Jøtul F 520
EN 16510
Manual Version P03

JØTUL F 520
JØTUL F 520 LB

UK - Installation and operating instructions 3

F 520

F 520 LB

JØTUL

The manuals which are enclosed with the product must be kept throughout the product's entire service life.

EU no. 215/1186 - 24/04/2015

Datasheet / Fiche Technique / Ficha técnica /
Scheda dati / Datasheet / Datenblatt / Dane techniczne

Requirements / Exigences / Requisitos / Requisiti / Vereisten / Forderungen / Wymagania	
Supplier / Fabricante / Fornitore / Vereisten / Lieferant / Producent:	Jøtul AS
Product models / Produits concernés / Modelos / Modelli / Product modellen / Varianten der Feuerstelle / Modele produktu	JØTUL F 520, JØTUL F 520 HT, JØTUL F 520 LB
Energy efficiency class / Classe énergétique / Clase de eficiencia energética / Classe energetica / Energie efficiëncy klasse / Energieeffizienz-Klasse / Klasa efektywności energetycznej	A
Direct heat output / Puissance réelle de sortie / Potencia calorifica emitida / Emissione di calore diretta / Directe warmte afgifte / Nennwärmeleistung / Bezpośrednia moc grzewcza	7,5 kW
Energy efficiency index / Index de rendement énérgétique/ Índice de eficiencia energetica / Indice di efficienza energetica / Energie efficiëncy index / Energieeffizienz-Index / Indeks efektywności energetycznej	102
Efficiency at nominal heat output / Rendement à puissance nominale / Eficiencia al rendimiento nominal / Efficienza alla potenza nominale / Efficiency bij nominale warmte afgifte / Wirkungsgrad bei Nennheizleistung / Sprawność dla mocy znamionowej	77 %
• Any specific precautions that shall be taken when the local space heater is assembled installed or maintained. • Toutes les précautions spécifiques doivent être prises lors de l'assemblage, l'installation ou l'entretien de l'appareil. • Cualquier precaución específica que deba tenerse en cuenta durante el montaje, instalación o mantenimiento del equipo de calefacción • Precauzioni specifiche da prendere quando il riscaldatore viene assemblato, installato o mantenuto in uno spazio. • Eventuele specifieke voorzorgsmaatregelen die worden genomen wanneer de plaatselijke ruimteverwarming wordt gemonteerd, geïnstalleerd of onderhouden. • Besondere Maßnahmen bei Montierung, Installation und Wartung. • Wszelkie szczególne środki ostrożności, które należy podjąć, gdy lokalny ogrzewacz pomieszczeń jest zamontowany lub konserwo	• Fire safety precautions such as safety distances when installing, national standards, local codes and regulations. See the Instructions manual. • Les précautions d'incendie telles que les distances de sécurité lors de l'installation, le suivi des normes, les codes locaux et les règlementations nationales. Veuillez lire le manuel d'installation. • Precauciones frente a incendios como distancia de seguridad en la instalación, estándares nacionales, códigos locales y reglamentos. Lea el manual de instalación. • Precauzioni per la sicurezza antincendio come le distanze di sicurezza durante l'installazione, le normative nazionali e locali. Leggere il manual. • Brandveiligheidsmaatregelen, zoals veiligheids-afstanden bij installatie, nationale normen, lokale codes en voorschriften. Lees de installatiehandleiding. • Für brenntechnische Verhältnisse, wie z.B. Aufstellbedingungen und nationale Forderungen. Siehe die Montage- und Bedienungsanleitung. • Środki bezpieczeństwa przeciwpożarowego, takie jak odległości od materiałów palnych jakie należy zachować podczas instalacji, normy krajowe, lokalne przepisy i regulacje. Patrz instrukcja obsługi.

UK - Installation and operating instructions

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2.0 Technical Data

Installation

- All local regulations, including those referring to national and European Standards as well as the information provided in this assembly and instruction manual need to be complied with when installing the appliance.
- When you install any kind of fireplace or stove, you must inform the local building and housing authorities. In addition you are obliged to have the installation inspected and approved by a local chimney sweep prior to the commissioning
- To ensure best possible functionality and safety for your installation, we advise you to call a professional fitter. Your Jøtul Dealer will be able to recommend a qualified fitter in your area. For information on Jøtul Dealers, please go to www.jotul.com

Safety

Any changed made to the product by the dealer, fitter or user could result in the product and safety functions not functioning as intended. The same applies to the fitting of accessories or extra equipment not supplied by Jøtul AS. This could also be the case if parts that are neccessary for the operation and safety of the stove are dismantled or removed.

This stove is produced in accordance with type approval for the product, which also covers the product's Assembly and Instruction Manual. Read and follow the user operating instructions carefully.

