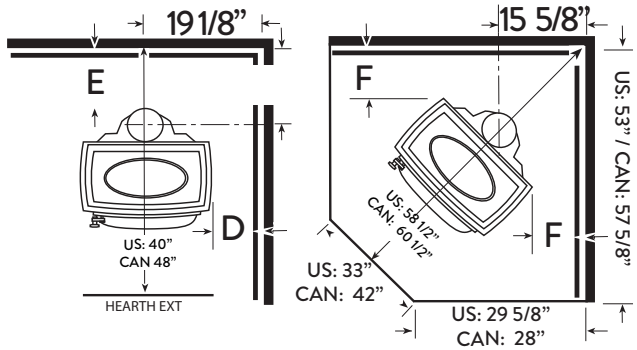
Stove Clearance	Unprotected surface			Protected surface*		
	Side	**Rear**	**Corner**	**Side**	**Rear**	**Corner**
Stove - no heat shield Single-wall pipe	14" **A** 356mm	16" **B** 406mm	13" **C** 330mm	6" **D** 152mm	12" **E** 305mm	9" **F** 230mm
Stove with rear heat shields and single-wall pipe	14" **A** 356mm	10" **G** 255mm	9" **F** 230mm	6" **D** 152mm	10" **G** 255mm	9" **F** 230mm
Stove with rear heat shield and connector shields or double-wall pipe	14" **A** 356mm	6" **D** 152mm	9" **F** 230mm	6" **D** 152mm	6" **D** 152mm	6" **D** 152mm

UNPROTECTED WALLS

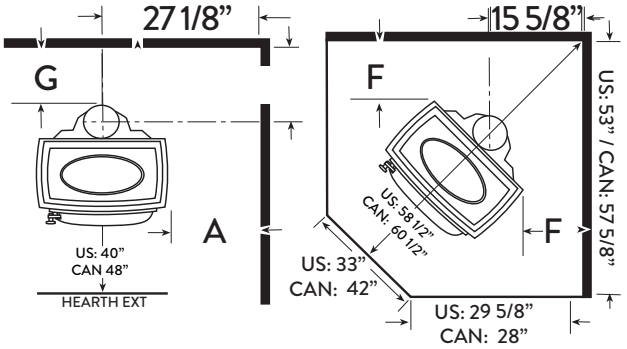
PROTECTED WALLS
PER NFPA 211 OR CAN/CSA-B365-M93

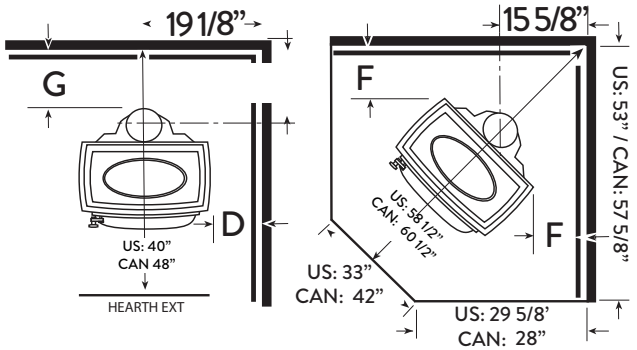
Single Wall Pipe No Heatshields



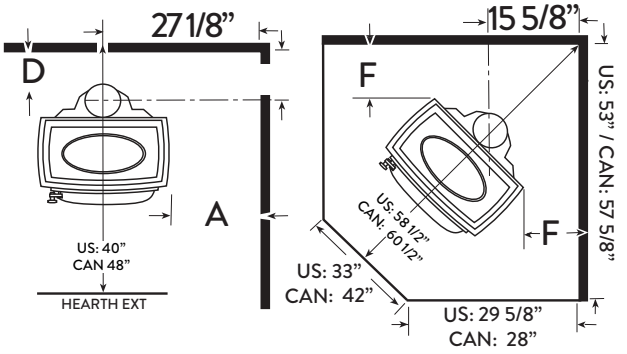


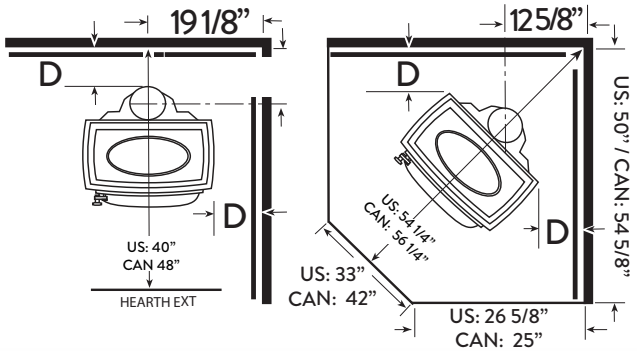
Single Wall Pipe w/ Heatshields





Stove with Rear Heatshield or Double Wall Pipe





Jøtul F 500 Oslo V3

Heat Output Range:[1] 13,200 to 37,000 BTUhr.
Max. Heat Output: Up to 70,000 BTU/hr.
Heating Capacity:[2] Up to 2000 sq. ft.
Maximum Burn Time:[2] Up to 9 hours
EPA Efficiency:[3] **HHV:** 78.40% **LHV:** 84.73%
CO Emissions:[4] .50 g/min.
Particulate Emissions:[5] .50 g/hr.
Fuel Length: Up to 24" Logs
Weight: 445 lbs

For a detailed combustor cleaning video scan the above code or go to https://www.youtube.com/watch?v=-fRnjMtt3pE

Optional Accessories

- Rear Heat Shield #154332
- Outside Air Kit #154335
- Blower Kit #156431
- Floor Bracket Kit #750304
- Side Door Lock Kit #155850
- Stovetop Thermometer #5002
- Short Leg Kit #350074

Bottom Heat Shield included

Hearth Protection

A Bottom Heat Shield is provided with the stove. Follow these guidelines to form approved hearth protection:

- Any UL, ULC or Warnock-Hersey Type I listed hearth board or ember protection.
- A Bottom Heat Shield is required for alcove installation.

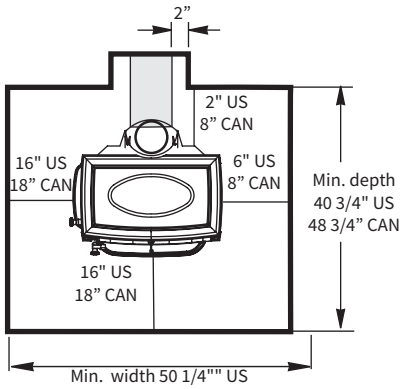


Figure 47. Minimum Hearth Dimensions.

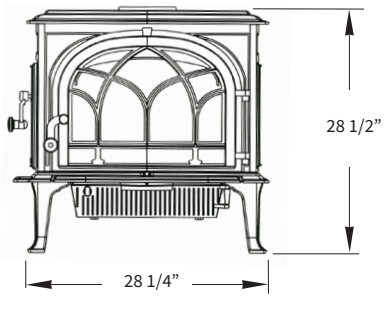


Figure 48 . F 500 Oslo dimensions. See clearance chart for flue collar centerline positions.

Alcove Installation Requirements

- **The side load door must be locked closed unless a 36" clearance can be maintained to that side.** Use Side Door Lock Kit #155850 to permit installation.
- Chimney connection requires listed double-wall pipe.
- Optional Bottom Heat Shield must be installed.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum R value of 1.6.
- If used, wall protection must extend 48" (122 cm) from the floor, including bottom air space.
- Min. Ceiling & Connector Clearance, Fig. 52.

  Top or Rear Exit from hearth

  Unprotected: 69 1/2"
  Protected: 43 1/2"

Fireplace Clearances

A: Stove to Mantel, max. depth 12": 30"

B: Stove to Top Trim, 1" thick or less: 16"

C: Stove to Side Trim, 1" thick or less: 12"

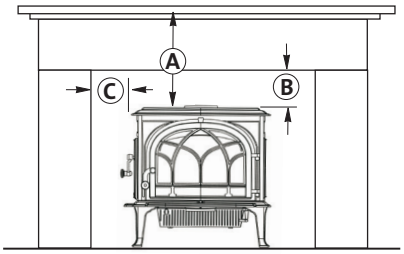


Figure 49. Mantel & Trim Clearances.

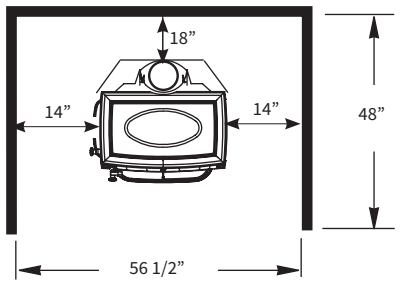


Figure 5o. Alcove with unprotected wall clearances.

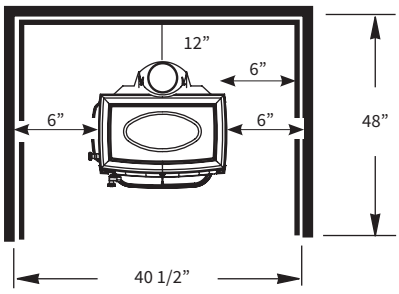


Figure 51. Alcove with protected wall clearances.

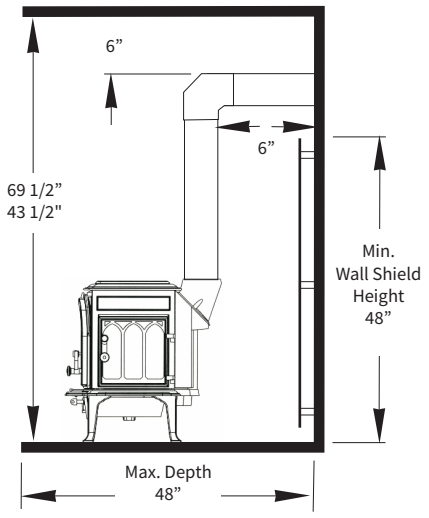


Figure 52. Alcove Ceiling and Double-wall Connector Clearances.

1 ***Heat Output Range*** results are determined during specific emissions tests established by the EPA.

2 ***Heating Capacity and Maximum Burn Time*** will vary depending on design of home, climate, wood type and operation

3 ***EPA Validated Efficiency:***
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted.

LHV efficiency assumes all the water vapor in combustion gas was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value.

4 ***Carbon Monoxide Emissions*** rate results from Test Method CSA B415.1-10.

5 ***Particulate Emissions*** rate is obtained using EPA Test Methods: ALT-125 (Cordwood Fuel), ASTM E2515-11, ASTM E3053-17

Stove Clearance Diagrams

Jøtul F 500 Oslo V3

	UNPROTECTED WALLS					PROTECTED WALLS PER NFPA211 OR CAN/CSA- B365-M93				
	SIDE	REAR	CORNER*	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**	SIDE	REAR	CORNER*	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**
Single Wall Pipe No Heatshields	A 14"	B 18"	C 13"	D US: 65 1/2'' CAN: 67 1/2''	E US: 34 1/8" CAN: 44 1/4''	G 6"	F 12"	H 9"	I US: 59 7/8" CAN: 61 7/8''	E US: 34 1/8" CAN: 44 1/4''
Single Wall Pipe w/Rear Heatshield	A 14"	J 10"	H 9"	I US: 59 7/8" CAN: 61 7/8''	E US: 34 1/8" CAN: 44 1/4''	G 6"	J 10"	H 9"	I US: 59 7/8" CAN: 61 7/8''	E US: 34 1/8" CAN: 44 1/4''
Stove with Rear Heatshield With connector shield	A 14"	G 6"	H 9"	I US: 59 7/8" CAN: 61 7/8''	E US: 34 1/8" CAN: 44 1/4''	G 6"	G 6"	G 6"	K US: 55 5/8'' CAN: 57 5/8''	E US: 34 1/8" CAN: 44 1/4''
Double Wall Pipe with Rear Heatshield	A 14"	G 6"	H 9"	I US: 59 7/8" CAN: 61 7/8''	E US: 34 1/8" CAN: 44 1/4''	G 6"	G 6"	G 6"	K US: 55 5/8'' CAN: 57 5/8''	E US: 34 1/8" CAN: 44 1/4''

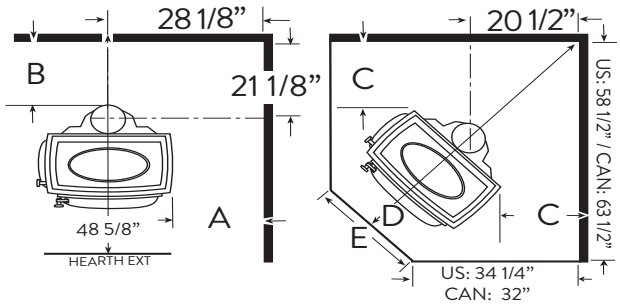
*Use of the left side load door is prohibited in Alcove and Corner installations. Use Side Door Lock Kit # 155850 to permit installation.

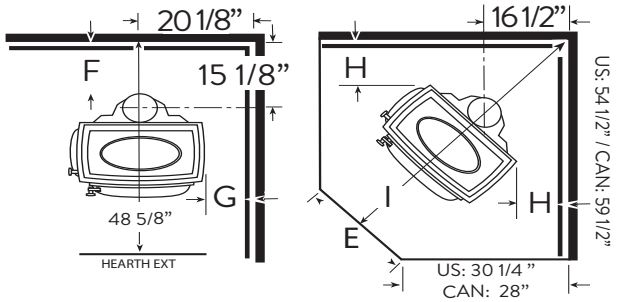
**US and CAN measurements are not the same and are not interchangeable.

UNPROTECTED WALLS

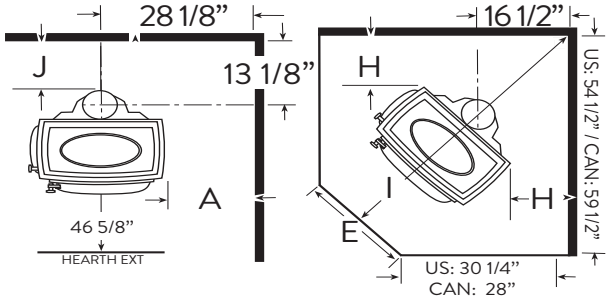
PROTECTED WALLS
PER NFPA 211 OR CAN/CSA-B365-M93

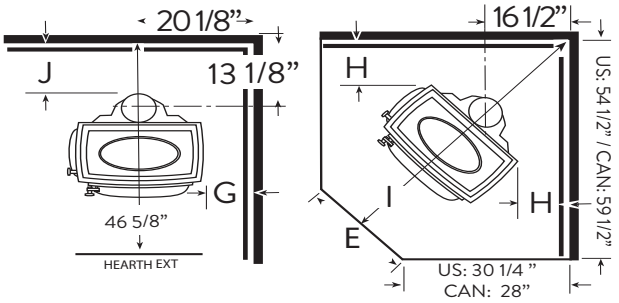
Single Wall Pipe No Heatshields



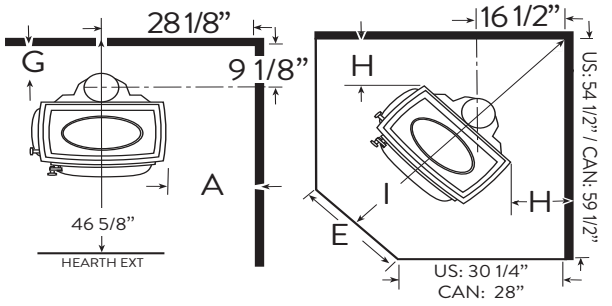


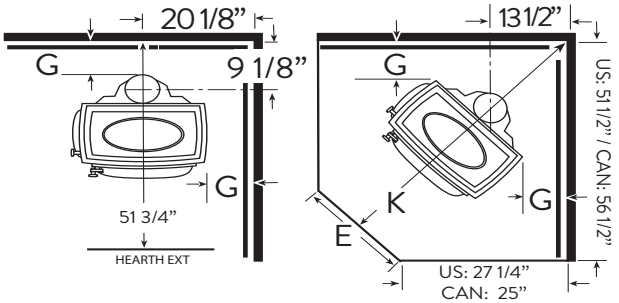
Single Wall Pipe w/ Heatshields



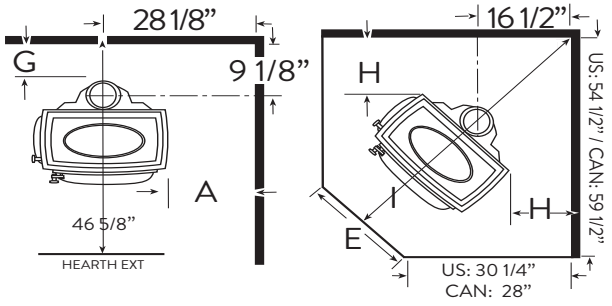


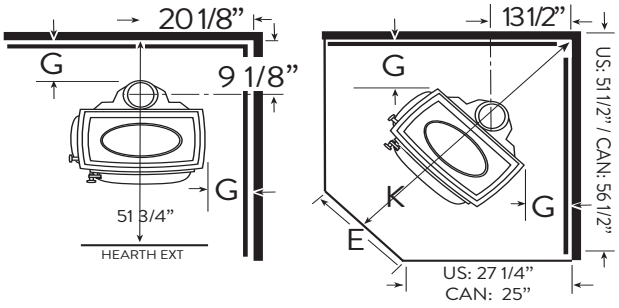
Stove with Rear Heatshield w/connector shield





Double wall pipe w/ Rear Heatshield





NOTE: Figures are not to scale

Jøtul F 35 V2 Rockwood

Heat Output Range:[1] 13,533 to 59,433 BTU/hr.
Heating Capacity:[2] Up to 1,200 sq. ft.
Maximum Burn Time:[2] Up to 6 3/4 hours
EPA Efficiency:[3] **HHV:** 68.5 % **LHV:** 73.67%
CO Emissions:[4] 1.35 g/min
Pariculate Emissions:[5] 1.2 g/hr - Cord Wood
Fuel Length: Up to 16" Logs
Weight: 365 lbs

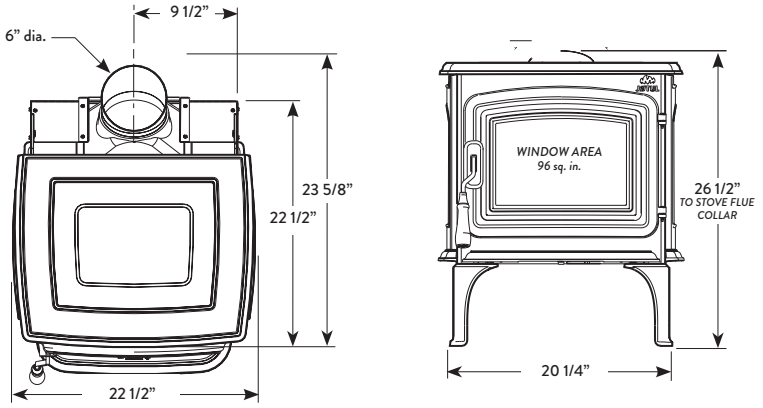


Figure 60. F 45 Greenville dimensions. See clearance chart for flue collar centerline positions.

Note: Short Leg kit 157636 reduces the height by 3 1/4".

Optional Accessories

- Stove Gloves #157363
- Stove Top Thermometer #5002
- Outside Air Kit #157637
- Mobile Home Bracket Kit #157321
- Short Leg Kit #157636
- Double Wall Pipe Adapter Kit #158389
  Bottom Heat Shield included

Hearth Protection

Any floor that is not composed of concrete poured on earth requires protection from sparks and embers. The Jøtul F 45 Greenville is approved for installation using one of the following forms of hearth protection:

- Any UL, ULC, or Warnock Hersey Listed Type 1 hearth board.
- Any noncombustible material.
- Hearth protection must extend 8" from the sides and back and 16" from the front door opening (18" in Canada)
- In a rear vent installation, floor protection must also extend under the stove pipe a minimum of 2" beyond either side. See figure 59.