The Declaration of Performance (DoP) is available on www.jotul.com

Technical data

Test in compliance with EN 16510			
	Classification of appliance	Type BF	
P_{nom}	Nominal heat output	7,5	kW
η_{nom}	Energy efficiency at nominal heat output	77	%
η_s	Seasonal space heating energy efficiency at nominal heat output	67	%
EEI	Energy efficiency index	102	
	Energy efficiency class	A	
	Fuel	Wood logs *	
	Fuel length, maximum	500	mm
	Fuel consumption	2,3	kg/h
	Amount of fuel	1,7	kg
	Amount of fuel, maximum	2,5	kg
CO_{nom}	CO emission at 13% O_2 at nominal heat output	0,079	%
		988	mg/Nm^3
NO_{xnom}	NO_x emission at 13% O_2 at nominal heat output	49	mg/Nm^3
OGC_{nom}	OGC emission at 13% O_2 at nominal heat output	72	mg/Nm^3
PM_{nom}	Dust emission at 13% O_2 at nominal heat output	13	mg/Nm^3
p_{nom}	Flue draught at nominal heat output	13	Pa
	Recommended sub-pressure in the connecting piece	18-20	Pa
	Required combustion air supply	21,6	m^3/h
T_{snom}	Flue gas outlet temperature at nominal heat output	370	°C
T class	Chimney designation	T400 G	
$Ø_{f.g\ nom}$	Flue gas mass flow at nominal heat output	7,3	g/sec
V_h	Standing air loss	NPD	m^3/h
	Leakage before testing at gauge pressure of 5 Pa (1013 mbar, 27 °C)	3,18	Nm^3/h
	Leakage before testing at gauge pressure of 10 Pa (1013 mbar, 27 °C)	4,28	Nm^3/h
	Leakage before testing at gauge pressure of 15 Pa (1013 mbar, 27 °C)	6,73	Nm^3/h
CON/INT	Continuous operation (CON)/Intermittend operation (INT)	INT**	
	Reaction to fire classification	A1	
E, f	Power supply voltage, frequency	-	V

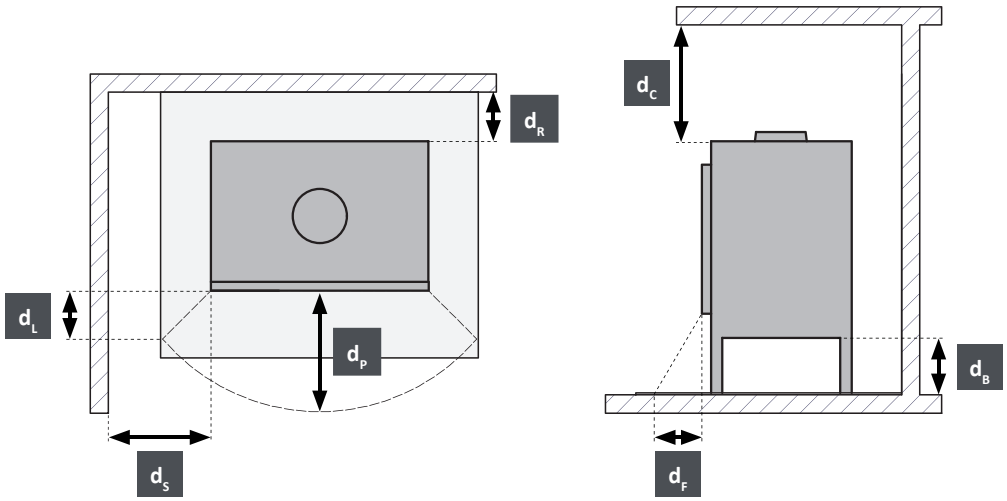
* Use only recommended fuels - designation I.

** Intermittent operation in this context means normal use of a wood-burning stove. In other words, you should let the fire die down until only the embers are left before refueling.

Technical Data

Basic technical data F 520 / F 520 HT / F 520 LB			
	Materials	Stainless steel Cast iron Ceramic stone/vermiculite Glass	
	Surface treatment	Senotherm	
	Smoke outlet	Top / Top & back / Top	
d_{out}	Diameter of the flue gas outlet	150	mm
	Fresh air connection piece external diameter	80/100	mm
L	Overall dimensions (length)	532/532/442	mm
H	Overall dimensions (height)	1000/1319/538	mm
W	Overall dimensions (width)	594	mm
m	Mass (weight)	170/201/133	kg
m_{chim}	Maximum load of a chimney the stove may carry	120	kg

Minimum distances to combustible materials			
d_R	Rear (Uninsulated/insulated flue pipe and extra heat shield)	300/100	mm
d_S	Sides	700	mm
d_C	Ceiling	750	mm
d_P	Front	900	mm
d_F	Front to the bottom front radiation area	0	mm
d_L	Front to the side front radiation area	0	mm
d_B	Minimum distance below the bottom not regarding feet	0	mm
d_{non}	Minimum distances to non-combustible walls.	50	mm
	Corner	565	mm
	The code for insulated flue pipe	T400-N1-D-Vm-L50050-G100	

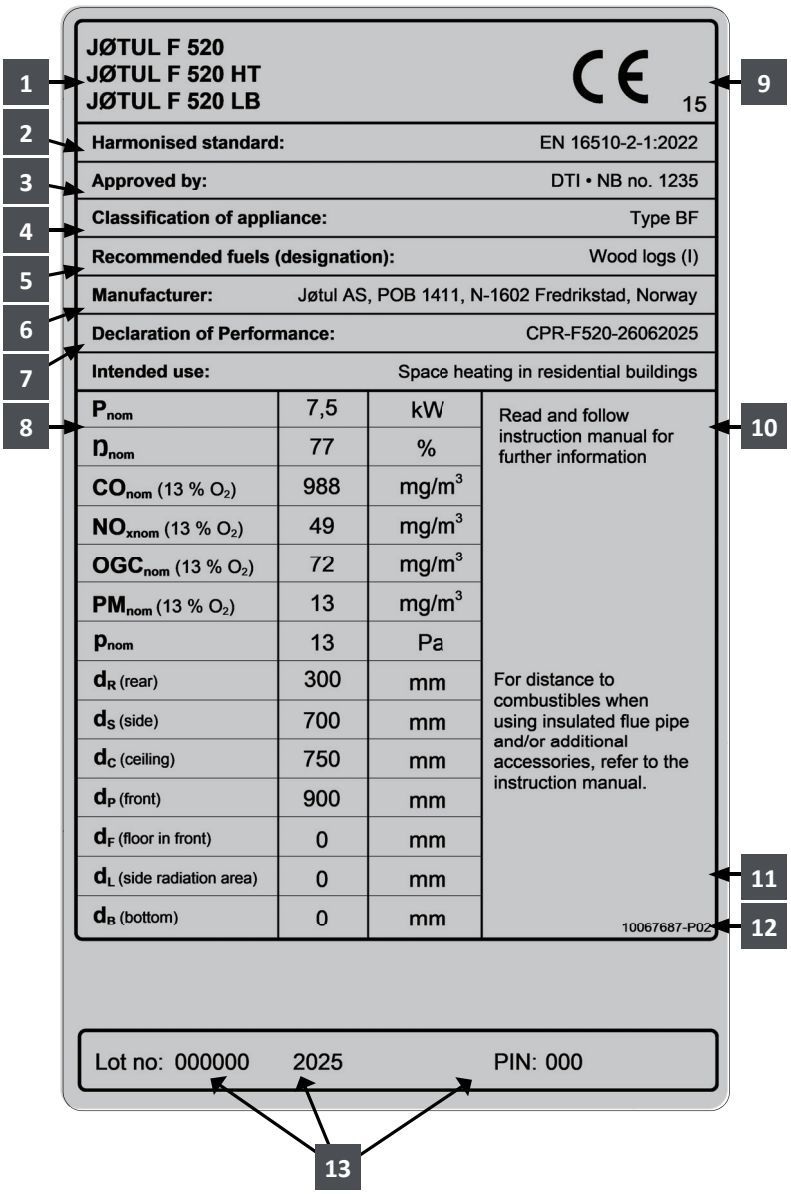


Approval Label

All Jøtul wood-burning stoves are fitted with an approval label that specifies the approval standards and the distance to combustible materials.

The approval label is located at the rear of the stove.
The approval label provides a pin and lot number. These numbers should be quoted when contacting your dealer or Jøtul AS and is required in the event of a complaint.

Approval Label



TYPE PLATE EXPLANATION

1. Type and/or the model number or designation to enable the appliance to be identified
2. Applicable standards
3. Name of test centre/certification number
4. Classification of appliance
5. Recommended fuels
6. Manufacturer's name and address
7. DOP document number
8. Table of values:

   P_{nom} - nominal heat output

   N_{nom} - energy efficiency at nominal heat output

   CO_{nom} - CO emission at 13% O_2 at nominal heat output

   NO_{xnom} - NO_x emission at 13 % O_2 at nominal heat output

   OGC_{nom} - OGC emission at 13 % O_2 at nominal heat output

   PM_{nom} - dust emission at 13 % O_2 at nominal heat output

   p_{nom} - flue draught at nominal heat output

   Minimum distances to combustible materials:

   d_R - back

   d_S - sides

   d_C - ceiling

   d_P - front

   d_F - front to the bottom front radiation area

   d_L - front to the side front radiation area

   d_B - below the bottom (not regarding feet)

9. CE mark of conformity- The digits indicate the year of issue of the certificate
10. Product specifications and instructions
11. Waste electrical and electronic equipment
12. Type plate number
13. Product registration number

3.0 Safety

NB! To guarantee optimal performance and safety, Jøtul recommends that its stoves are fitted by a qualified installer (see www.jotul.com for a complete list of dealers).