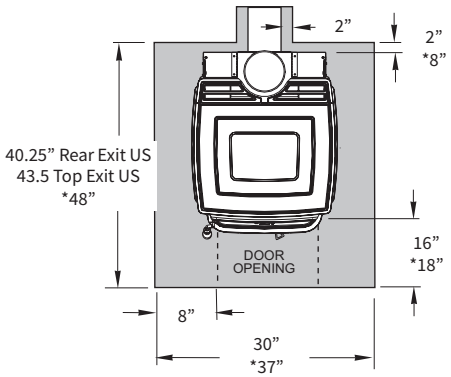


Figure 59. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

Alcove Installation Requirements

- Short Leg option is not approved for use in Alcove installations.
- Chimney connection requires listed double-wall pipe.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum R value of 0.5.
- If used, wall protection must extend 48" from the floor, including bottom air space.
- Min. Ceiling & Connector Clearance, **Fig. 64.**

  Top or Rear Exit from hearth
  Unprotected: 72"
  Protected: 65"

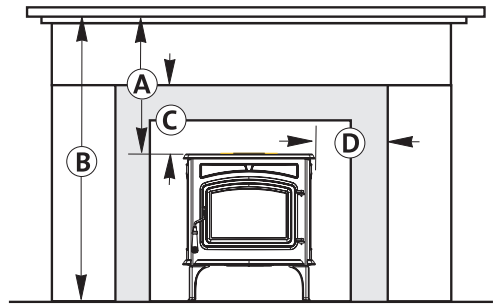
Fireplace Clearances - Fig. 61

A: Stove to Mantel, max. depth 12": 20"

B: Floor to Mantel: 46"

C: Stove to Top Trim, 1" thick or less: 16"

D: Stove to Side Trim, 1" thick or less: 8"



A: Unit to Mantel (12 in. deep) - **20 in.**
B: Floor to Mantel - **46 in.**
C: Stove to 1 in. Top Trim - **16 in.**
D: Stove to 1 in. Side Trim - **8 in.**
Non-combustible Material

Figure 61. Mantel & Trim Clearances.

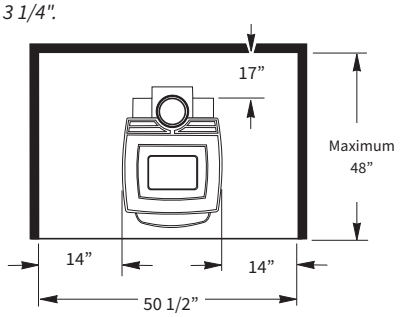


Figure 62. Alcove with no wall protection.

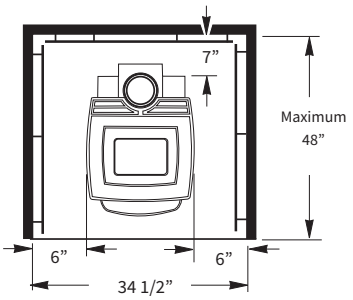


Figure 63. Alcove with wall protection.

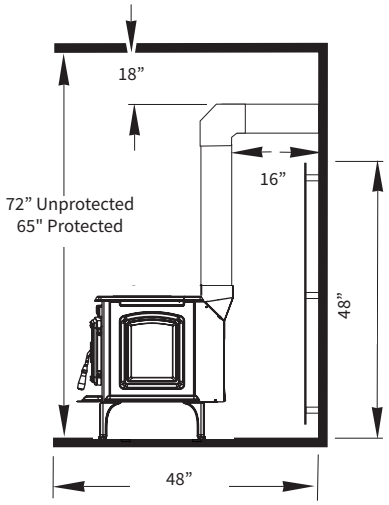


Figure 64. Alcove Ceiling and Double-wall Connector Clearances.

1 ***Heat Output Range*** results are determined during specific emissions tests established by the EPA.

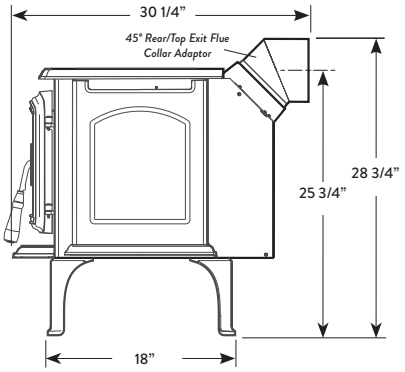
2 ***Heating Capacity and Maximum Burn Time*** will vary depending on design of home, climate, wood type and operation

3 ***EPA Validated Efficiency:***
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted.

LHV efficiency assumes all the water vapor in combustion gas was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value.

4 ***Carbon Monoxide Emissions*** rate results from Test Method CSA B415.1-10.

5 ***Particulate Emissions*** rate is obtained using EPA Test Methods: ALT-125 (Cordwood Fuel), ASTM E2515-11, ASTM E3053-17



Note: Short Leg kit 157636 reduces the height by 3 1/4".

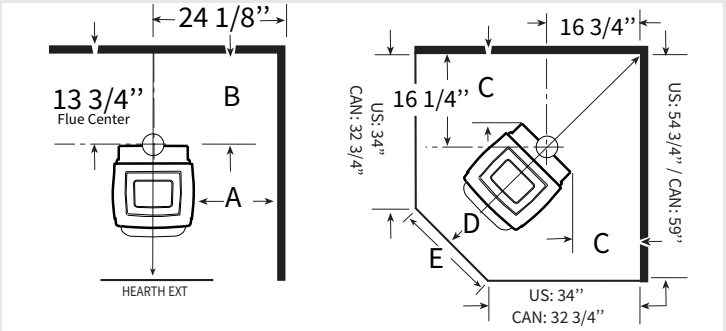
	UNPROTECTED WALLS					PROTECTED WALLS PER NFPA211 OR CAN/CSA-B365-M93				
	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**
Single Wall Connector	A 13"	B 14"	C 10"	D US: 62 1/2" CAN: 64 1/2"	E US: 29 5/8" CAN: 37"	F 4"	G 6"	H 4"	I US: 54" CAN: 56"	J US: 29 5/8" CAN: 37"
Double Wall Connector	A 13"	K *	C 9"*	L US: 61" CAN 63"	E US: 29 5/8" CAN: 37"	F 4"	N *	M 4"*	I US: 54" CAN: 56"	J US: 29 5/8" CAN: 37"

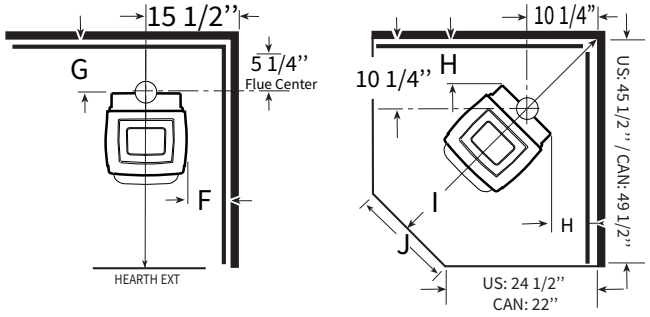
** US and CAN measurements are not the same and are not interchangeable.

UNPROTECTED WALLS

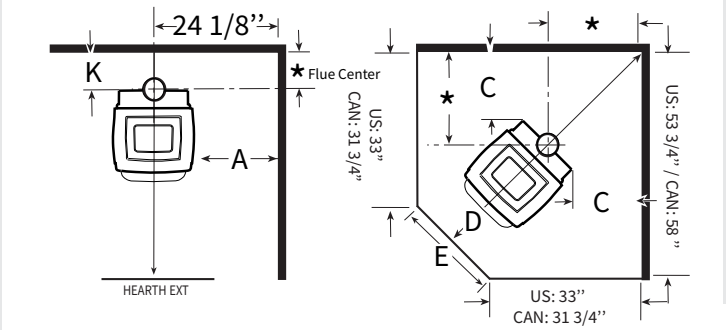
PROTECTED WALLS
PER NFPA 211 OR CAN/CSA-B365-m93

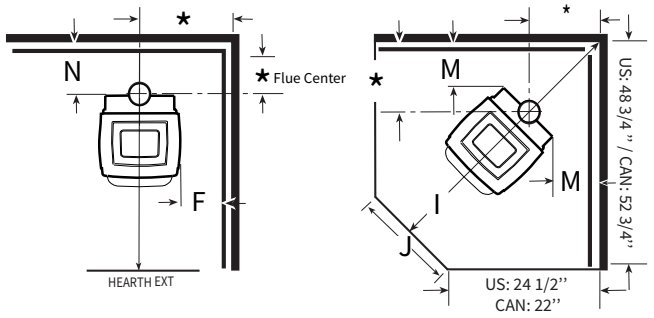
Single Wall Connector





Double Wall Connector





NOTE: Drawings not to scale

Figure 14.

Table A

F 35 with Double Wall Chimney Connector Installation Specifications

K	**Standard Install without wall protection**			**Front Edge of Hearth Extension From Rear Wall**	
	Brand	Backwall with DW Pipe at 6”	Centerline from backwall	U.S.	Canada
	ICC	10 ⅛” (257mm)	9 ⅛” (232mm)	48 ⅜” (1229mm)	52 ¾” (1340mm)
	Ventis	11 ⅞” (302mm)	9 ½” (241mm)	50 ⅛” (1273mm)	55 ⅛” (1400mm)
	Security	10 ⅞” (276mm)	9 ⅛” (232mm)	49 ⅛” (1248mm)	56 ⅛” (1426mm)
	Selkirk	10 ⅜” (264mm)	9 ⅜” (238mm)	48 ⅝” (1235mm)	56 ⅜” (1432mm)
	DuraVent	11 ⅜” (289mm)	9 ⅜” (238mm)	49 ⅝” (1260mm)	56 ⅞” (1445mm)
N	**Standard Install with wall protection**			**Front Edge of Hearth Extension From Rear Wall**	
	Brand	Backwall with DW Pipe at 2 ⅜”	Centerline from backwall	U.S.	Canada
	ICC	6 ½” (165mm)	5 ½” (140mm)	44 ¾” (1137mm)	49 ⅛” (1248mm)
	Ventis	8 ¼” (210mm)	5 ⅞” (149mm)	46 ½” (1181mm)	51 $^{7}/_{16}$” (1307mm)
	Security	7 ¼” (184mm)	5 ½” (140mm)	42 ½” (1080mm)	52 ½” (1334mm)
	Selkirk	6 ¾” (171mm)	5 ¾” (146mm)	45” (1143mm)	52 ¾” (1340mm)
	DuraVent	7 ¾” (197mm)	5 ¾” (146mm)	46” (1168mm)	53 ¼” (1353mm)

C	**Corner Installation at 9” without wall protection**	
	Brand	Chimney Centerline dimension
		From corner and wall
	ICC	15 ¼” (387mm)
	Ventis	14 ¼” (362mm)
	Security	14 ⅜” (365mm)
	Selkirk	12 ¼” (311mm)
	DuraVent	11 ¾” (298mm)

M	**Corner Installation at 4” with wall protection**	
	Brand	Chimney Centerline dimension
		From corner and wall
	ICC	10 ¼” (260mm)
	Ventis	9 ¼” (235mm)
	Security	9 ⅝” (244mm)
	Selkirk	9” (229mm)
	DuraVent	9 ½” (241mm)

Note: Double walled pipe requires the use of a double wall 45° adapter. DO NOT USE THE SUPPLIED SINGLE WALL 45° ADAPTER. CONNECTING DOUBLE WALL PIPE TO A SINGLE WALL ADAPTER WILL VIOLATE SAFETY COMPLIANCE.

Jøtul F 45 V2 Greenville

Heat Output Range:[1]	16,748 to 58,657 BTU/hr.
Max. Heat Output:	55,000 BTU/hr.
Heating Capacity:[2]	Up to 1,800 sq. ft.
Maximum Burn Time:[2]	Up to 10 hours
EPA Efficiency:[3]	**HHV:** 71 % **LHV:** 76.55%
CO Emissions:[4]	1.48 g/min
Pariculate Emissions:[5]	1.80 g/hr - Cord Wood
Fuel Length:	Up to 18" Logs
Weight:	445 lbs

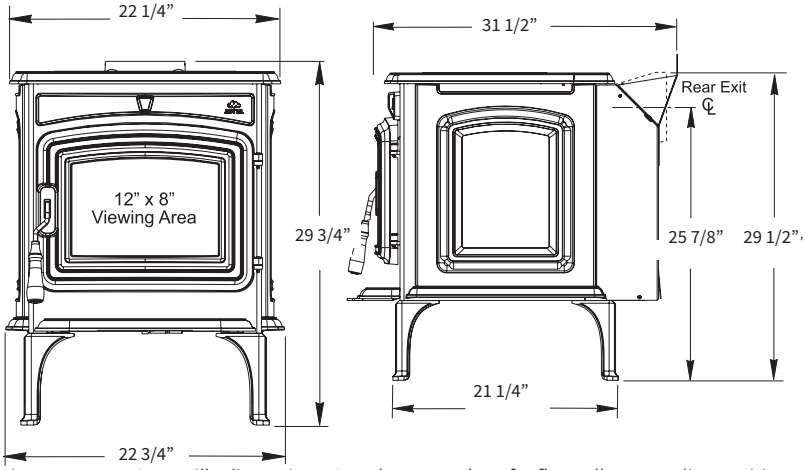


Figure 60. F 45 Greenville dimensions. See clearance chart for flue collar centerline positions. Note: Short Leg kit reduces the height by 3 1/4".

Optional Accessories

- Stove Gloves #157363
- Stove Top Thermometer #5002
- Outside Air Kit #157637
- Mobile Home Bracket Kit #157321
- Blower Kit #156431
- Short Leg Kit #157636
  Bottom Heat Shield included

Hearth Protection

Any floor that is not composed of concrete poured on earth requires protection from sparks and embers. The Jøtul F 45 Greenville is approved for installation using one of the following forms of hearth protection:

- Any UL, ULC, or Warnock Hersey Listed Type 1 hearth board.
- Any noncombustible material.
- Hearth protection must extend 8" from the sides and back and 16" from the front door opening (18" in Canada)
- In a rear vent installation, floor protection must also extend under the stove pipe a minimum of 2" beyond either side. See figure 59.

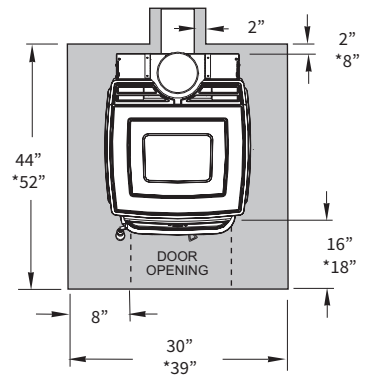


Figure 59. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

Alcove Installation Requirements

- Short Leg option is not approved for use in Alcove installations.
- Chimney connection requires listed double-wall pipe.

Alcove floor protection must consist of a Type I or Type II, UL/ULC 1618 or WHI listed hearth pad or a non-combustible material.•

If used, wall protection must extend 48" from the floor, including bottom air space.

- Min. Ceiling & Connector Clearance, **Fig. 64.**

Top or Rear Exit from hearth
Unprotected: 72"
Protected: 65"

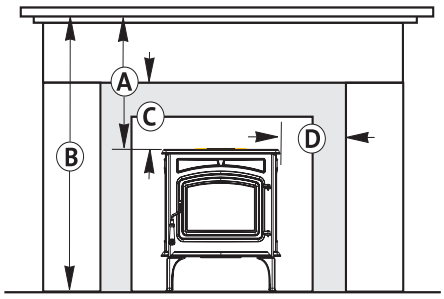
Fireplace Clearances - Fig. 61

A: Stove to Mantel, max. depth 12": 20"

B: Floor to Mantel: 49.75"

C: Stove to Top Trim, 1" thick or less: 16"

D: Stove to Side Trim, 1" thick or less: 8"



A: Unit to Mantel (12 in. deep) - 20 in.
B: Floor to Mantel - 49.75 in.
C: Stove to 1 in. Top Trim - 16 in.
D: Stove to 1 in. Side Trim - 8 in.
Non-combustible Material

Figure 61. Mantel & Trim Clearances.

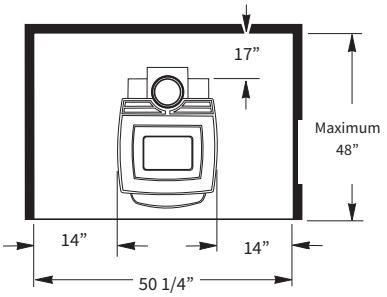


Figure 62. Alcove with no wall protection.

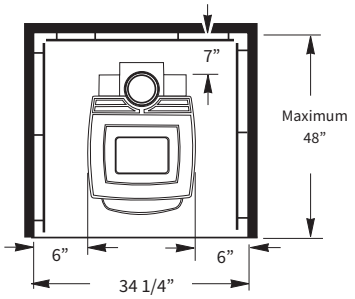


Figure 63. Alcove with wall protection.

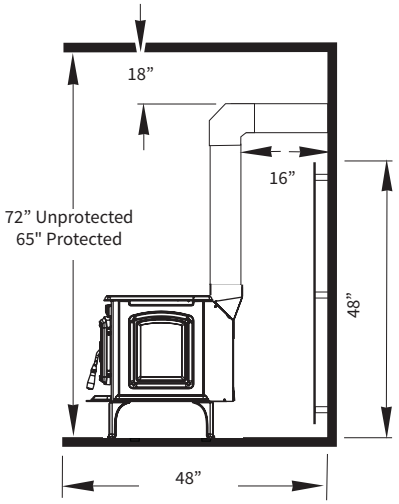


Figure 64. Alcove Ceiling and Double-wall Connector Clearances.

1 ***Heat Output Range*** results are determined during specific emissions tests established by the EPA.

2 ***Heating Capacity and Maximum Burn Time*** will vary depending on design of home, climate, wood type and operation

3 ***EPA Validated Efficiency:***
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted.

LHV efficiency assumes all the water vapor in combustion gas was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value.

4 ***Carbon Monoxide Emissions*** rate results from Test Method CSA B415.1-10.

5 ***Particulate Emissions*** rate is obtained using EPA Test Methods: ALT-125 (Cordwood Fuel), ASTM E2515-11, ASTM E3053-17

Jøtul F 45 V2 Greenville

Stove Clearance Diagrams

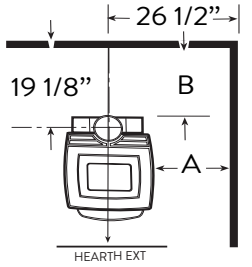
	UNPROTECTED WALLS					PROTECTED WALLS PER NFPA211 OR CAN/CSA- B365-M93				
	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**
Single Wall Connector	A 15"	B 16"	C 11"	D US: 65 1/2'' CAN: 67 1/2''	E US: 30 7/8'' CAN: 38 1/4''	F 5"	G 4"	H 3.5"	I US: 54 7/8'' CAN: 56 7/8''	J US: 30 7/8'' CAN: 38 1/4''
Single Wall Connector w/Flue Collar Heat Shield	A 15"	K 10"	C 11"	D US: 65 1/2'' CAN: 67 1/2''	E US: 30 7/8'' CAN: 38 1/4''	F 5"	G 4"	H 3.5"	I US: 54 7/8'' CAN: 56 7/8''	J US: 30 7/8'' CAN: 38 1/4''
Double Wall Connector	A 15"	L 6"	C 11"	D US: 65 1/2'' CAN: 67 1/2''	E US: 30 7/8'' CAN: 38 1/4''	F 5"	G 4"	H 3.5"	I US: 54 7/8'' CAN: 56 7/8''	J US: 30 7/8'' CAN: 38 1/4''
Double Wall Connector w/Flue Collar Heat Shield	A 15"	L 6"	C 11"	D US: 65 1/2'' CAN: 67 1/2''	E US: 30 7/8'' CAN: 38 1/4''	F 5"	G 4"	H 3.5"	I US: 54 7/8'' CAN: 56 7/8''	J US: 30 7/8'' CAN: 38 1/4''

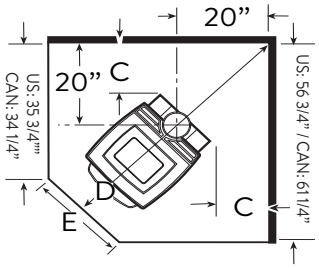
**US and CAN measurements are not the same and are not interchangeable.