Any modifications to the product by the distributor, installer or consumer may result in the product and safety features not functioning as intended. The same applies to the installation of accessories or optional extras not supplied by Jøtul. This may also be the case if parts that are essential to the functioning and safety of the fireplace have been disassembled or removed.

In all these cases, the manufacturer is not responsible or liable for the product and the right to make a complaint becomes null and void.

NB: Parts of the stove, in particular, the external surfaces, get hot during combustion! Exercise caution!

3.1 Fire Prevention Measures

There is a certain element of danger every time you use your fireplace. The following instructions must therefore be followed:

- The minimum safety distances when installing and using the fireplace are given in **fig. 1**.
- Ensure that furniture and other flammable materials are not too close to the fireplace. Flammable materials should not be placed within 900 mm of the fireplace.
- Allow the fire to burn out. Never extinguish the flames with water.
- The fireplace becomes hot when lit and may cause burns if touched.
- Only remove ash when the fireplace is cold. Ash can contain hot embers and should therefore be placed in a non-flammable container.
- Ash should be placed outdoors or be emptied in a place where it will not present a potential fire hazard.

In case of chimney fire:

- Close all hatches and vents.
- Keep the firebox door closed.
- Check the loft and cellar for smoke.
- Call the fire service.
- Before use after a fire an expert must check the fireplace and the chimney in order to ensure that it is fully functional.

Steel chimney

If a top-mounted steel chimney is used, fit an uninsulated pipe from the burn chamber to approx. 10 mm over the top grate. Make sure that the gasket is properly seated between the flue pipe and the smoke outlet. Then fit the steel chimney in accordance with the chimney supplier's installation instructions.

3.2 Glove

Use the protective glove when handling the product when it is hot.

3.3 Floor

Foundation

You need to make sure the foundation is suitable for a fireplace. See **"2.0 Technical Data"** for specified weight.

We recommend the removal of any flooring that is not attached to the foundation ("floating floors") beneath the installation.

Jøtul recommends that any flooring made of combustible material, such as linoleum, carpets, etc. should be removed from under the floor plate.

Requirements for protection of inflammable floors in front of the fireplace

The front plate must comply with national laws and regulations. Contact your local building authorities regarding restrictions and installation requirements.

3.4 Walls

Distance to walls made of combustible material - see **fig. 1a**

Distance to combustible wall protected by firewall: See **fig. 1b.**

The fireplace may be used with an uninsulated flue pipe provided the distances between the fireplace and walls made of combustible materials are as shown in **fig. 1a**. Alternative distances with shielded or insulated flue pipe are also displayed in fig. 1b.

NB: Place the product in such a way that it is possible to clean the stove, the flue pipe and the chimney passage.

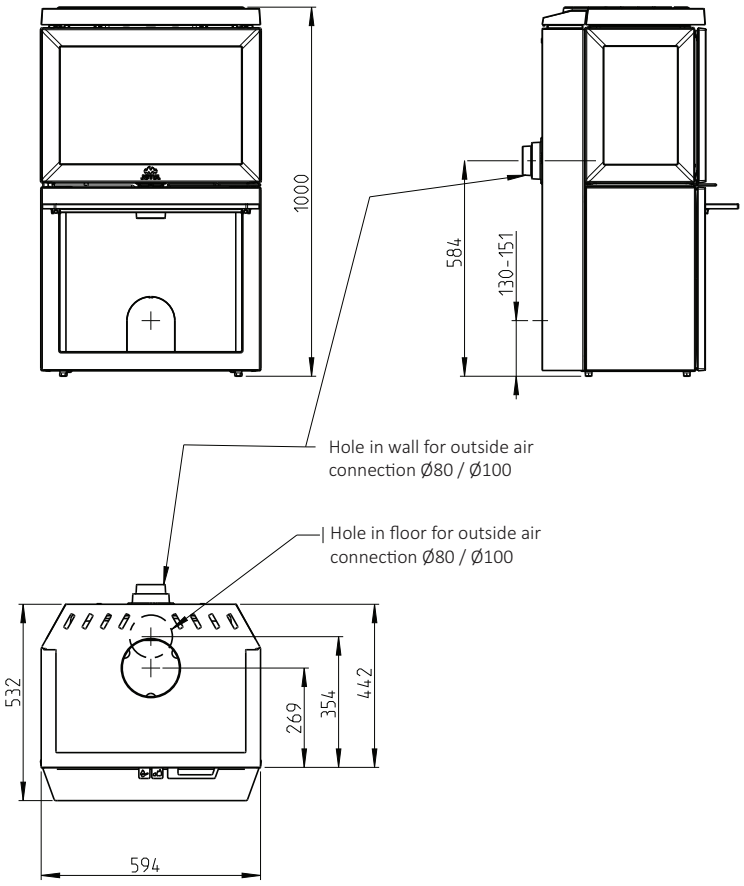
Note! Ensure that furniture and other flammable materials are not too close to the fireplace. Flammable materials should not be placed within 900 mm of the fireplace.