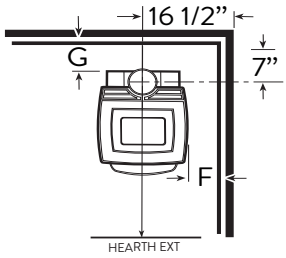
UNPROTECTED WALLS

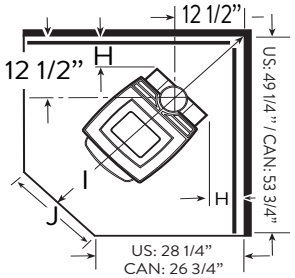
PROTECTED WALLS
PER NFPA 211 OR CAN/CSA-B365-m93

Single Wall Connector

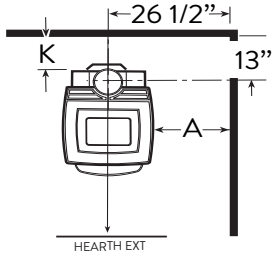


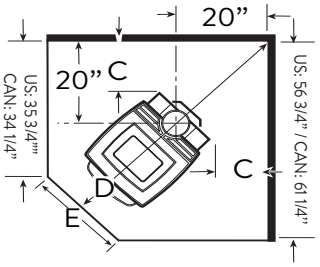


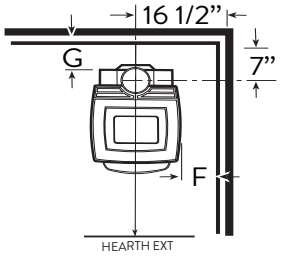


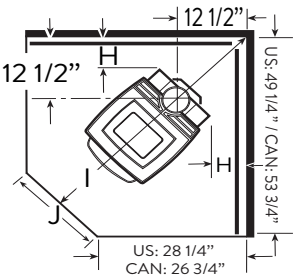


Single Wall Connector with Flue Collar Shield

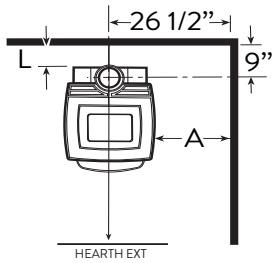


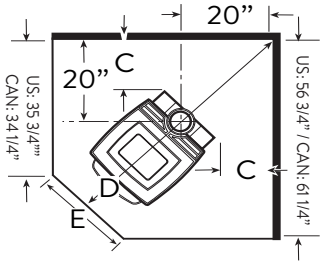


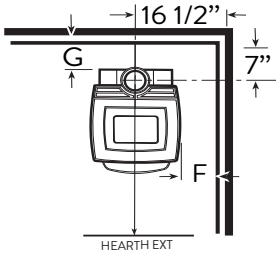


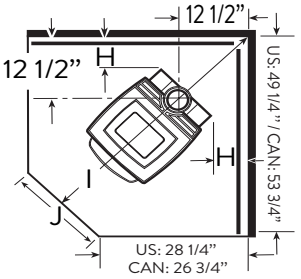


Double Wall Connector

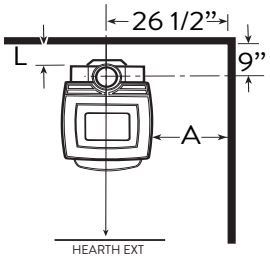


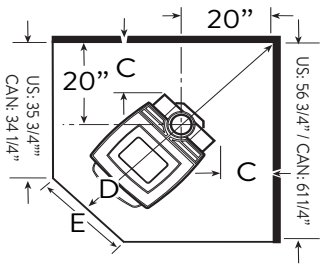


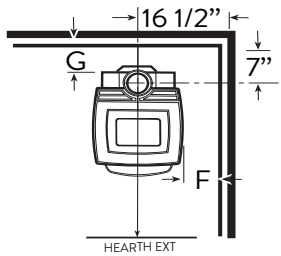


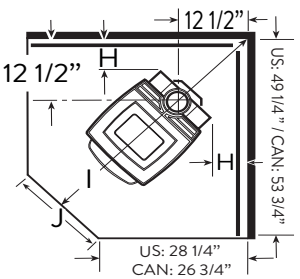


Double Wall Connector with Flue Collar Shield









NOTE: Figures are not to scale

Jøtul F 55 V2 Carrabassett

Heat Output Range:[1]	18,962 to 84,311 BTU/hr.
Heating Capacity:[2]	Up to 2,300 sq. ft.
Maximum Burn Time:[2]	Up to 10 hours
EPA Efficiency:[3]	HHV: 67.97% LHV: 73.13%
CO Emissions:[4]	1.06 g/min
Pariculate Emissions:[5]	1.3 g/hr - Cord Wood
Fuel Length:	Up to 18” Logs (Front to Back)
Weight:	475 lbs

Bottom Heat Shield included

Rear exit flue collar centerline height is 26 3/4" to center.

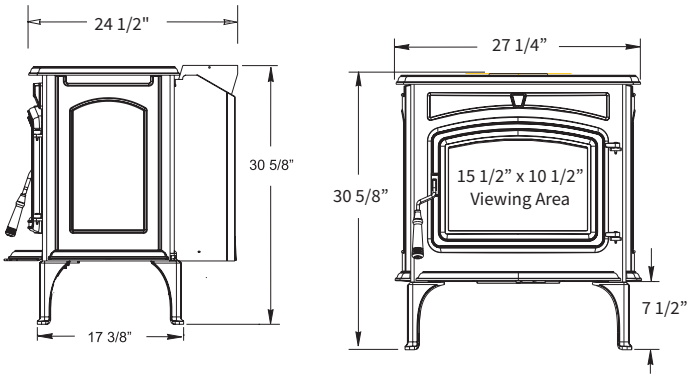


Figure 72. F 55 Carrabassett dimensions. See clearance chart for flue collar centerline positions. Note: Short Leg kit reduces the height by 3 1/4".

Optional Accessories

- Stove Gloves #157363
- Stove Top Thermometer #5002
- Outside Air Kit #157440
- Mobile Home Bracket Kit #157321
- Blower Kit #156431
- Short Leg Kit #157636

Hearth Protection

Any floor that is not composed of concrete poured on earth requires protection from sparks and embers. The Jøtul F 55 Carrabassett approved for installation using one of the following forms of hearth protection:

- Any UL, ULC, or Warnock Hersey Listed Type 1 hearth board.
- Any noncombustible material.
- Hearth protection must extend 8” from the sides and back and 16” from the front door opening (18" in Canada)
- In a rear vent installation, floor protection must also extend under the stove pipe a minimum of 2” beyond either side. See figure 71.

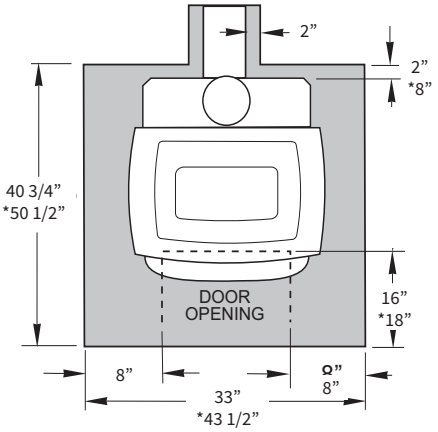


Figure 71. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

Fireplace Clearances

A: Stove to Mantel, max. depth 12”: 35”

B: Floor to Mantel: 66”

C: Stove to Top Trim, 1” thick or less: 31”

D: Stove to Side Trim, 1” thick or less: 14”

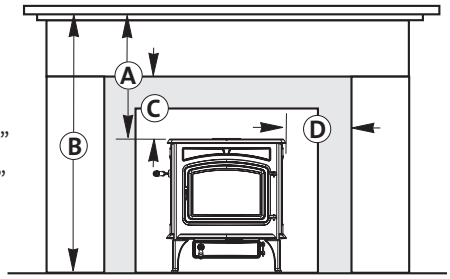


Figure 73. Mantel & Trim Clearances.

Alcove Installation Requirements

- Chimney connection requires listed double-wall pipe.
- Alcove floor protection must consist of a Type I or Type II, UL/ULC 1618 or WHI listed hearth pad or a non-combustible material.
- Min. Ceiling Clearance from hearth Fig. 76.

  Unprotected: 72”
  Protected: 59”
- Wall and ceiling protection, if used, must extend over the entire area.

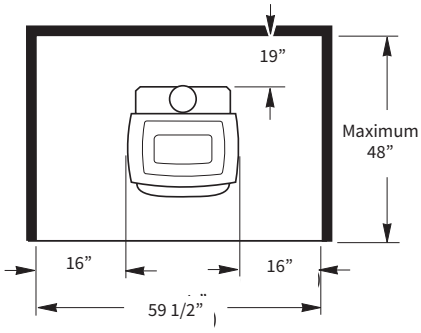


Figure 74. Alcove with no wall protection.

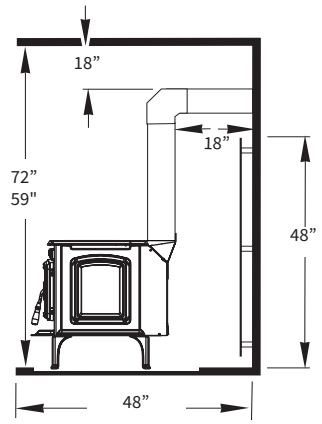


Figure 76. Alcove Ceiling and Double-wall Connector Clearances.

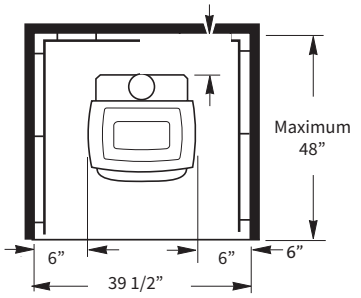


Figure 75. Alcove with wall protection.

1 ***Heat Output Range*** results are determined during specific emissions tests established by the EPA.

2 ***Heating Capacity and Maximum Burn Time*** will vary depending on design of home, climate, wood type and operation

3 ***EPA Validated Efficiency:***
High Heat Value and Low Heat Value efficiencies are determined per the CSA B415.1-10 test method. The difference between the HHV and LHV is in how the energy in the exhaust gas water vapor is accounted. LHV efficiency assumes all the water vapor in combustion gas was condensed and the heat from such was recovered and transferred to the dwelling. HHV calculations do not assume all water vapor is condensed, therefore the HHV value is less than the LHV value.

4 ***Carbon Monoxide Emissions*** rate results from Test Method CSA B415.1-10.

5 ***Particulate Emissions*** rate is obtained using EPA Test Methods: ALT-125 (Cordwood Fuel), ASTM E2515-11, ASTM E3053-173

Stove Clearance Diagrams

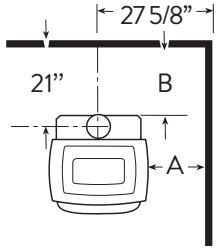
Jøtul F 55 V2 Carrabassett

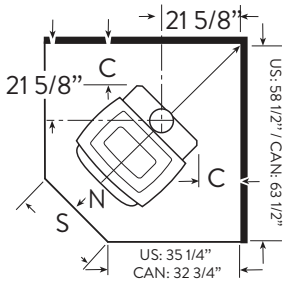
	UNPROTECTED WALLS					PROTECTED WALLS PER NFPA211 OR CAN/CSA- B365-M93				
	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**	SIDE	REAR	CORNER	CORNER TO FRONT FLOOR PROTECTION**	FRONT FLOOR PROTECTION WIDTH**
Single Wall Connector	A 14"	B 18"	C 12"	N US: 66 1/8'' CAN: 68 1/8''	S US: 32 7/8'' CAN: 43 1/2''	C 12"	D 8"	E 7 1/2"	O US: 59 3/4'' CAN: 61 3/4''	U US: 32 7/8'' CAN: 43 1/2''
Single Wall Connector w/Flue Collar Heat Shield	F 16"	G 10"	H 11"	P US: 64 3/4'' CAN: 66 3/4''	S US: 32 7/8'' CAN: 43 1/2''	D 8"	I 5"	I 5"	Q US: 56 1/4'' CAN: 58 1/4''	U US: 32 7/8'' CAN: 43 1/2''
Double Wall Connector	A 14"	J 9"	C 12"	N US: 66 1/8'' CAN: 68 1/8''	S US: 32 7/8'' CAN: 43 1/2''	K 6"	D 8"	I 5"	Q US: 56 1/4'' CAN: 58 1/4''	U US: 32 7/8'' CAN: 43 1/2''
Double Wall Connector w/Flue Collar Heat Shield	A 14"	K 6"	C 12"	N US: 66 1/8'' CAN: 68 1/8''	S US: 32 7/8'' CAN: 43 1/2''	I 5"	K 6"	L 2.5"	R US: 52 3/4'' CAN: 54 3/4''	U US: 32 7/8'' CAN: 43 1/2''
									**US and CAN measurements are not the same and are not interchangeable.	

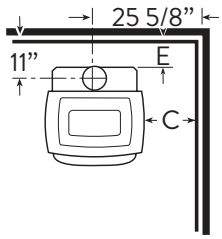
UNPROTECTED WALLS

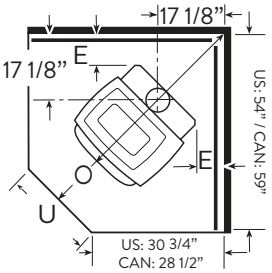
PROTECTED WALLS
PER NFPA 211 OR CAN/CSA-B365-m93

Single Wall Connector

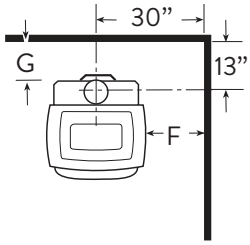


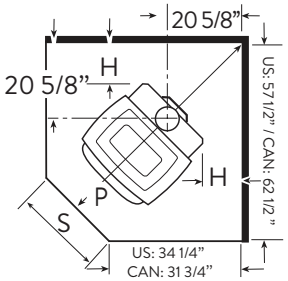


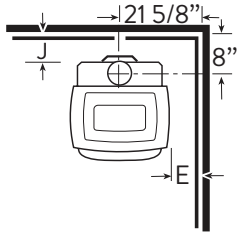


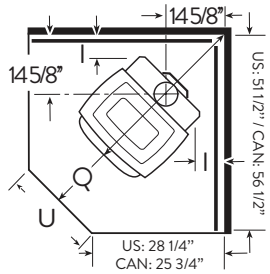


Single Wall Connector with Flue Collar Shield

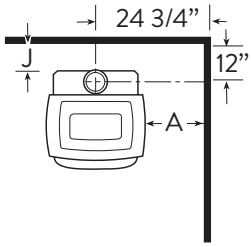


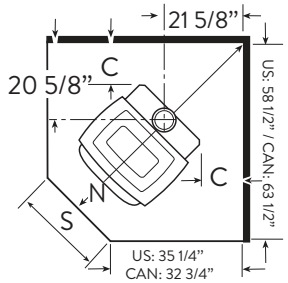


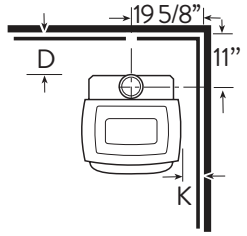


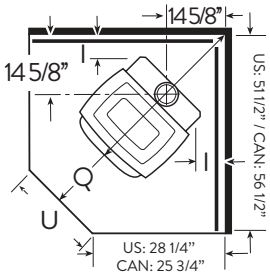


Double Wall Connector

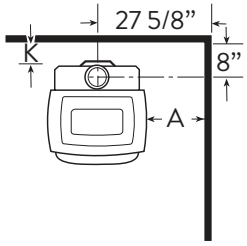


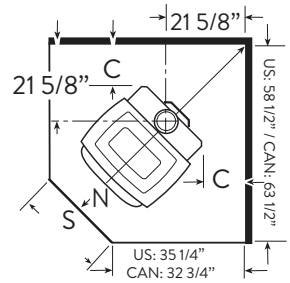


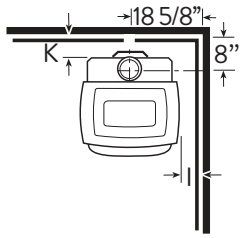


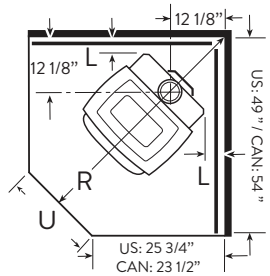


Double Wall Connector with Flue Collar Shield









NOTE: Figures are not to scale

Obsolete Models

Jøtul F 602 CB

Heat Output [1]:	28,000 BTU/hr.
Heating Capy [2]:	up to 800 sq. ft.
Overall Efficiency [3]:	68%
Emissions:	5.2 grams/hr.
Burn Time:	up to 5 hours
Log Length:	up to 16”
Flue Size:	6” (w/ std. adapter)
Weight:	160 lbs.

Bottom Heat Shield included

Not approved for mobile homes.

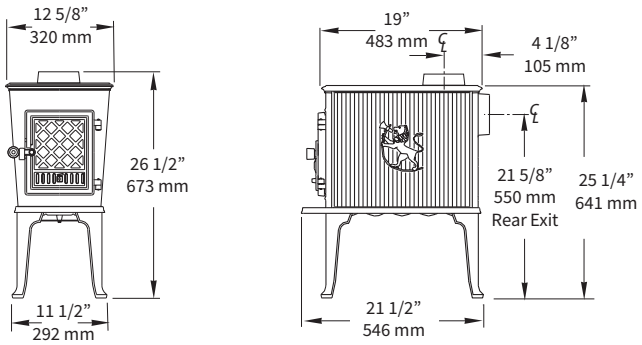


Figure 14. F 602 overall dimensions. See clearance chart on page 11 for flue collar centerlines.

Optional Accessories

- Rear Heat Shield #HS-50 - for top-exit installations only
- Spark Screen #350556
- Stovetop Thermometer #5002
- Fresh Air Kit #156408

Hearth Protection

The included Bottom Heat Shield is required for use in any installation where the floor is composed of any material other than masonry over earth. Either of the following forms constitutes approved hearth protection:

- any UL, ULC or Warnock-Hersey listed hearth board.
- any noncombustible material with installation of the included Bottom Heat Shield.

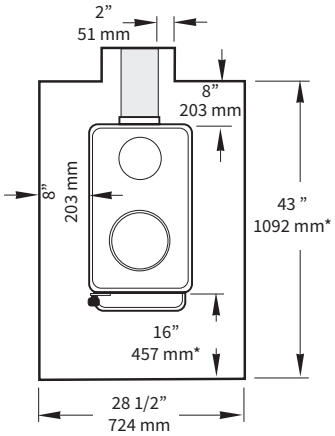


Figure 13. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

Alcove Installation Requirements

- The Bottom Heat Shield must be installed.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum thickness of 3/8” (9.5mm).
- If used, wall protection must extend 41” (104 cm) from the floor, including bottom air space. Both side and rear walls must be protected.
- Alcove Ceiling and Chimney Connector Clearances: Fig. 18.

  A = double-wall pipe manufacturer’s clearance listing
  B = 96” (219.7 cm) to unprotected ceiling. See NFPA 211 for clearance reduction to a protected ceiling.

Fireplace Clearances

A: Stove to Mantel, max. depth 8”: 30” 762 mm

B: Stove to Top Trim, 1” thick or less: 21” 533 mm

C: Stove to Side Trim, 1” thick or less: 18” 457 mm

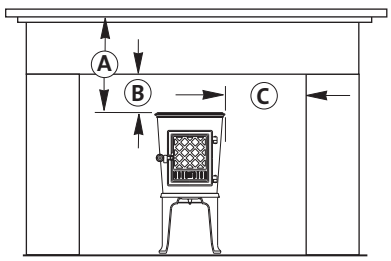


Figure 15. Fireplace Clearances.

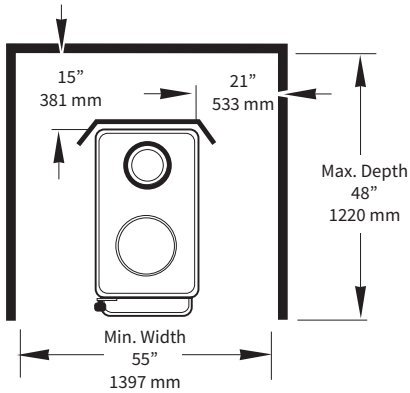


Figure 16. Alcove with double-wall pipe and Rear Heat Shield - No wall protection.

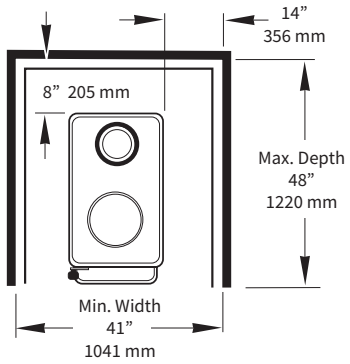


Figure 17. Alcove stove clearance with Double-wall pipe and wall protection.