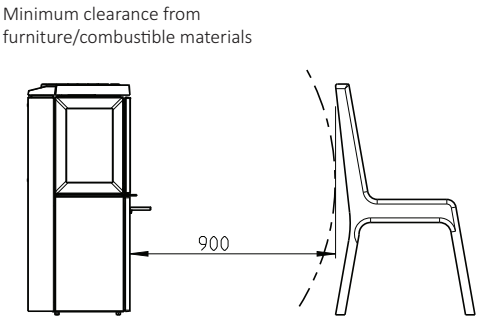
NB: Make sure that furniture and other household items are not so close as to get dried up by the stove.

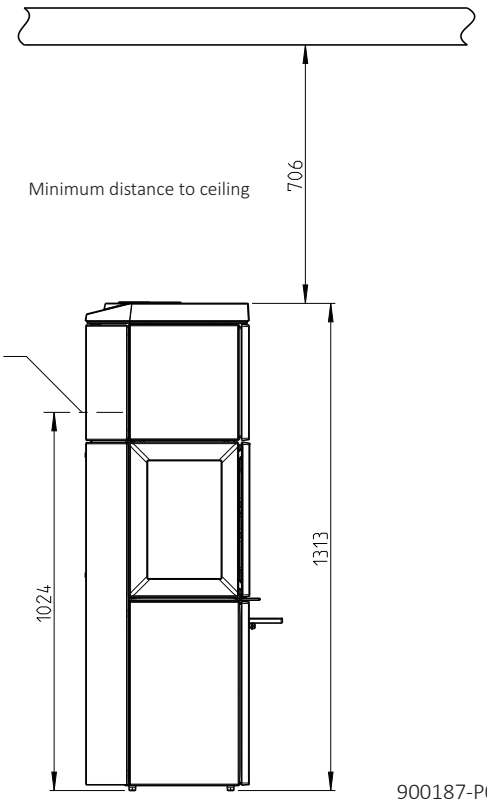
3.5 Ceiling

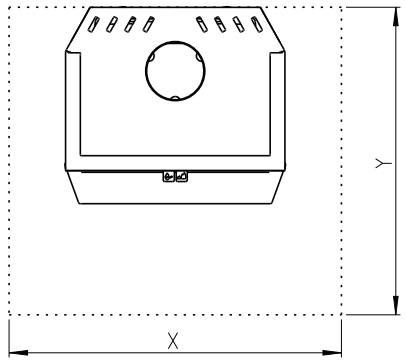
The fireplace can be fitted with the top edge of the hot air opening of the surround **at least 750 mm** below a ceiling of inflammable material.

JØTUL F 520 / JØTUL F 520 High Top









Min. dimensions for floor plate
X/Y = in compliance with national laws and regulations

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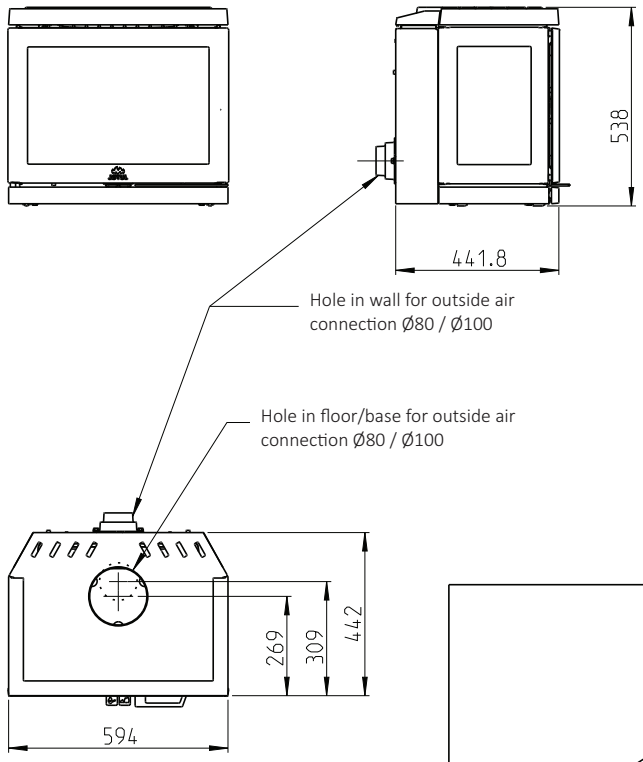
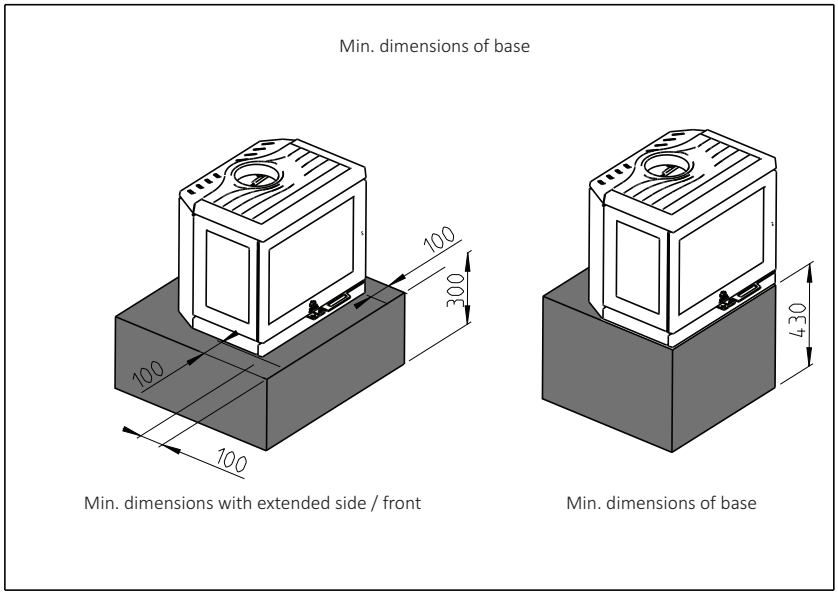
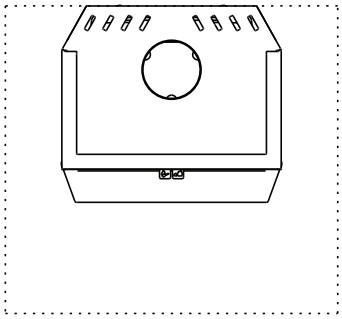
Jøtul F 520 LB

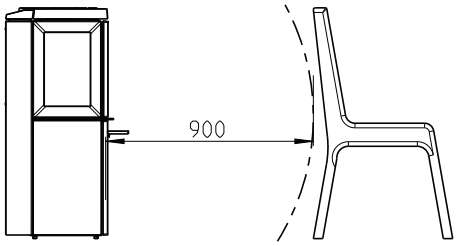






Min. dimensions for floor plate
X/Y = in compliance with national laws and regulations

Minimum clearance from furniture/combustible materials



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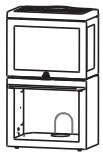
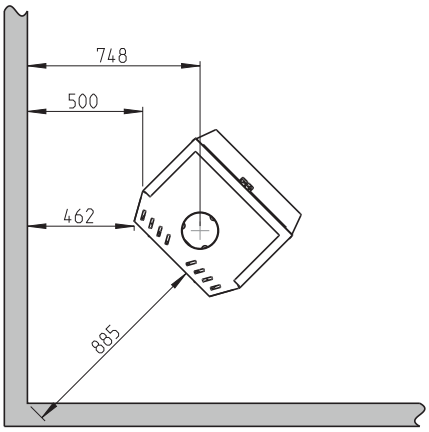
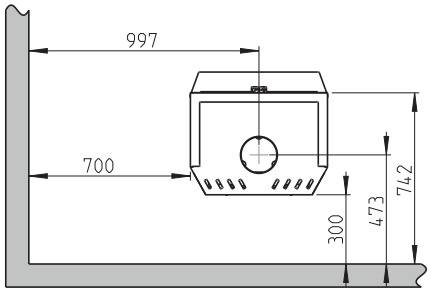
F 520 /F 520 LB / F 520 HT :
Minimum distance to combustible wall