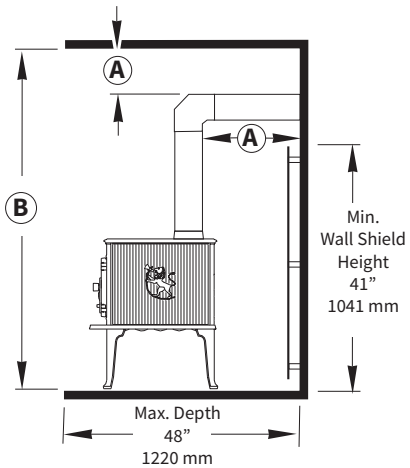
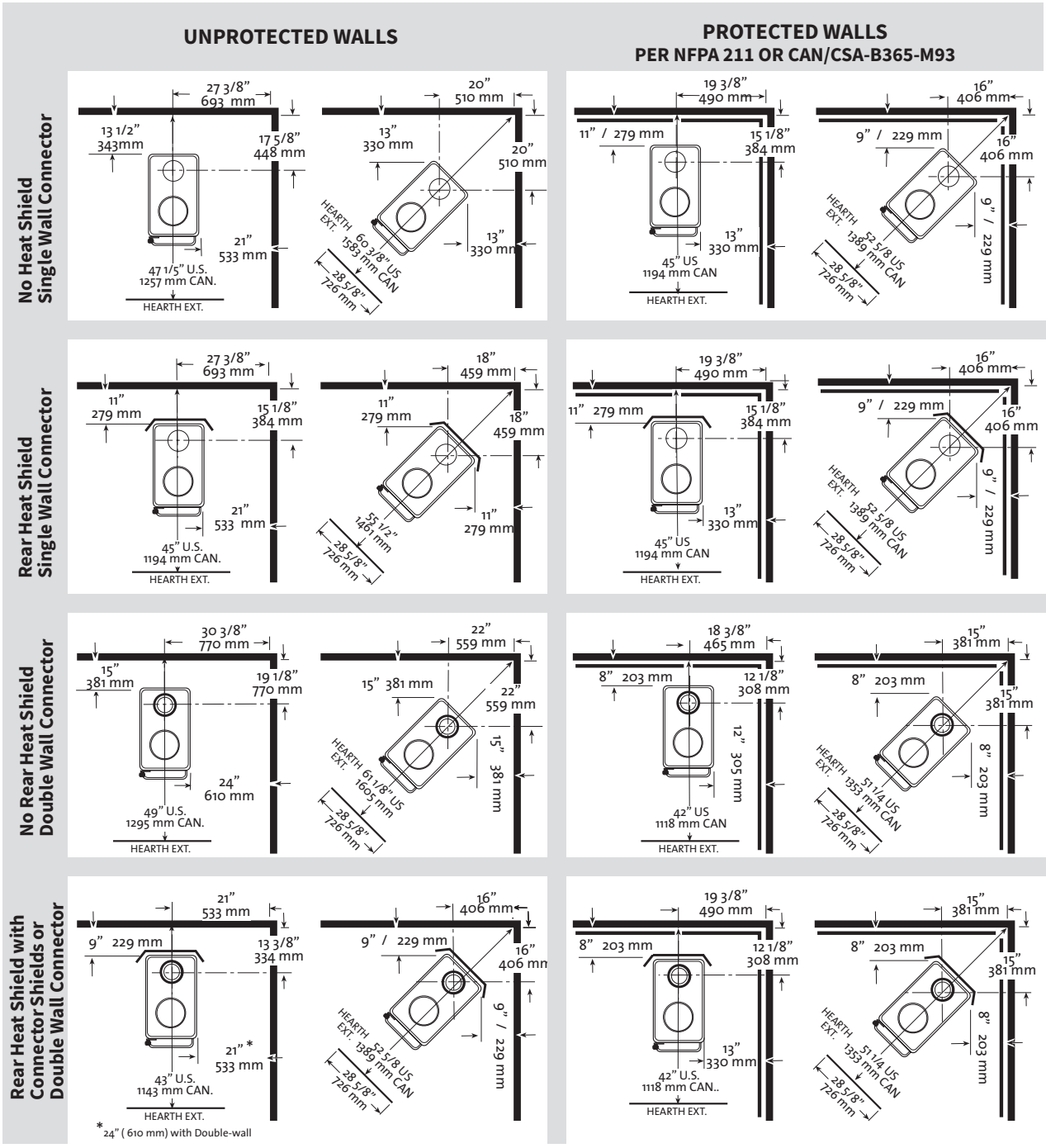


Figure 18 . Alcove Ceiling and Connector Clearance.

[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

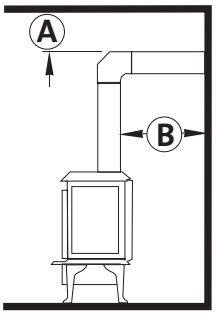
Stove Clearance Diagrams / Top & Rear Exit



NOTE:

1) Hearth Extension calculations include the protection requirement measured forward from the door glass pane.
2) Rear Exit chimney connection assumes the connector pipe exits from the rear of the stove connecting directly to the chimney. If rear vented to a vertical run, the stove position will be dictated by the connector pipe clearance.

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE
A	Single Wall	18"/ 460 mm	9" / 230 mm
	Double Wall	Mfg's Listing	Mfg's Listing
B	Single Wall	18" / 460 mm	6" / 150 mm
	Double Wall	Mfg's. Listing	Mfg's. Listing

Jøtul F 118 CB Black Bear

Heat Output[1]: 55,000 BTU/hr.
Heating Capacity [2]: up to 1,600 sq. ft.
Overall Efficiency [3]: 73%
Emissions: 3.43 grams/hr.
Burn Time: up to 8 hours
Log Length: up to 24”
Flue Size: 6” (w/ std. adapter)
Weight: 340 lbs.
Bottom Heat Shield included

Not approved for mobile homes.

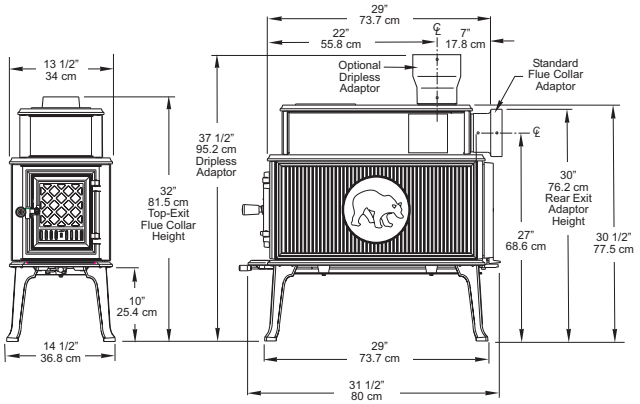


Figure 20. F 118 CB dimensions. See clearance chart for flue collar centerline positions.

Optional Accessories

- Flue Collar Adapter #950083
- Rear Heat Shield #320098
- Side Heat Shield #320099
- Spark Screen #350556
- Stovetop Thermometer #5002
- Fresh Air Kit #156408

Hearth Protection

The bottom heat shield must be installed unless the floor is composed of masonry on earth.

Any of the following forms constitute approved hearth protection:

- any UL, ULC or Warnock-Hersey listed hearth board.
- any noncombustible material.
- the hearth protection must extend 16” for the U.S. or 18” (457 mm) for Canada from the front door opening and 8” (210 mm) from the sides and rear in both the U.S. and Canada.

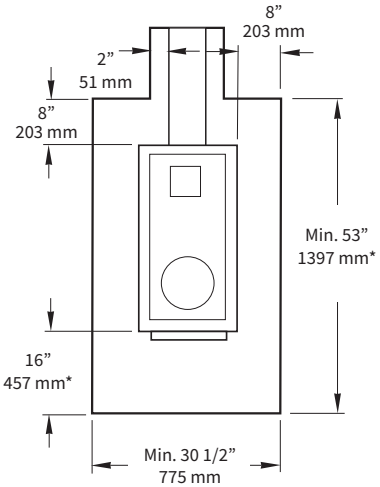


Figure 19. Minimum Hearth Dimensions.
** Denotes Canadian requirement*

Wall Protection Requirements

- Min. wall shield dimensions, see Fig. 21 - 22.
- Wall protection must follow NFPA 211 or CAN/CSA B-365 guidelines.

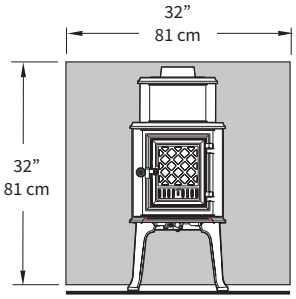


Figure 21. Min. Rear Wall Shield dimensions

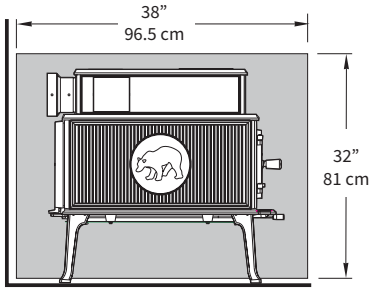


Figure 22. Min. Side Wall Shield dimensions.

Alcove Installation Requirements

- The stove may be installed with Rear Heat Shield and single wall chimney connector. See Fig. 23
- No stove clearance reduction is obtained using wall protection.
- The Bottom Heat Shield must be installed with UL/ULC or WH listed hearth pad or a noncombustible material.
- Min. Ceiling & Single-wall Connector Clearance, see Fig. 24.

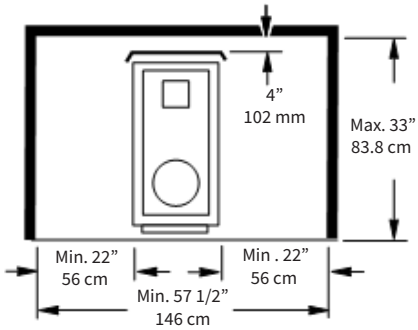


Figure 23. Alcove; Rear Heat Shield, Single-wall pipe and no wall protection.

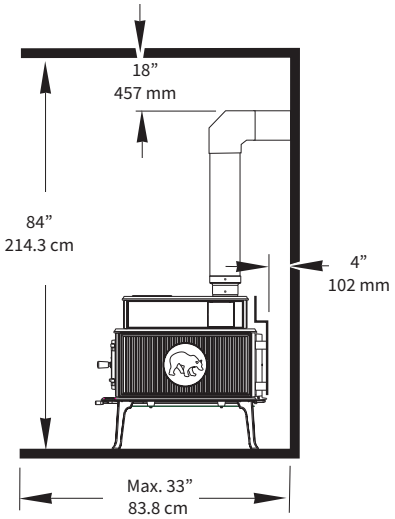
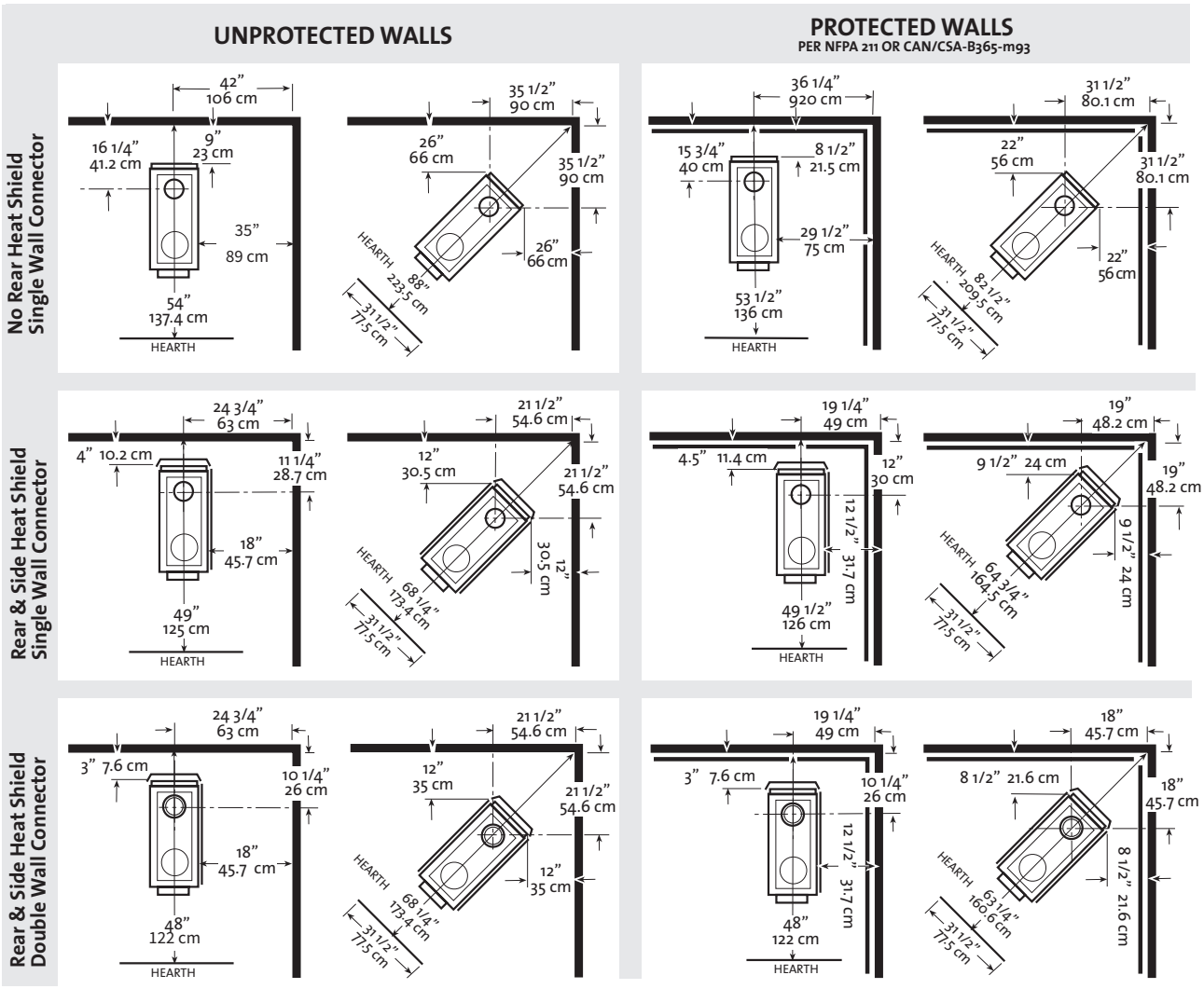


Figure 24. Alcove Ceiling and Single Wall connector pipe.

[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Stove Clearance Diagrams / Top, Rear, or Side Exit

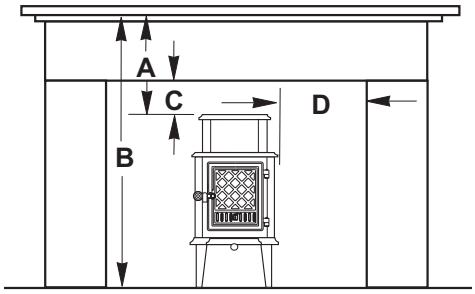


Note: 1) For Canada, add 2" (51 mm) to all hearth extension dimensions.
2) Hearth Extension calculations include the protection requirement measured forward from the door opening.

Fireplace Clearances

See the clearance chart above for approved clearances to combustible materials that may be part of fireplace construction.

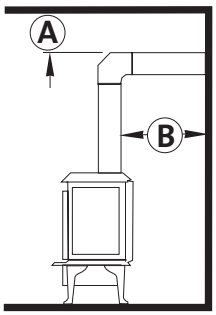
Mantel Shield Sizing per NFPA 211 or CAN/CSA B-365 guidelines.



		Unprotected	Protected
A:	Stove to Mantel (12 in. Deep)	13 in. / 33 cm	10 in. / 25.5 cm
B:	Floor to Mantel	43 1/2 in. / 110.5 cm	40 1/2 in. / 102.8 cm
C:	Stove to 1 in. Deep Top Trim	9 in. / 22.7 cm	5 in. / 12.7 cm
D:	Stove to 1 in. Deep Side Trim	15 in. / 38 cm	9 in. / 23 cm

Figure 25. Fireplace Mantel and Trim Clearances.

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE
A	Single Wall	18"/ 457 mm	12 1/2" / 318 mm
	Double Wall	6" / 152 mm	Mfg's. Listing
B	Single Wall	13" / 330 mm	12 1/2" / 318 mm
	Double Wall	7" / 178 mm	7" / 178 mm

Jøtul F 100 Nordic QT

Heat Output [1]:	35,000 BTU/hr.
Heating Capy [2]:	up to 1000 sq. ft.
Overall Efficiency [3]:	71%
Emissions:	3.0 grams/hr.
Burn Time:	up to 6 hours
Log Length:	up to 16”
Flue Size:	6”
Weight:	215 lbs.

Rear & Bottom Heat Shield included

Not approved for mobile homes.

Optional Accessories

- Flue Collar Heat Shield #154996 - required for top-exit installations with double-wall chimney connector pipe.
- Long Leg Kit (increases height 2 1/4”)
- Stovetop Thermometer #5002
- Fresh Air Kit #156408
- Spark Screen #350168

Hearth Protection

The included Bottom Heat Shield is provides flexibility in choosing hearth materials. Either of the following forms constitutes approved hearth protection:

- Any UL, ULC or Warnock-Hersey listed hearth board. The Bottom Heat Shield is not required.
- Any noncombustible material with installation of the included Bottom Heat Shield.
- Hearth protection must extend 8” (21 cm) from the sides and back and 16” from the front door opening. (18” / 46 cm in Canada).
- In a rear vent installation, floor protection must also extend under the stove pipe a minimum 2” (50mm) beyond either side.

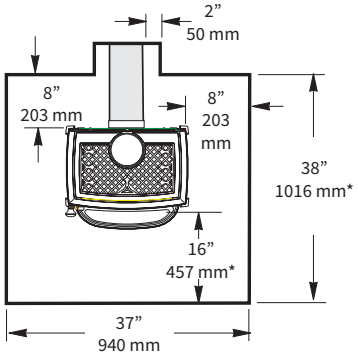


Figure 26. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

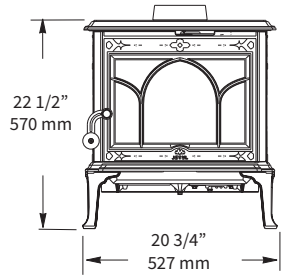


Figure 27. F 100 Nordic QT overall dimensions. See clearance chart for flue collar centerline positions.

Alcove Requirements

- The Bottom Heat Shield must be installed.
- The stove must be installed with listed double wall pipe and Flue Collar Heat Shield 154996.
- In a protected alcove, both side walls and the rear wall must be protected per NFPA 211 or CAN/CSA-B365. The wall protection must stand off 1” (25 mm) from the floor and combustible wall using noncombustible spacers.
- Wall protection must extend 48” (1220 mm) from the floor, including the bottom air space.
- Min. Ceiling & Connector Clearance, Fig. 31.