With semi-insulated chimney/shielded flue pipe all the way down to the product

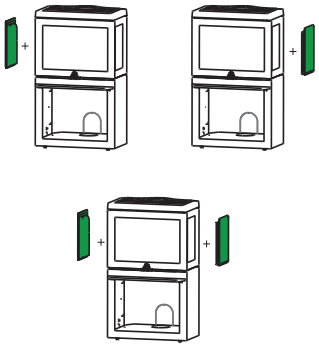
Combustible wall

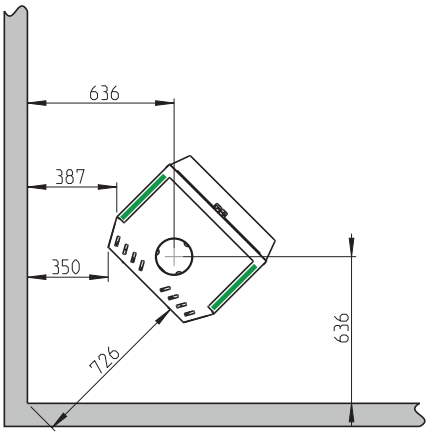


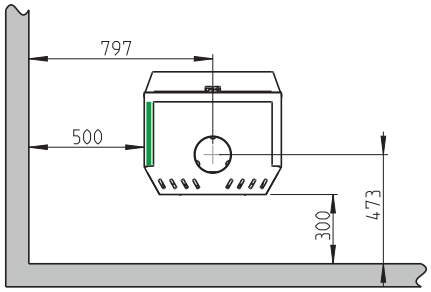




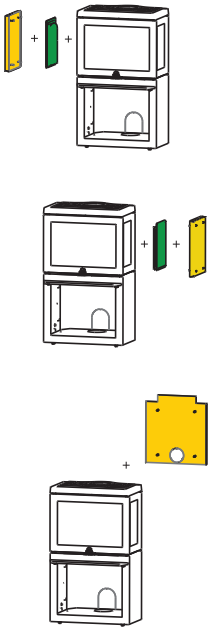
F 520 / F 520 LB / F 520 HT
With retrofitted cast iron side

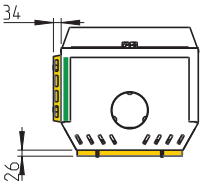


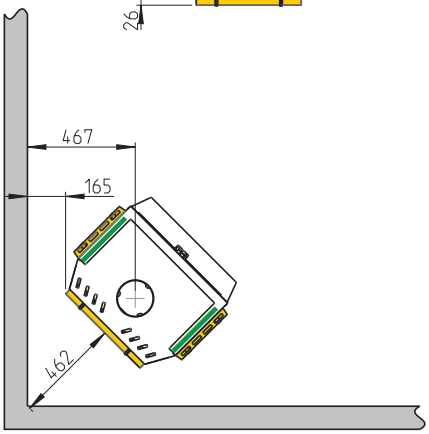


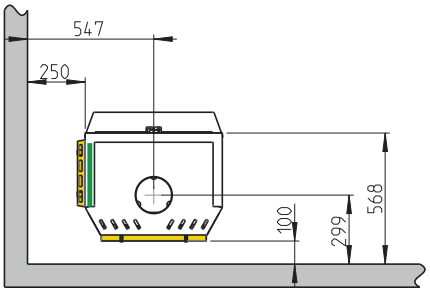


F 520 / F 520 LB / F 520 HT
- With retrofitted cast iron side and convection kit side
- With retrofitted convection kit rear









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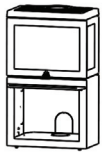
ENGLISH

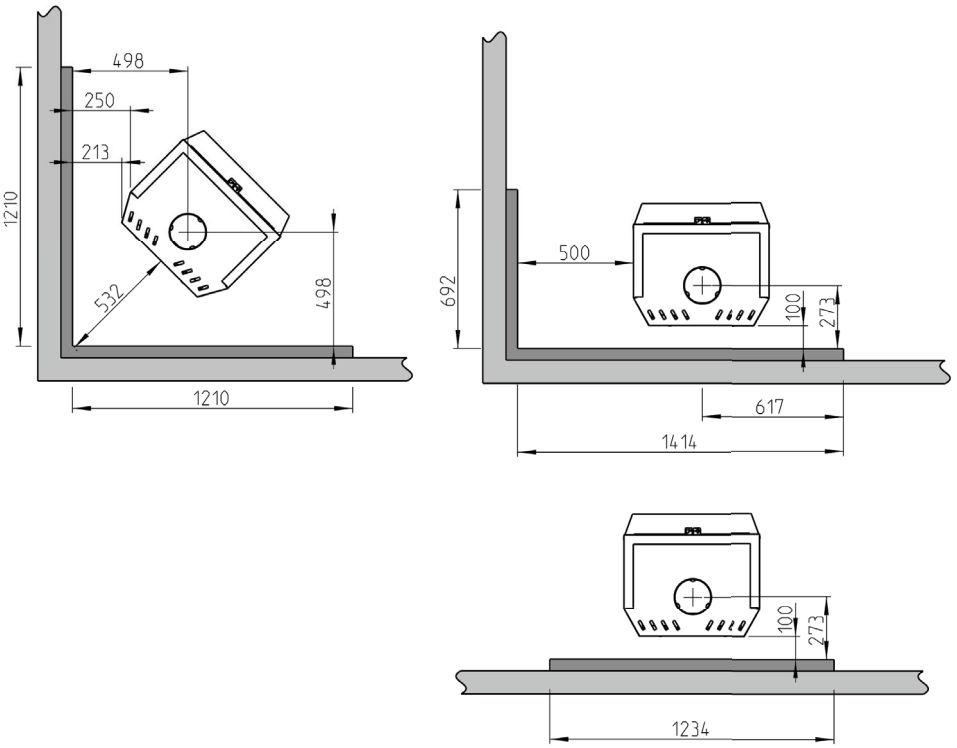
F 520 / F 520 LB / F 520 HT: Minimum distance to combustible wall protected by approved fireproof wall