  A: Top or Rear Exit - from hearth
  Unprotected Ceiling: 82.5” (210cm)
  Protected Ceiling: 70.5” (179 cm):
  B: Use pipe manufacturer’s clearance
  C: Use pipe manufacturer’s clearance

Fireplace Clearances

- Top and Side Trim is 1” thick or less.
- Maximum mantel depth: 12” (305 mm)

	Unprotected Surfaces	Protected Surfaces
A: Mantel:	22” (560 mm)	9” (230 mm)
B: Top Trim:	17” (430 mm)	8” (200 mm)
C: Side Trim:	14” (355 mm)	7” ((430 mm)

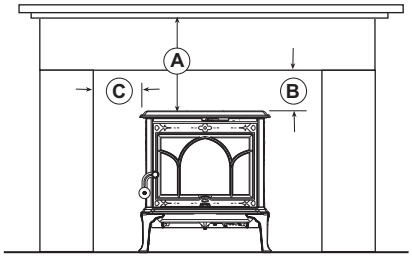
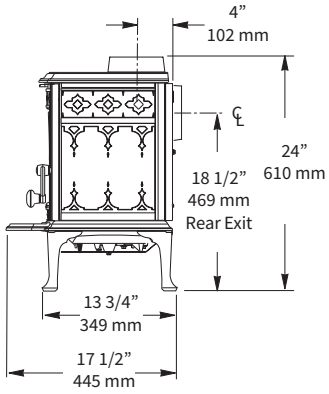


Figure 28. F 100 Mantel, Trim Clearances



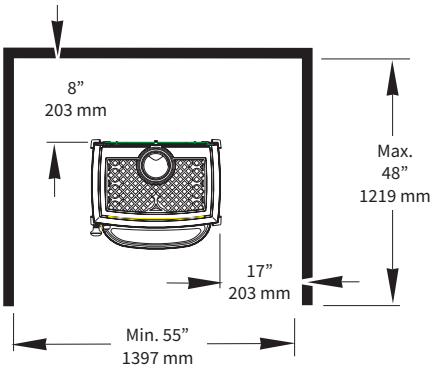


Figure 29. Alcove without Wall Protection

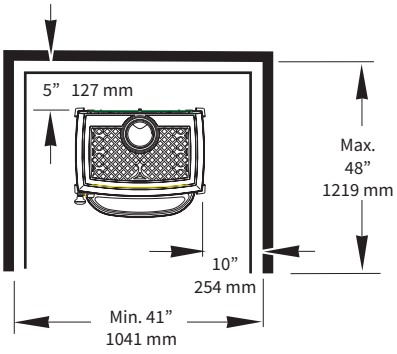


Figure 30. Alcove with Wall Protection

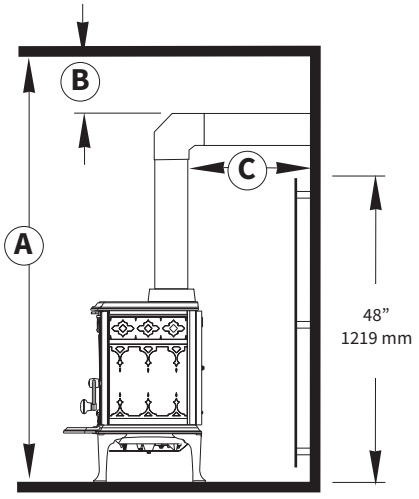
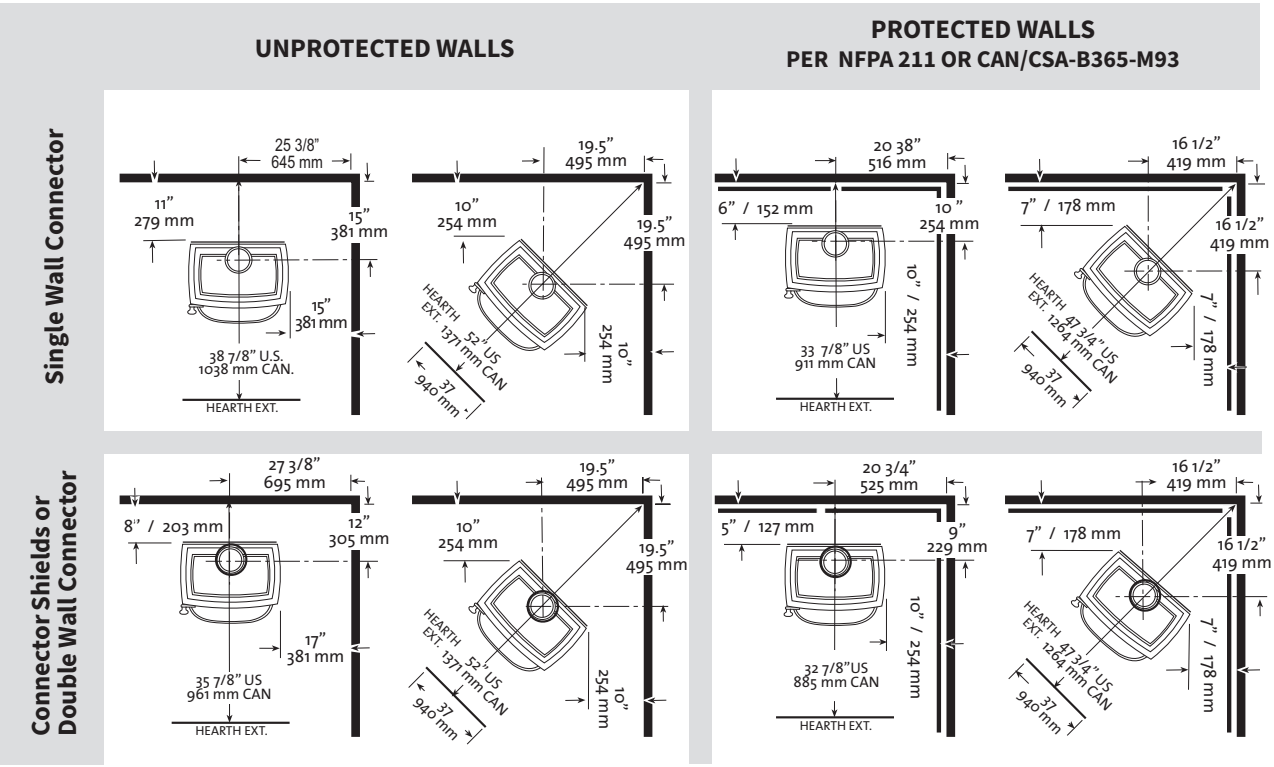


Figure 31. Alcove with Wall Protection

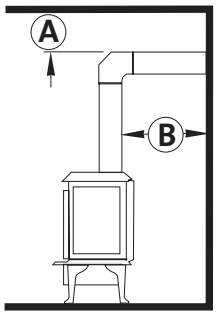
[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Stove Clearance Diagrams / Top & Rear Exit



Note: Hearth Extension calculations include the protection requirement measured forward from the door opening.

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE per NFPA 211 or CAN/CSA B-365-M93
A	Single Wall	11" / 280 mm	6" / 150 mm
	Double Wall	8" / 180 mm	5" / 180 mm
B	Single Wall	18" / 460 mm	12" / 305 mm
	Double Wall	Mfg's. Listing	Mfg's. Listing

Flue Collar Heat Shield #154996 is required for top-exit installations with double-wall chimney connector pipe.

Jøtul F 3 CB

Heat Output [1]: 42,000 BTU/hr.
Heating Capy [2]: up to 1,300 sq. ft.
Overall Efficiency [3]: 72%
Emissions: 3.78 grams/hr.
Burn Time: up to 7 hours
Log Length: up to 18”
Flue Size: 6” (w/ std. adapter)
Weight: 265 lbs.
Rear & Bottom Heat Shield standard

Not approved for use in mobile homes.

Optional Accessories

- Firescreen #350168
- Short Leg Kit (decreases height 2 1/4”)
- Fresh Air Kit #156408
- Stovetop Thermometer #5002

Hearth Protection

Any of the following forms constitutes approved hearth protection:

- The standard equipment Bottom Heat Shield must be installed in all installations not comprised of masonry over earth.
- Any UL, ULC or Warnock-Hersey listed hearth board.
- Any noncombustible material with an R-value of 1.1.
- Hearth protection must extend 8” (21 cm) from the sides and back and 16” from the front door opening. (18” / 46 cm in Canada).
- In a rear vent installation, floor protection must also extend under the stove pipe a minimum 2” (50mm) beyond either side.

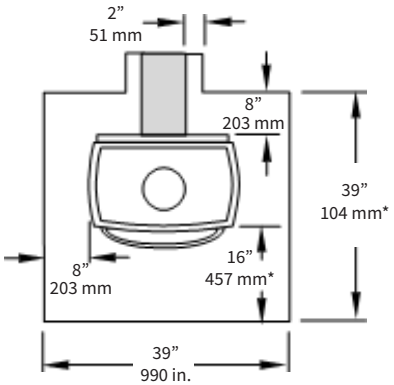


Figure 32. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

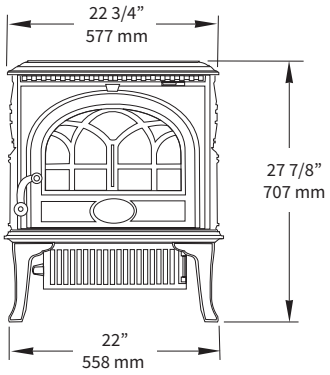


Figure 33. F 3 CB overall dimensions. See clearance chart for flue collar centerline positions.

Alcove Requirements

- The Bottom Heat Shield must be installed. Floor protection must consist of a UL, ULC, or WH listed hearth pad or any noncombustible material having an R-value of 1.1.
- In a protected alcove, both side walls and the rear wall must be protected per NFPA 211 or CAN/CSA-B365. The wall protection must stand off 1” (25 mm) from the floor and combustible wall using noncombustible spacers.
- Min. Ceiling & Connector Clearance, Fig. 37.

  A: Top or Rear Exit - from hearth
  Unprotected Ceiling: 96” (244 cm)
  Protected Ceiling: 68” (1730 cm)
  B: Use pipe manufacturer’s clearance
  C: Use pipe manufacturer’s clearance

Fireplace Clearances

A: Stove to Mantel, max. depth 12”: 34” (864 mm)

B: Stove to Top Trim, 1” thick or less: 20” (508 mm)

C: Stove to Side Trim, 1” thick or less: 13” (330 mm)

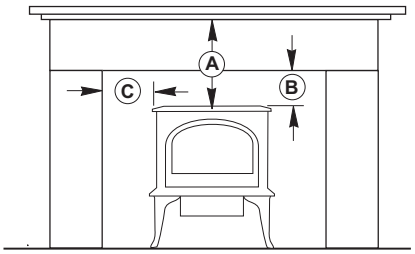
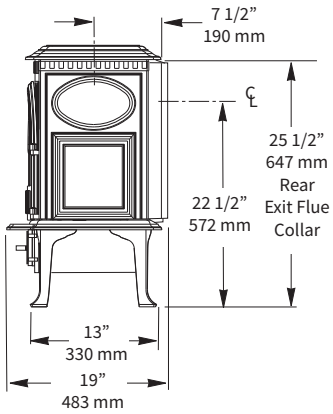


Figure 34. Mantel & Trim Clearances



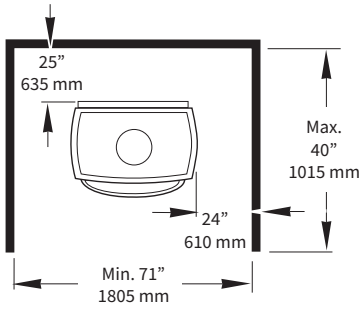


Figure 35. Alcove with no Wall Protection

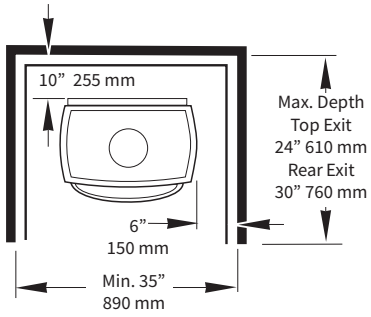


Figure 36. Alcove with Wall Protection

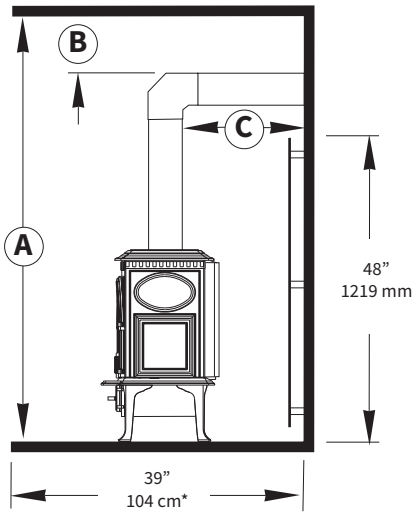


Figure 37. Alcove with Wall Protection

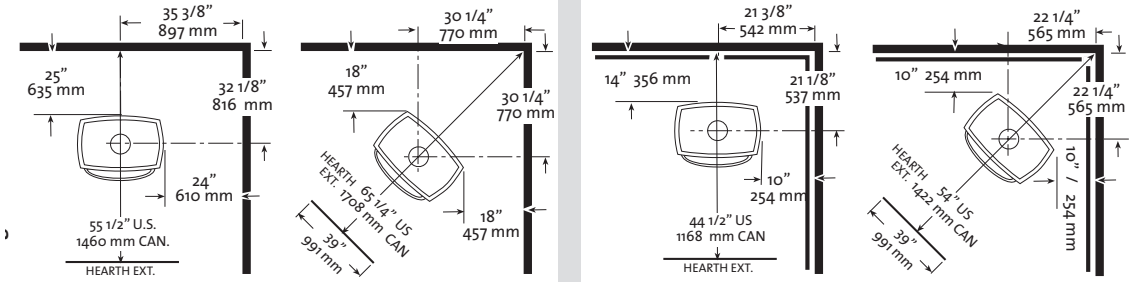
[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Stove Clearance Diagrams / Top & Rear Exit

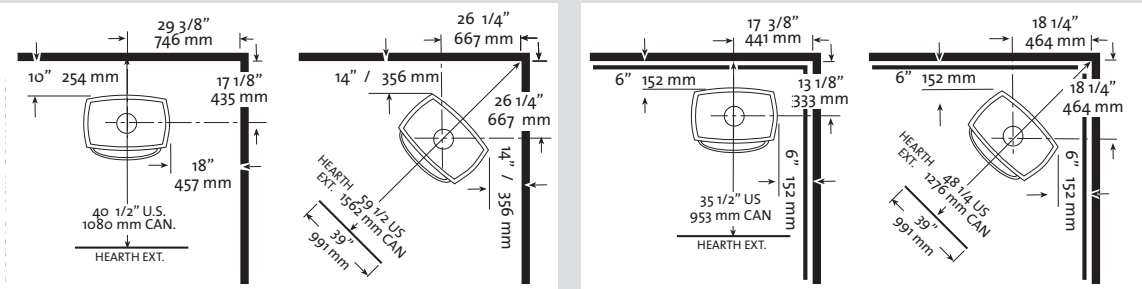
UNPROTECTED WALLS | **PROTECTED WALLS PER NFPA 211 OR CAN/CSA B365-M93**

Top Exit / Vertical Chimney Connection

Rear Heat Shield Single Wall Connector

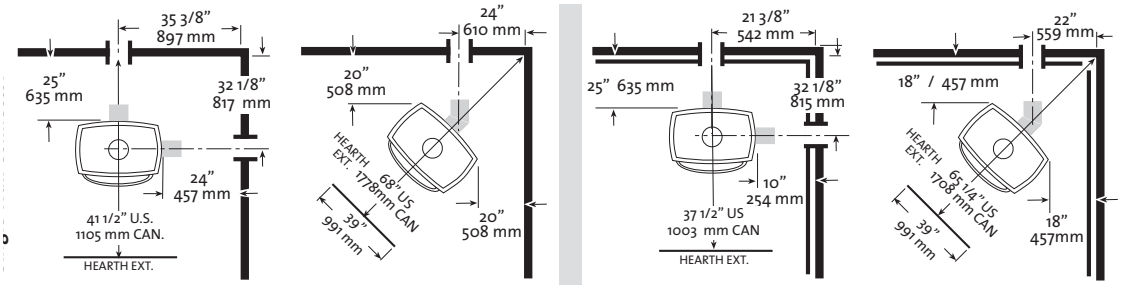


Rear Heat Shield with Single Wall w/ Shielding or Double-wall Connector

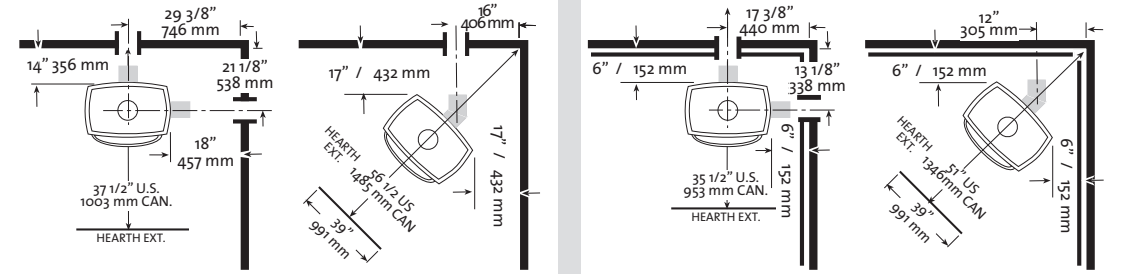


Rear or Side Exit / Horizontal Chimney Connection

Rear Heat Shield Single Wall Connector

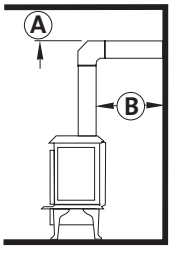


Rear Heat Shield Double Wall Connector



Note: Hearth Extension calculations include the protection requirement measured forward from the door opening.

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE per NFPA 211 or CAN/CSA B-365-M93
A	Single Wall	18" / 460 mm	9" / 230 mm
	Double Wall	Mfg's. Listing	Mfg's. Listing
B	Single Wall	18" / 460 mm	6" / 150 mm
	Double Wall	Mfg's. Listing	Mfg's. Listing

Jøtul F 400 Castine

Heat Output [1]: 55,000 BTU
Heating Capacity [2]: up to 1,600 sq. ft.
Overall Efficiency [3]: 73%
Emissions: 3.77 grams/hr.
Burn Time: up to 8 hours
Log Length: up to 20”
Flue Size: 6” (w/ std. adapter)
Weight: 375 lbs.
Approved for use in Mobile Homes.

Optional Accessories

- Rear Heat Shield #154385
- Spark Screen #129650
- Outside Air Kit #154335
- Floor Bracket Kit #750304
- Short Legs (reduces height 2 1/4”)
- Stovetop Thermometer #5002

Hearth Protection

A Bottom Heat Shield is provided with the Jøtul F 400 Castine. Follow these guidelines to form approved hearth protection::

- any UL, ULC or Warnock-Hersey listed hearth board. (no bottom heat shield required)
- any noncombustible material that has a minimum R-value of 2.0. (no bottom heat shield required).
- any noncombustible material with use of F 400 bottom heat shield, included with stove.
- In the U.S. the hearth must extend 16” from the door opening and 8” from the sides and rear.
  In Canada, it must extend 18” from the door opening and 8” from the sides and rear.

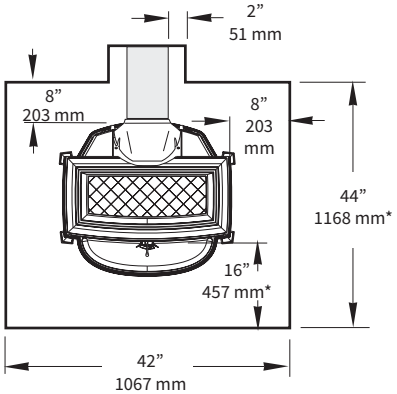


Figure 38. Minimum Hearth Dimensions.
** Denotes requirement for Canada.*

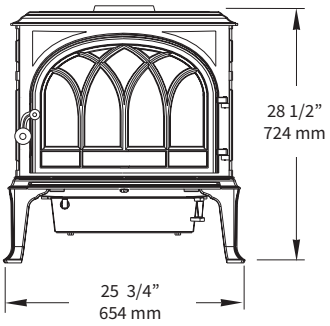


Figure 39. F 400 Castine dimensions.
See clearance chart for flue collar centerline positions.

Alcove Installation Requirements

- Chimney connection requires listed double-wall pipe.
- Bottom Heat Shield must be installed.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum R value of 2.0.
- If used, wall protection must extend 48” (122 cm) from the floor, including bottom air space.
- Min. Ceiling & Connector Clearance, Fig. 43.

  A: Top or Rear Exit from hearth

  Unprotected: 86 1/2” (219.7 cm)
  Protected: 64 1/2” (163.8 cm)

Fireplace Clearances

A: Stove to Mantel, max. depth 12”: 25” 635 mm

B: Stove to Top Trim, 1” thick or less: 23” 585 mm

C: Stove to Side Trim, 1” thick or less: 13” 300 mm

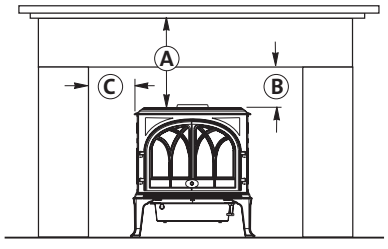
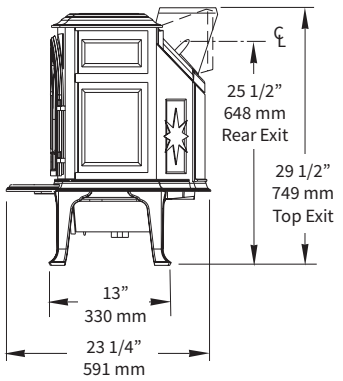


Figure 40. Mantel, Trim Clearances.



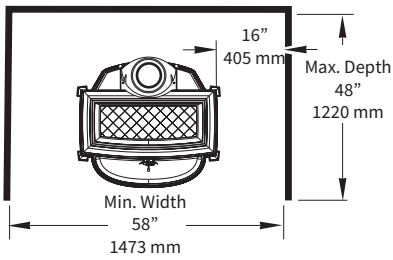


Figure 41. Alcove with no wall protection.

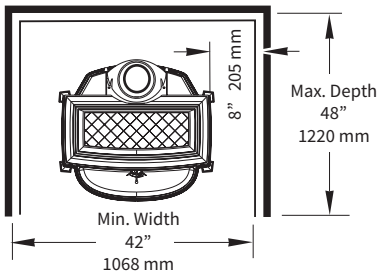


Figure 42. Alcove with wall protection

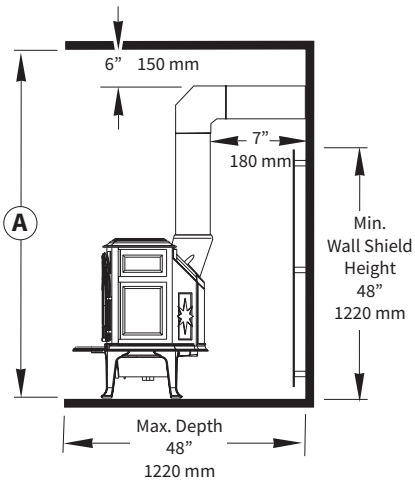
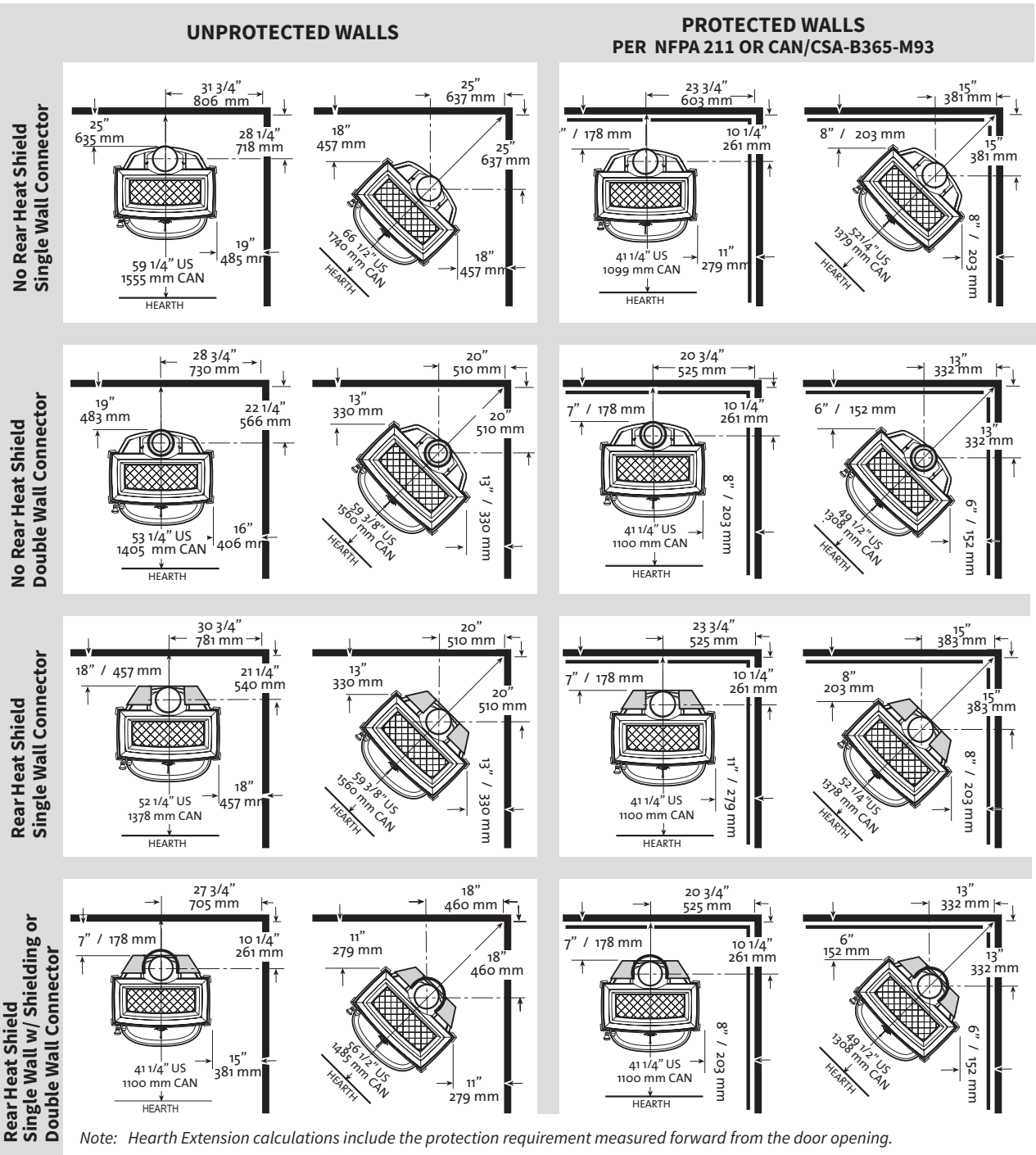


Figure 43. Alcove clearance with double-wall pipe.

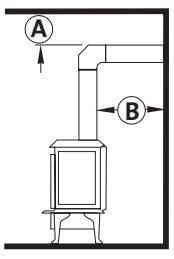
[1] Maximum Heat Output based on kg. of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Stove Clearance Diagrams / Top & Rear Exit



Note: Hearth Extension calculations include the protection requirement measured forward from the door opening.

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE per NFPA 211 or CAN/CSA B-365-M93
A	Single Wall	25" / 635 mm	12" / 300 mm
	Double Wall	7" / 180 mm	7" / 180 mm
B	Single Wall	18" / 460 mm	7" / 180 mm
	Double Wall	6" / 150 mm	6" / 150 mm

Mobile Home Installation

The F 400 Castine is approved for installation in mobile homes in the U.S. and Canada. The stove must be secured to the floor, must have provision for outside combustion air, and must be grounded to the mobile home chassis. Use only listed double-wall pipe for the chimney connection. Consult with your local building inspector or fire officials about restrictions and requirements in your area, prior to installing the stove.

Jøtul F 500 Oslo

Heat Output [1]: 70,000 BTU
Heating Capacity [2]: up to 2,000 sq. ft.
Overall Efficiency [3]: 72%
Emissions: 3.20 grams/hr.
Burn Time: up to 9 hours
Log Length: up to 22”
Flue Size: 6”
Weight: 445 lbs.
Mobile Home Approval

Optional Accessories

- Rear Heat Shield #154332
- Outside Air Kit #154333
- Floor Bracket Kit #750304
- Side Door Lock Kit #155850
- Short Legs (reduces height 2 1/4”)
- Spark Screen #350169
- Stovetop Thermometer #5002

Hearth Protection

A Bottom Heat Shield is provided with the stove. Follow these guidelines to form approved hearth protection:

- the hearth protection must extend 18” (203 mm) from both the front and side door openings.
- any UL, ULC or Warnock-Hersey listed hearth board. (no bottom heat shield required)
- any noncombustible material that has a minimum R-value of 1.6 (no bottom heat shield required).
- A Bottom Heat Shield is required for alcove installation.

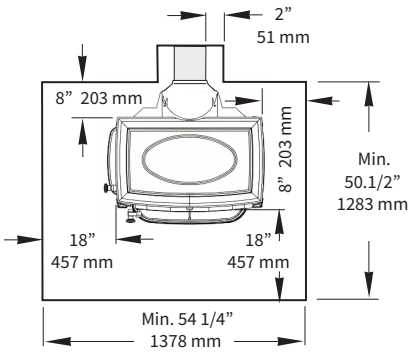


Figure 44. Minimum Hearth Dimensions.

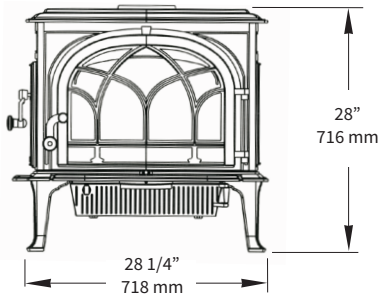


Figure 45 . F 500 Oslo dimensions. See clearance chart on page 21 for flue collar centerline positions.

Alcove Installation Requirements

- This side load door must be locked closed unless a 36” clearance can be maintained to that side.
- Chimney connection requires listed double-wall pipe.
- Optional Bottom Heat Shield must be installed.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum R value of 1.6.
- If used, wall protection must extend 48” (122 cm) from the floor, including bottom air space.
- Min. Ceiling & Connector Clearance, Fig. 49.

  A: Top or Rear Exit from hearth

  Unprotected: 69 1/2” (176.5 cm)
  Protected: 43 1/2” (110.5 cm)

Fireplace Clearances

A: Stove to Mantel, max. depth 12”: 30” 762 mm

B: Stove to Top Trim, 1” thick or less: 16” 406 mm

C: Stove to Side Trim, 1” thick or less: 12” 305 mm

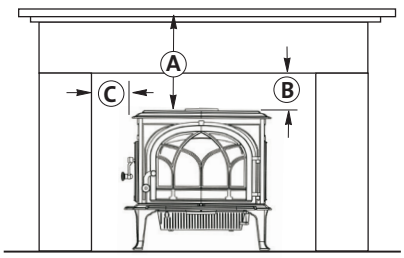
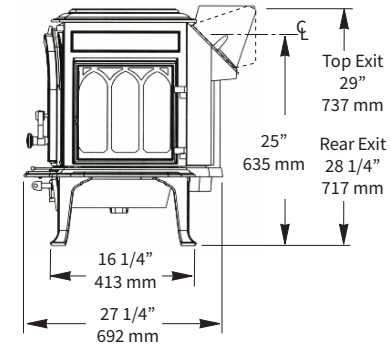


Figure 46. Mantel & Trim Clearances.



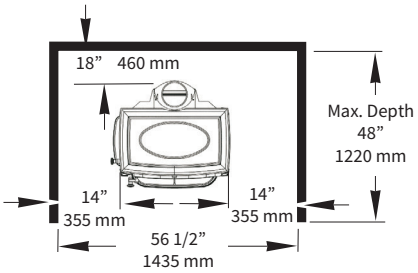


Figure 47. Alcove with no wall protection.

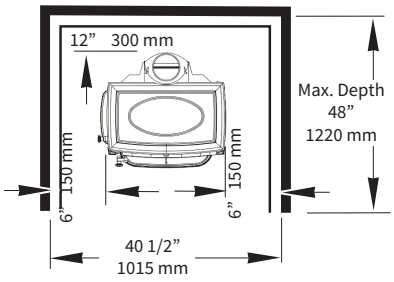


Figure 48. Alcove w/ wall protection.

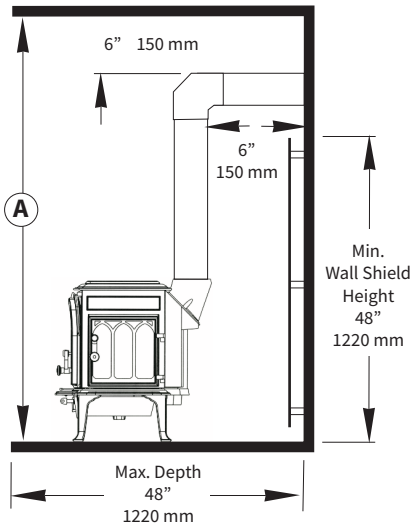
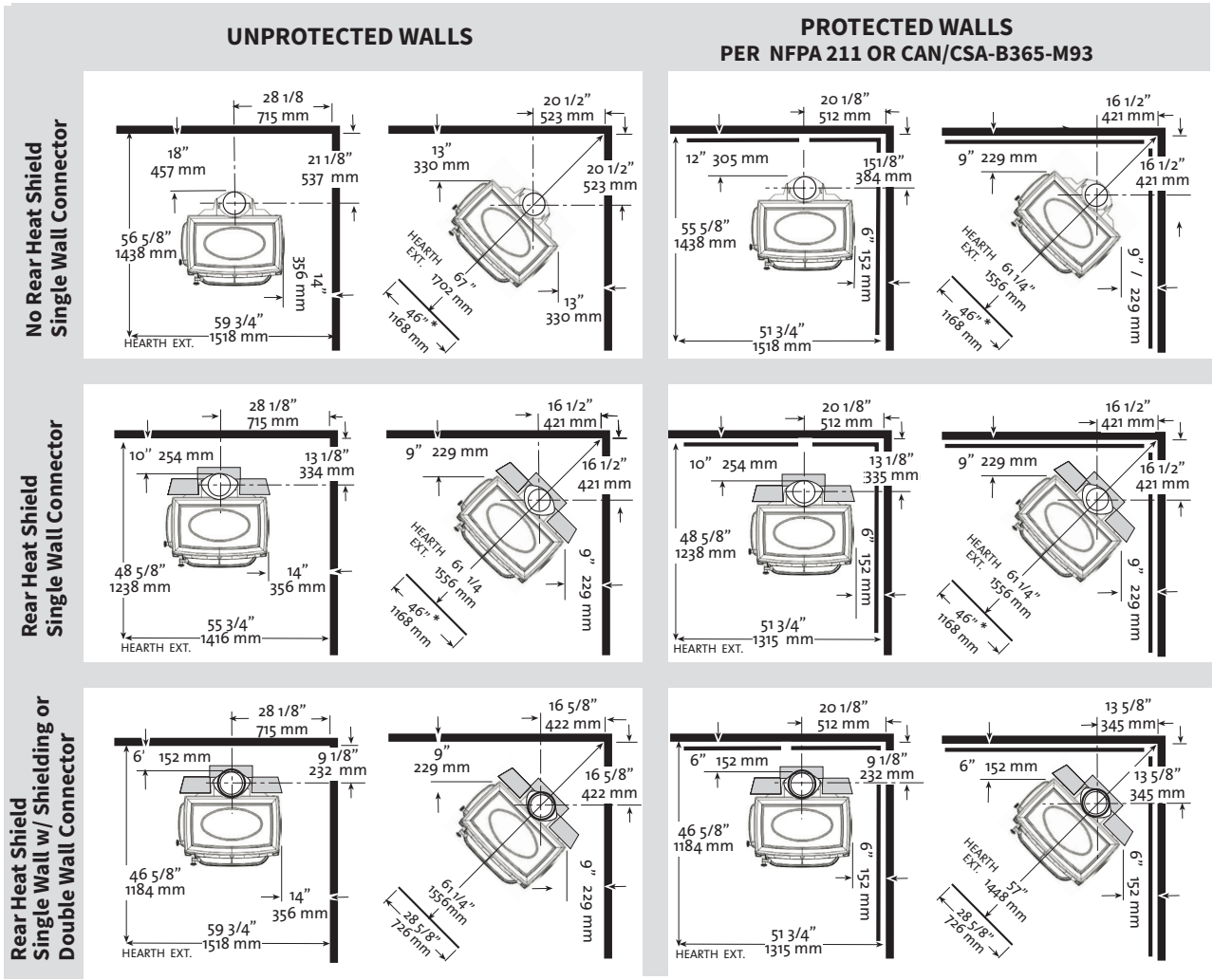


Figure 49. Alcove Ceiling and Double-wall Connector Clearances.

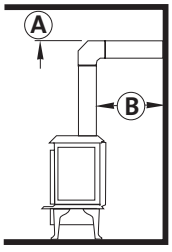
[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Stove Clearance Diagrams / Top & Rear Exit



Note: 1) Hearth Extension calculations include the protection requirement measured outward from both door openings.
2) Corner and Alcove installations require use of Side Door Lock Kit 155850. Right side hearth protection may also be reduced to 8" with use of the door lock kit.

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE per NFPA 211 or CAN/CSA B-365-M93
A	Single Wall	18" / 460 mm	12" / 300 mm
	Double Wall	6" / 180 mm	6" / 180 mm
B	Single Wall	18" / 460 mm	12" / 300 mm
	Double Wall	6" / 150 mm	6" / 150 mm

Mobile Home Installation

The F 500 Oslo is approved for installation into mobile homes in the US. and Canada.

- The stove must be secured to the floor of the mobile home. Use Floor Bracket Kit 750304.
- Use Outside Air Kit 154333 to provide outside combustion air.
- Use only listed double-wall pipe for the chimney connection.
- The stove must be grounded to the mobile home chassis.
- The stove must otherwise be installed in accordance with 24CRR, Part 3280 (HUD).

Consult your local building inspector or fire officials about restrictions and requirements in your area prior to installation.

Jøtul F 600 Firelight CB

Heat Output [1]: 81,500 BTU/hr.
Heating Capacity [2]:
up to 2500 sq. ft.
Overall Efficiency [3]: 71%
Emissions: 4.10 grams/hr.
Burn Time: up to 10+ hours
Log Length: up to 24”
Flue Size: 6”
Weight: 465 lbs.

Approved for use in Mobile Homes

Optional Accessories

- Rear Heat Shield #154329
- Outside Air Kit #154333
- Floor Bracket Kit #750304
- Side Door Lock Kit #155850
- Spark Screen #350169
- Stovetop Thermometer #5002

Hearth Protection

A Bottom Heat Shield is included with the stove. Any of the following three forms constitutes approved hearth protection:

- the hearth protection must extend 18” (203 mm) from both the front and side door openings.
- any UL, ULC or Warnock-Hersey listed hearth board. (no bottom heat shield required)
- any noncombustible material that has a minimum R-value of 1.6 (no bottom heat shield required).
- Bottom heat shield required for alcove installation.

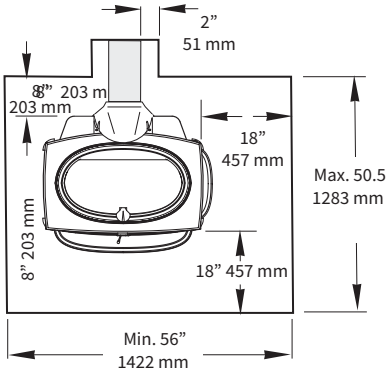


Figure 50. Minimum Hearth Dimensions.

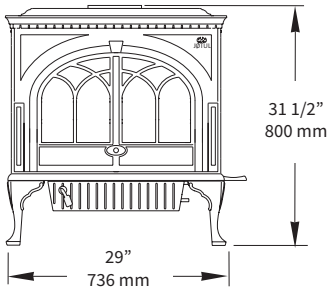


Figure 51. F 600 Firelight CB dimensions. See clearance chart for flue collar centerline positions.

Alcove Installation Requirements

- This side load door must be locked closed unless a 36” clearance can be maintained to that side.
- Chimney connection requires listed double-wall pipe.
- Optional Bottom Heat Shield must be installed.
- UL/ULC or WH listed hearth pad or a noncombustible material having a minimum R value of 0.5.
- If used, wall protection must extend 48” (122 cm) from the floor, including bottom air space.
- Min. Ceiling & Connector Clearance, Fig. 55.

  A: Top or Rear Exit from hearth

  Unprotected: 79 1/2” (202 cm)
  Protected: 46 1/2” (118 cm)

Fireplace Clearances

A: Stove to Mantel, max. depth 12”: 26” 660 mm

B: Stove to Top Trim, 1” thick or less: 17” 432 mm

C: Stove to Side Trim, 1” thick or less: 11” 279 mm

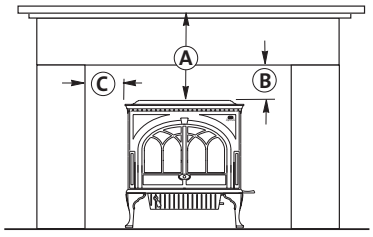
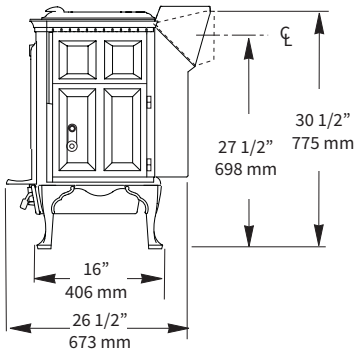


Figure 52. Mantel & Trim Clearances.



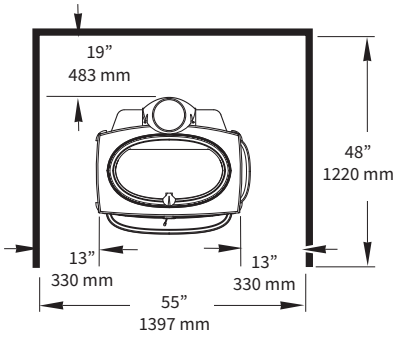


Figure 53. Alcove with no wall protection.

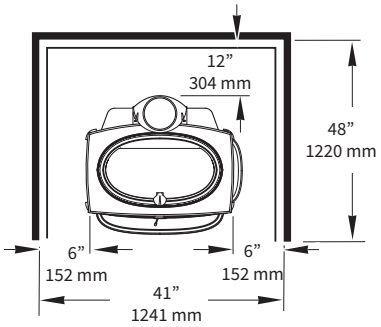


Figure 54 Alcove w/ wall protection.

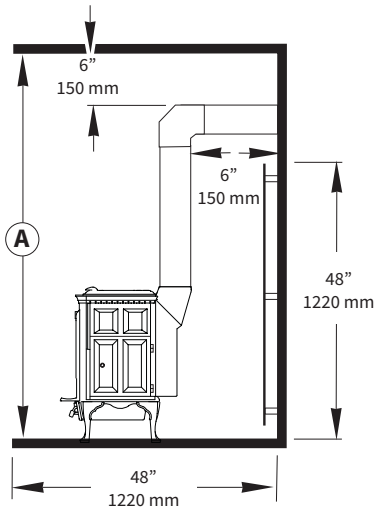
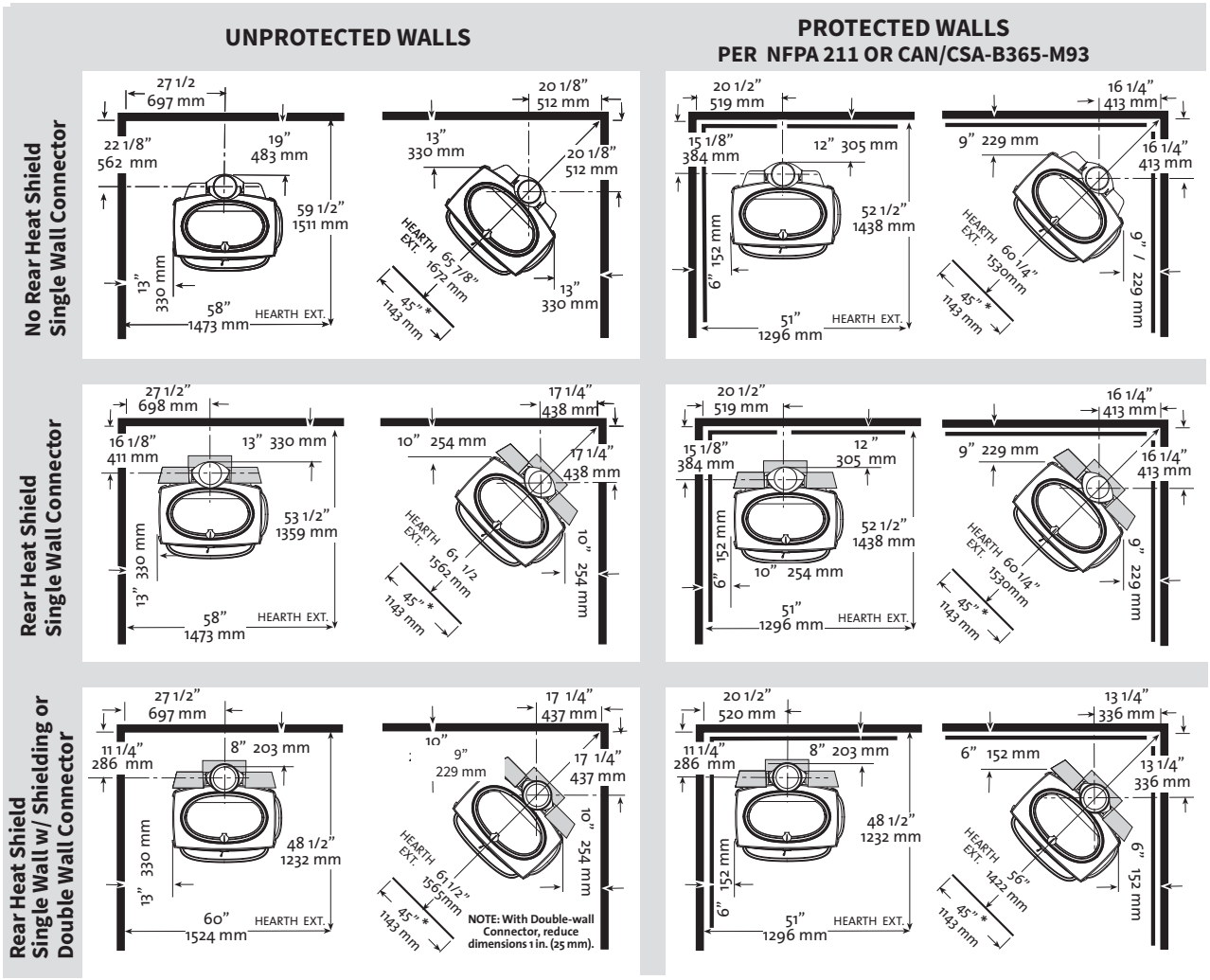


Figure 55. Alcove Ceiling and Double-wall Connector Clearances.

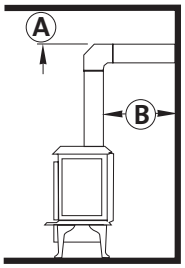
[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Stove Clearance Diagrams / Top & Rear Exit



Note: 1) Hearth Extension calculations include the protection requirement measured outward from the side and front door openings.
*2) **Corner and Alcove installations require use of Side Door Lock Kit 155850.** Right side hearth protection may also be reduced to 8" with use of the door lock kit.*

Chimney Connector Clearances



		UNPROTECTED SURFACE	PROTECTED SURFACE per NFPA 211 or CAN/CSA B-365-M93
A	Single Wall	18" / 460 mm	12" / 300 mm
	Double Wall	6" / 180 mm	6" / 180 mm
B	Single Wall	18" / 460 mm	12" / 300 mm
	Double Wall	6" / 150 mm	6" / 150 mm

Mobile Home Installation

The F 600 Firelight is approved for installation into mobile homes in the US. and Canada.

- The stove must be secured to the floor of the mobile home. Use Floor Bracket Kit 750304.
- Use Outside Air Kit 154333 to provide outside combustion air.
- Use only listed double-wall pipe for the chimney connection.
- The stove must be grounded to the mobile home chassis.
- The stove must otherwise be installed in accordance with 24CRR, Part 3280 (HUD).

Consult your local building inspector or fire officials about restrictions and requirements in your area prior to installation.

Jøtul C 350 Winterport Fireplace Insert

Heat Output [1]: 40,000 BTU/hr.
Heating Capacity [2]: up to 1,300 sq. ft.
Overall Efficiency [3]: 71%
Emissions: 4.0 grams/hr.
Burn Time: up to 8 hours
Log Length: up to 20”
Flue Size: 6”
Weight: 272 lbs.
Dual Blowers 110 cu. ft./min.

Not Approved for Mobile Homes.

Surround Panels, included

- 37” Wide x 25 1/4”High
  - with Riser Bar/Bottom Trim, 27 1/4” High

Optional Accessories

- Extended Surround Kit
  40”Wide x 30 1/4” High
  #156055 - Matte Black
  #156056 - Jøtul Iron

Masonry Fireplace Requirements

- Chimney Height:
  Minimum - 15 ft. (4.57 meters)
  Maximum - 33 ft. (10.5 meters)
- Minimum Fireplace Dimensions

  A: Front Width*- 32” (813 mm)
  B: Height** - 19 1/2” (495 mm)
  C: Rear Width - 22 3/4” (577 mm)
  D: Rear Height - 16 3/4” (425 mm)
  E: Depth - 16” (406 mm)

* Width accommodates clearance for Surround panel attachment and blower cord routing.

** Add 2 inches for use with optional Riser Bar.

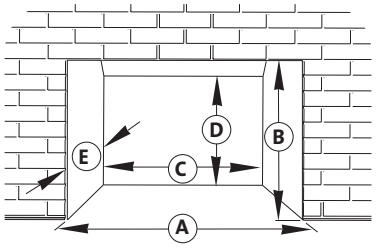


Figure 56.
Minimum Fireplace Requirements

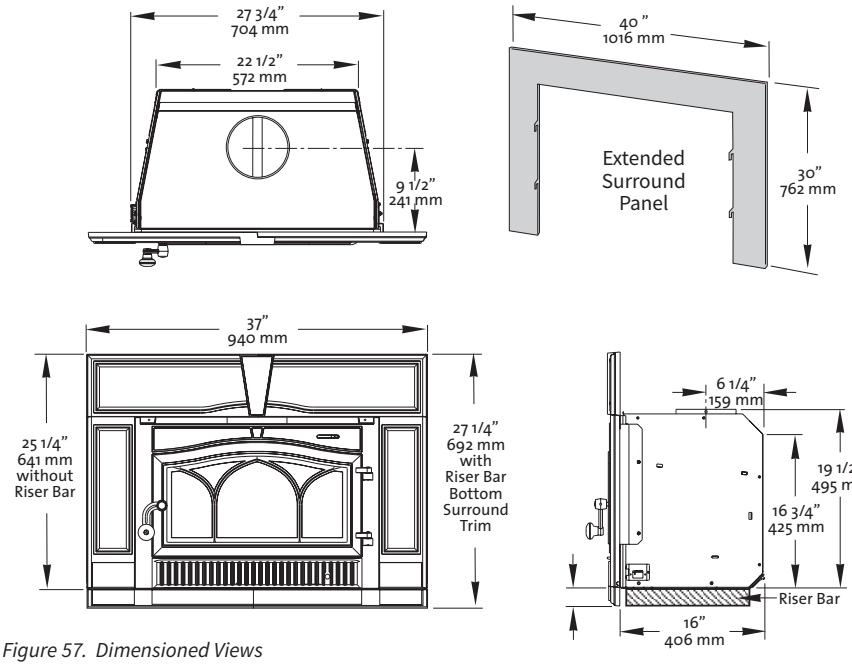


Figure 57. Dimensioned Views

Masonry Fireplace Requirements

- The entire fireplace and chimney must be cleaned and inspected before installation. The system must meet local building code requirements.
- The structure and components must be free of any defects such as cracks or broken bricks or flue tiles. Any damage must be repaired before installation.
- The chimney must have a clay tile liner or a stainless steel liner utilizing a positive connection.
- DO NOT REMOVE BRICKS OR MORTAR FROM THE FIREPLACE OR CHIMNEY STRUCTURE. However, masonry or steel may be removed from the smoke shelf and adjacent damper frame area to accommodate installation of a chimney liner, provided that their removal will not weaken the structure of the fireplace or chimney, and will not reduce protection for combustible materials.

Factory-Built Fireplace Requirements

The Jøtul C 350 may be installed into a factory-built fireplace with the following conditions:

- The factory-built fireplace must be listed per UL 127 or ULC S610.
- Installation must include a full height listed chimney liner meeting type HT requirements (2100F) per UL 1777 (U.S.) or ULC S635 (CAN). The liner must be securely attached to the insert flue collar and the chimney top.
- The damper area must be sealed to prevent passage of room air into the chimney cavity.
- Circulating air chambers (i.e. in a steel fireplace liner or metal heat circulator) may not be blocked.
- Air flow within and around the fireplace shall not be altered by installation of the insert. The C 450 Surround Panels comply with this requirement.
- Alteration of the fireplace is limited to
  a) removal of the damper for liner installation
  b) removal of external, nonfunctional trim which must be stored within the fireplace for replacement.
- Final approval is contingent on the authority having local jurisdiction.

[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Clearance to Combustible Materials

- There may be no combustible materials located anywhere within 36” (914 mm) of the front of the fireplace insert. This precaution includes items such as drapes or doors that could swing into the area within 36” of the insert.
- Clearance (open space) must be maintained between the fireplace insert and combustible materials located above and to the side. See figures 58 and 59 for minimum dimensions.

Minimum Clearances

Clearances are measured from the hearth surface, glass, or centerline as noted below.

A: Hearth Protection, width from centerline..... 17 1/4” (438mm)

B: Hearth Protection, forward from door opening ..... 16” (406 mm)

C: Side Trim, 1” max. thickness, from centerline ..... 19 1/2” (495 mm)

D: Side Room Wall, from centerline...54 1/2” (1384mm)

E: Upper Trim: from hearth, 1” depth..... 39” (991 mm)

F: Mantel: from hearth, 3 1/2” depth..... 48” (1219 mm)

11 1/2” depth..... 54” (1372 mm)

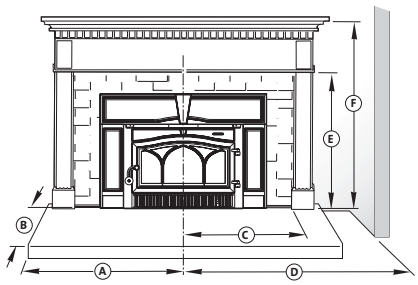


Figure 58. Clearance diagram - No heat shield protection.

Mantel Clearances

Clearance reduction to mantel construction may be made in conformance with NFPA 211 or CAN/CSA B365.

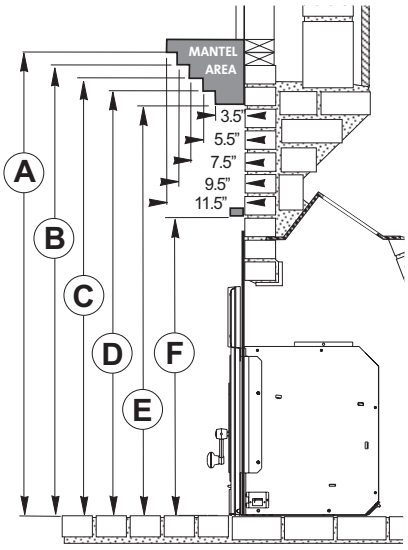


Figure 59. Mantel Clearance Detail - measured from the hearth surface to the lowest mantel surface. Riser Bar is not installed. Add 2 inches to each dimension if Riser Bar is used.

Hearth Protection Requirements

The floor area in front of fireplace insert must be protected from live sparks and radiant heat.

- Materials: Hearth protection must be noncombustible insulating board, or the equivalent mortared masonry material. Alternate protection must composed of materials as specified by NFPA 211.
- Protected Area: 16” Deep x 34 1/2” Wide for both U.S. and Canada.
  A) Front - The protection must extend at least 16 inches (406 mm) forward from the door opening.

  B) Sides - Protection must extend 17 1/4 inches (438 mm) to both sides of the centerline of the insert.
- Flush Hearth:
  Where hearth construction is flush with combustible floor materials, the insert must be elevated with use of the 2” Riser Bar. See fig. 60.
- Raised Hearth
  Where the hearth construction is a minimum of 2 1/2” thick, the insert may be installed without use of the Riser Bar. See fig. 61.

U.S. & CAN.		Additional clearance reduction may be obtained with installation of a mantel shield constructed and installed following guidelines established by NFPA 211 for the U.S. and CSA B365, latest edition, for Canada. See page 9 for details.
A	54”	
B	52 1/2”	
C	51”	
D	49 1/2”	
E	48”	
F	39”	

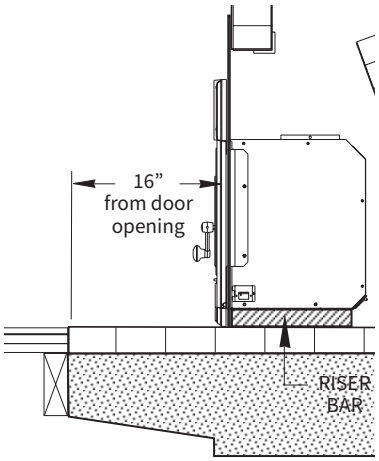


Figure 60. Required hearth protection when hearth is flush with combustible floor materials. Riser Bar must be used.

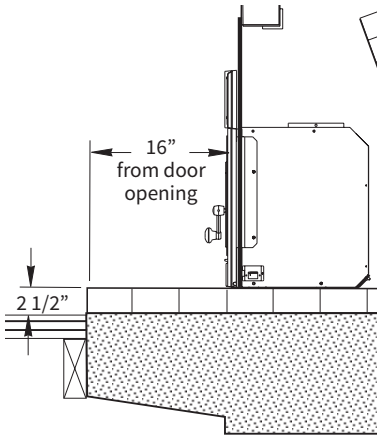


Figure 61. Minimum raised hearth requirement. Riser Bar not required.

Chimney Connection

See page 30 for details regarding connecting a fireplace insert to the fireplace chimney.

Jøtul C 450 Fireplace Insert

Heat Output [1]: 55,000 BTU/hr.
Heating Capacity [2]: up to 1,600 sq. ft.
Overall Efficiency [3]: 71%
Emissions: 4.40 grams/hr.
Burn Time: up to 8 hours
Log Length: up to 20”
Flue Size: 6”
Weight: 465 lbs.
Blower 125 cu. ft./min.

Not Approved for Mobile Homes.

Surround Panels, included

- Kennebec Classic Style
  #350577 - Matte Black
  #350578 - Blue Black Enamel
  #350579- Jøtul Iron
- Tamarack Lattice Style
  #350557 - Matte Black
  #350558 - Blue Black Enamel
  #350559- Jøtul Iron

Optional Accessories

- Mantel Heat Shield #155346
- Wide Surround Kit
  #155323 - Matte Black
  #155324 - Blue Black Enamel
  #155354 - Jøtul Iron

Masonry Fireplace Requirements

- Chimney Height:
  Minimum - 15 ft. (4.57 meters)
  Maximum - 33 ft. (10.5 meters)
- Minimum Fireplace Dimensions

  A: Front Width*-27 1/2” (698 mm)
  B: Height - 23” (584 mm)
  C: Rear Width - 25 1/2” (648 mm)
  D: Rear Height - 21 1/2” (546 mm)
  E: Depth - 14 (355 mm)
  * Width accommodates clearance for Surround panel attachment to the firebox.

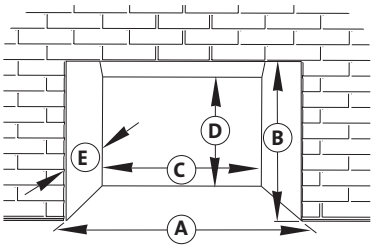


Figure 62.
Minimum Fireplace Requirements

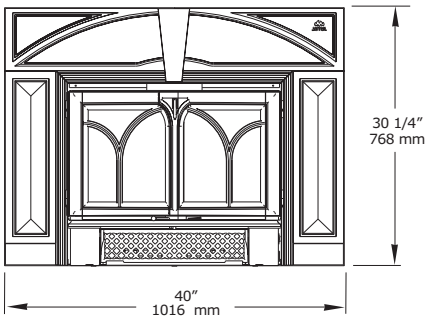


Figure 63. Overall Surround dimensions.

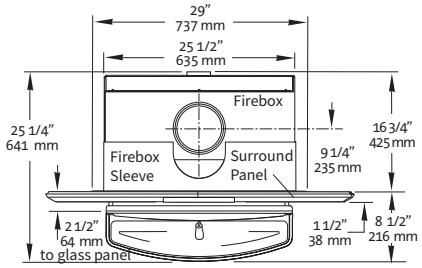


Figure 65. Maximum Sleeve Adjustment.

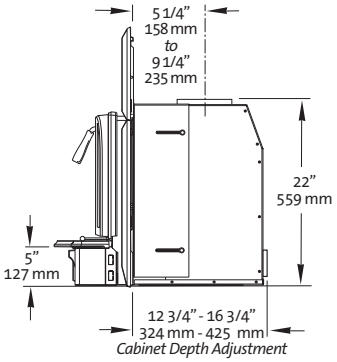


Figure 64. Flue Collar Centerline from Front Face.

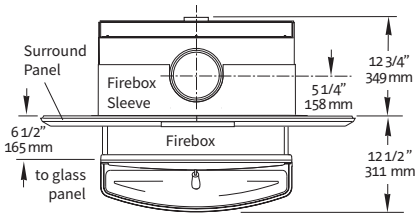


Figure 66. Minimum Sleeve Adjustment.

Masonry Fireplace Requirements

- The entire fireplace and chimney must be cleaned and inspected before installation. The system must meet local building code requirements.
- The structure and components must be free of any defects such as cracks or broken bricks or flue tiles. Any damage must be repaired before installation.
- The chimney must have a clay tile liner or a stainless steel liner utilizing a positive connection.
- DO NOT REMOVE BRICKS OR MORTAR FROM THE FIREPLACE OR CHIMNEY STRUCTURE. However, masonry or steel may be removed from the smoke shelf and adjacent damper frame area to accommodate installation of a chimney liner, provided that their removal will not weaken the structure of the fireplace or chimney, and will not reduce protection for combustible materials.

Factory-Built Fireplace Requirements

The Jøtul C 450 may be installed into a factory-built fireplace with the following conditions:

- The factory-built fireplace must be listed per UL 127 or ULC S610.
- Installation must include a full height listed chimney liner meeting type HT requirements (2100F) per UL 1777 (U.S.) or ULC S635 (CAN). The liner must be securely attached to the insert flue collar and the chimney top.
- The damper area must be sealed to prevent passage of room air into the chimney cavity.
- Circulating air chambers (i.e. in a steel fireplace liner or metal heat circulator) may not be blocked.
- Air flow within and around the fireplace shall not be altered by installation of the insert. The C 450 Surround Panels comply with this requirement.
- Alteration of the fireplace is limited to
  a) removal of the damper for liner installation
  b) removal of external, nonfunctional trim which must be stored within the fireplace for replacement.
- Final approval is contingent on the authority having local jurisdiction.

[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Clearance to Combustible Materials

- There may be no combustible materials located anywhere within 36” (914 mm) of the front of the fireplace insert. This precaution includes items such as drapes or doors that could swing into the area within 36” of the insert.
- Clearance (open space) must be maintained between the fireplace insert and combustible materials located above and to the side. See figure 61 for minimum dimensions.

Minimum Clearances

Clearances are measured from the hearth surface, glass, or centerline as noted in Fig. 61.

A: Hearth Protection, width from centerline.....20” (508 mm)

B: Hearth Protection, forward from glass .....18” (457 mm)

C: Side Trim, 1” max. thickness, from centerline ..... 20 3/4” (527 mm)

D: Side Room Wall.....44 1/4” (1124 mm)

E: Mantel- with no Heat Shield: 3 1/2” (90 mm) max. depth - ..... 49 1/2” (1257 mm)

F: Mantel- with no Heat Shield: 12” (304 mm) max. depth - 55 1/2” (1410 mm)

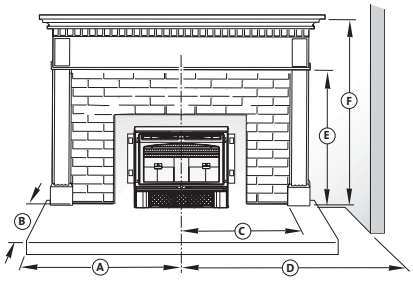
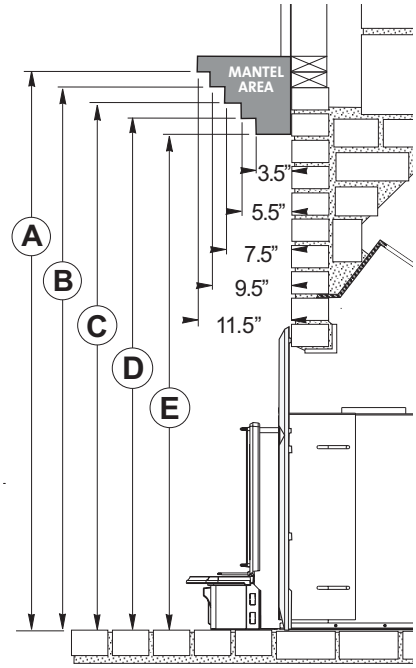


Figure 67. Clearance diagram - No heat shield protection.



For both U.S. & Canada		
	No Mantel Heat Shield	With Jøtul Mantel Heat Shield 155346
A	55 1/2”	43 1/2”
B	54”	42”
C	52 1/2”	40 1/2”
D	51”	39”
E	49 1/2”	37 1/2”

Figure 68. Mantel Clearances - measured from the hearth surface to the lowest mantel surface.

Hearth Protection Requirements

The floor area in front of fireplace insert must be protected from live sparks and radiant heat.

- Materials: Hearth protection must be noncombustible insulating board, having an R value of 2.92 (0.343 K-value) such as Kaowool® 2600 #15 or the equivalent mortared masonry material. Alternate protection must composed of materials as specified by NFPA 211.
- Protected Area: 18” Deep x 40” Wide
  A) Front - The protection must extend at least 18 inches (457 mm) forward from the glass panel in the fireplace insert doors.

  B) Sides - Protection must extend 20 inches (508 mm) to both sides of the centerline of the insert.
- Note that the firebox may extend out forward of the fireplace face depending on where the cabinet sleeve has been set to accommodate flue connection. Always measure hearth protection from the final, installed position of the firebox and glass doors. See figures 9 and 10.

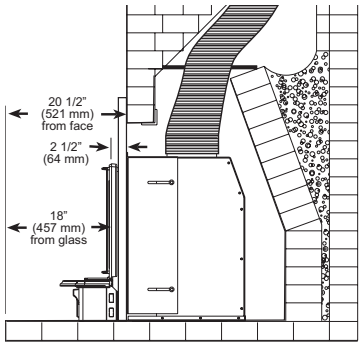


Figure 70. Sleeve adjustment results in minimum firebox extension forward of fireplace face.

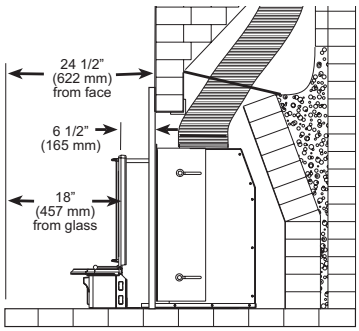


Figure 71. Provide hearth protection to accommodate maximum firebox extension forward of fireplace face.

Jøtul C 550 Rockland Fireplace Insert

Heat Output [1]:	65,000 BTU/hr.
Heating Capacity [2]:	up to 2,000 sq. ft.
Overall Efficiency [3]:	71%
Emissions:	7.1 grams/hr.
Burn Time:	up to 10 hours
Log Length:	up to 24”
Flue Size:	6”
Weight:	550 lbs.
Dual Blowers	90 cu. ft./m each.

Not Approved for Mobile Homes.

Surround Panels, included

- 40” Wide x 31 5/8”High

Optional Accessories

- Extended Surround Kit
  44”Wide x 34” High
  #156432 - Matte Black
  #156433 - Jøtul Iron
- Mantel Heat Shield #156448

Masonry Fireplace Requirements

- Chimney Height:
  Minimum - 15 ft. (4.57 meters)
  Maximum - 33 ft. (10.5 meters)
- Minimum Fireplace Dimensions

  A: Front Width*- 33” (838 mm)
  B: Height - 23 3/4” (603 mm)
  C: Rear Width - 24” (610 mm)
  D: Rear Height - 22” (559 mm)
  E: Depth - 18” (457 mm)

* Width accommodates clearance for Surround panel attachment and blower cord routing.

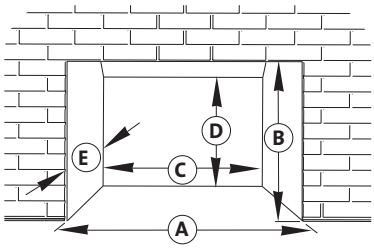
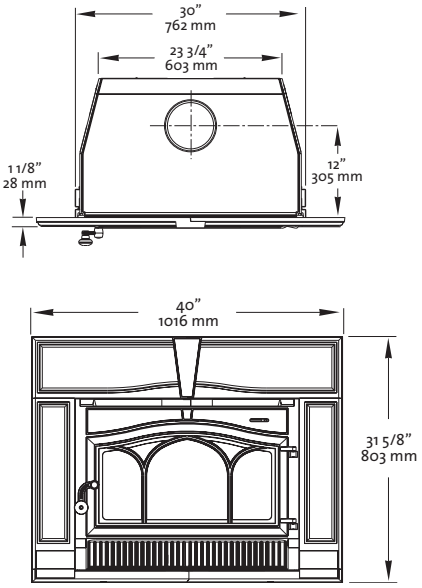


Figure 72.
Minimum Fireplace Requirements



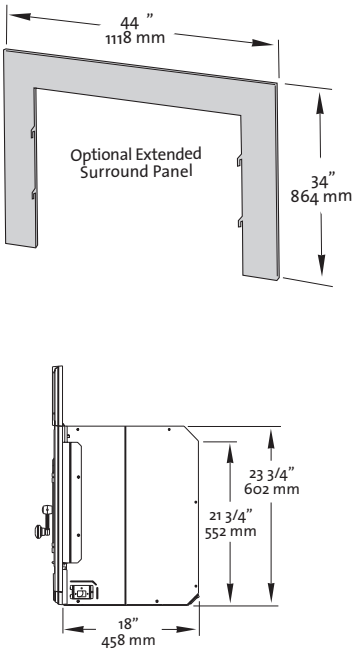


Figure 73. Dimensioned Views

Masonry Fireplace Requirements

- The entire fireplace and chimney must be cleaned and inspected before installation. The system must meet local building code requirements.
- The structure and components must be free of any defects such as cracks or broken bricks or flue tiles. Any damage must be repaired before installation.
- The chimney must have a clay tile liner or a stainless steel liner utilizing a positive connection.
- DO NOT REMOVE BRICKS OR MORTAR FROM THE FIREPLACE OR CHIMNEY STRUCTURE. However, masonry or steel may be removed from the smoke shelf and adjacent damper frame area to accommodate installation of a chimney liner, provided that their removal will not weaken the structure of the fireplace or chimney, and will not reduce protection for combustible materials.

Factory-Built Fireplace Requirements

The Jøtul C 550 may be installed into a factory-built fireplace with the following conditions:

- The factory-built fireplace must be listed per UL 127 or ULC S610.
- Installation must include a full height listed chimney liner meeting type HT requirements (2100F) per UL 1777 (U.S.) or ULC S635 (CAN). The liner must be securely attached to the insert flue collar and the chimney top.
- The damper area must be sealed to prevent passage of room air into the chimney cavity.
- Circulating air chambers (i.e. in a steel fireplace liner or metal heat circulator) may not be blocked.
- Air flow within and around the fireplace shall not be altered by installation of the insert. The C 550 Surround Panels comply with this requirement.
- Alteration of the fireplace is limited to
  a) removal of the damper for liner installation
  b) removal of external, nonfunctional trim which must be stored within the fireplace for replacement.
- Final approval is contingent on the authority having local jurisdiction.

[1] Maximum Heat Output based on kg of dry hardwood burned per hour.
[2] Heating Capacity and Burn Time will vary depending on home construction, climate, fuel type, and operation.
[3] Overall Efficiency is based on a burn rate of .75 kg hardwood per hour.

Clearance to Combustible Materials

- There may be no combustible materials located anywhere within 36” (914 mm) of the front of the fireplace insert. This precaution includes items such as drapes or doors that could swing into the area within 36” of the insert.
- Clearance (open space) must be maintained between the fireplace insert and combustible materials located above and to the side. See figures 58 and 59 for minimum dimensions.

Minimum Clearances

Clearances are measured from the hearth surface, glass, or centerline as noted below.

A: Hearth Protection, width from centerline..... 18 1/2” (470 mm)

B: Hearth Protection, forward from door opening ..... U.S: 16” / CAN 20” (508 mm)

C: Side Trim, 1” max. thickness, from centerline ..... 21 3/4” (552 mm)

D: Side Room Wall, from centerline...54 1/2” (1384mm)

E: Upper Trim: from hearth, 1”depth U.S: 51 3/4 / CAN: 57 1/2” (1460)

F: Mantel: from hearth, 3 1/2” depth - U.S: 51 3/4 / CAN: 57 1/2” (1460)

11 1/2” depth - U.S: 57 3/4 / CAN: 63 1/2” (1613)

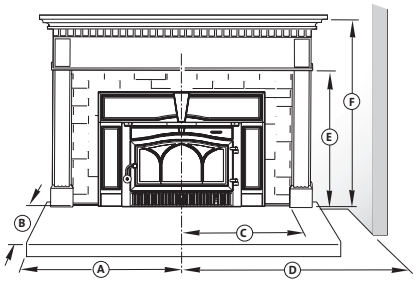
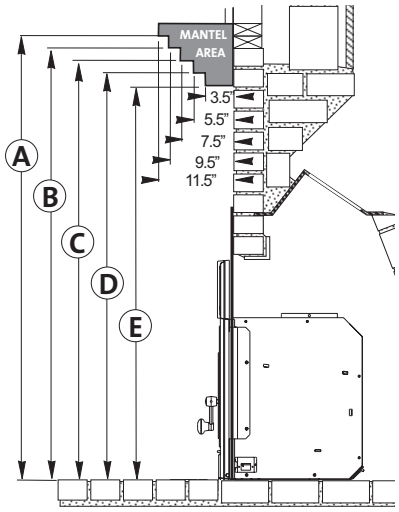


Figure 74. Clearance diagram - No heat shield protection.

Mantel Clearances

Clearance reduction to mantel construction may be made in conformance with NFPA 211 or CAN/CSA B365.



	U.S.	CAN.	U.S./CAN w/ Mantel Heat Shield
A	57 3/4”	63 1/2”	48”
B	56 1/4”	62”	46 1/2”
C	54 3/4”	60 1/2”	45”
D	53 1/4”	59”	43 1/2”
E	51 3/4”	57 1/2”	42”

Figure 75. Mantel Clearance Detail - measured from the hearth surface to the lowest mantel surface.

Hearth Protection Requirements

The floor area in front of fireplace insert must be protected from live sparks and radiant heat.

- Materials: Hearth protection must be noncombustible insulating board such as 1/2” millboard, or the equivalent mortared masonry material. Alternate protection must composed of materials as specified by NFPA 211.
- Protected Area:
  U.S: 16” Deep x 37” Wide
  CAN: 20” Deep x 37” Wide
  U.S: Front - The protection must extend at least 16 inches (406 mm) forward from the door opening as in Fig. 76. (14 7/8” from Surround surface).

  Canada: Front - Protection must extend 20” forward from the door opening (18 7/8” from the Surround surface). Front protection may be reduced to 18” under the following conditions:
  a) it is composed of noncombustible material having an R value of .5 or higher, such as 1/2” millboard
  b) it is raised a minimum of 2 1/2” and constructed on noncombustible materials in a code-approved masonry fireplace.

  U.S. & Canada Sides - Protection must extend 18 1/2” to both sides of the centerline of the insert.

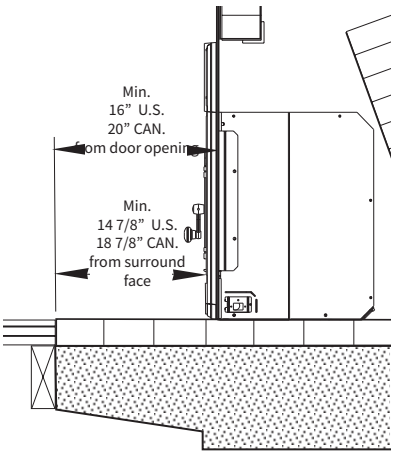


Figure 76. Required hearth protection when hearth is flush with combustible floor materials.

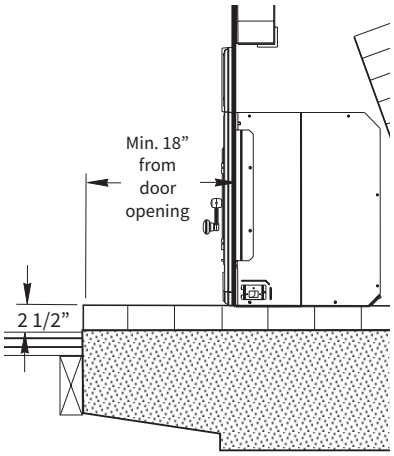


Figure 77. Canada only: Minimum depth with code-approved raised hearth.

Chimney Connection

See page 30 for details regarding connecting a fireplace insert to the fireplace chimney.

Chimney Connection

A positive connection must be made between the fireplace insert and the chimney by one of the two following approved methods.

In the U.S: See fig. 78. The insert is connected to a listed stainless steel flexible connector that extends beyond the chimney flue tile liner. A sealed block-off plate must be installed at the damper area of the existing fireplace. Check local codes.

In Canada: See fig. 79. The fireplace insert must be installed with a continuous chimney liner of 6" (152 mm) diameter extending from the fireplace insert to the top of the chimney. The chimney liner must conform to the Class 3 requirements of CAN/ULC-S635, Standard for Lining Systems for Existing Masonry or Factory-Built Chimneys and Vents, or CAN/ULC-S640, Standard for Lining Systems for New Masonry Chimneys.

The chimney flue size should not be less than the cross-sectional area of the insert flue collar.

The cross-sectional area of the flue of a chimney with no walls exposed to the outside below the roofline shall not be more than three times the cross-sectional area of the insert flue collar.

The cross-sectional area of the flue of a chimney with one or more walls exposed to the outside below the roofline shall not be more than two times the cross-sectional area of the insert flue collar.

Larger chimney flues should be relined with a listed or code-approved liner.

Do not use aluminum or galvanized steel pipe for chimney connection components - these materials are not suitable for use with solid fuel.

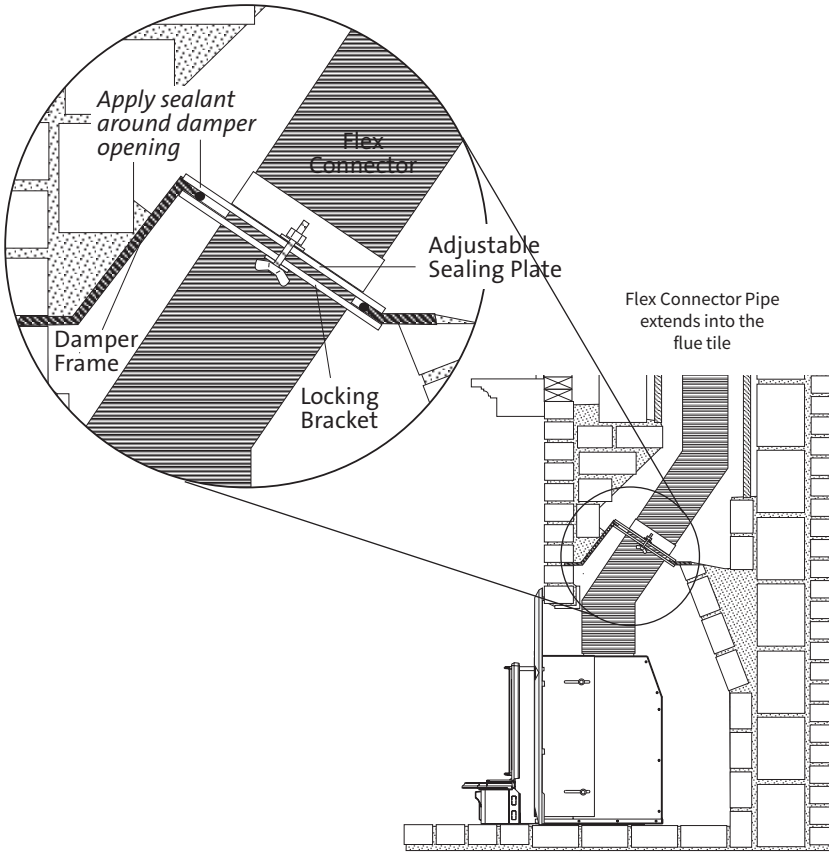


Figure 78. Positive Chimney Connection - U.S.

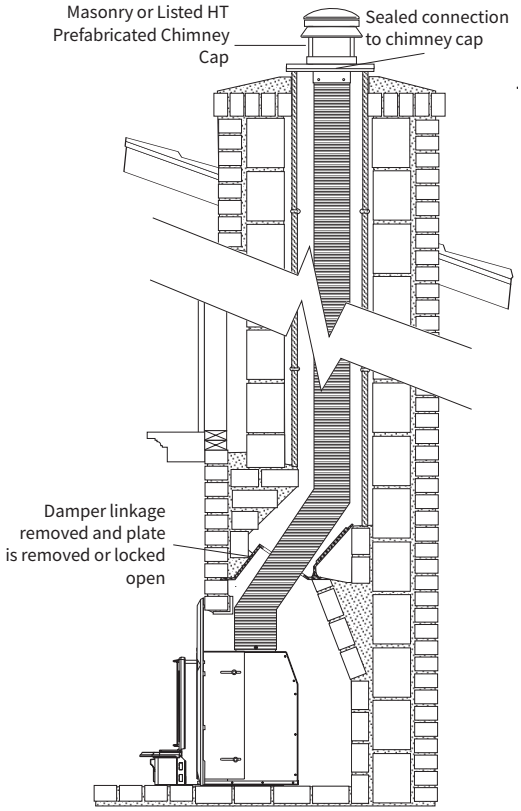


Figure 79. Positive Chimney Connection - Canada.

Jøtul has a policy of constant improvement and upgrading. Products therefore may differ in specification, design, material, cost or dimensions at any time without prior notice.