With semi-insulated chimney/shielded flue pipe all the way down to the product

Combustible wall

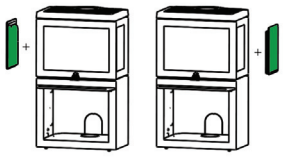
Firewall

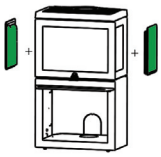


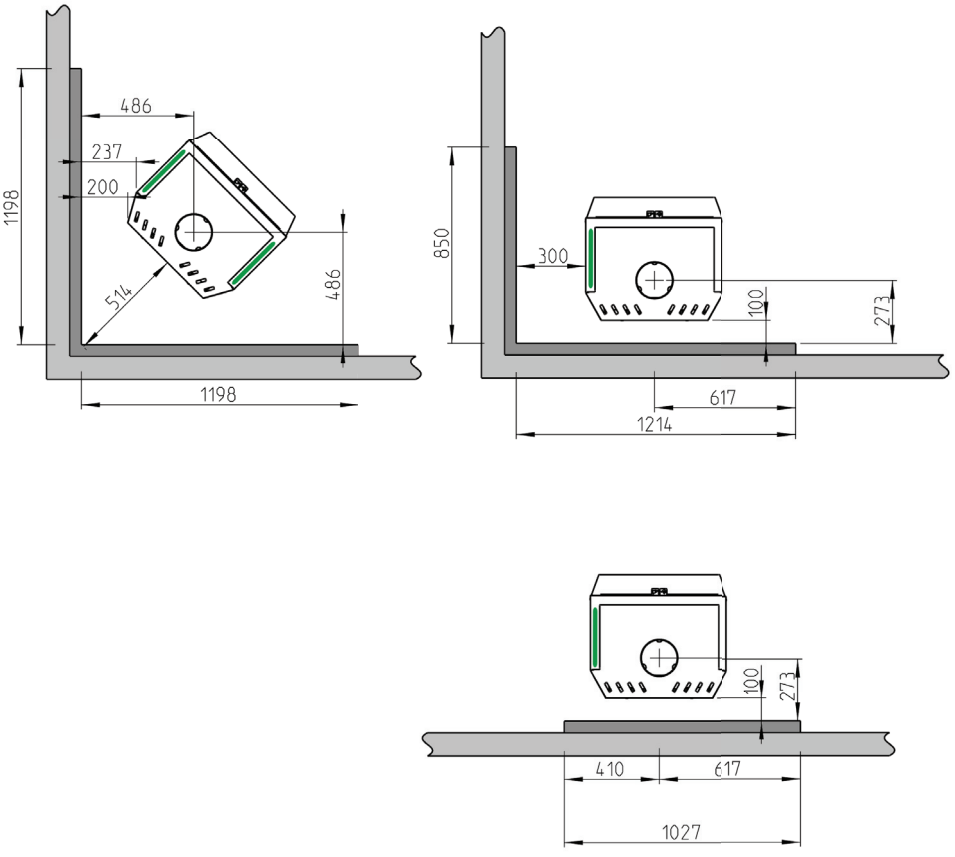


F 520 / F 520 LB / F 520 High Top:

With retrofitted cast iron side







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Fresh air supply

The air used for combustion in any well-insulated house needs to be replaced. This is particularly important in houses with mechanical ventilation. Such replacement air can be procured in several ways. The most important thing is to supply the air to the room where the stove is placed. Place the outside wall valve as close to the stove as possible and make sure that it can be closed when the stove is not in use.

For the fresh air supply connection, follow the national and local building regulations.

Extractor fans, when operating in the same room or space as the appliance, could cause problems.

Closed combustion system

Use the stove's closed combustion system if you live in recently built, airtight dwellings. Connect the external combustion air through a ventilation pipe through the wall or the floor.

Air supply

The amount of combustion air for Jøtul's products is approximately 20-40 m^3/h. The outside air connection may be fitted directly to the Jøtul F 520 through:

- the bottom/rear
- through a flexible supply hose from the outside/chimney (only if the chimney has its own duct for external air) and to the product's outside air connector.
-

Fig. 2A, through an outside wall

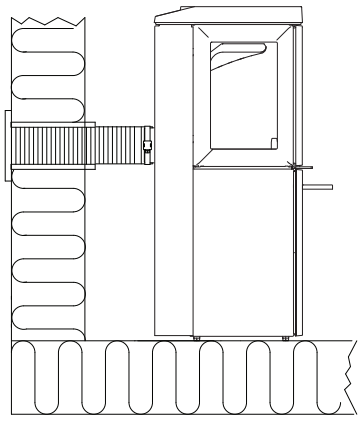


Fig. 2B, through the floor and ground plate

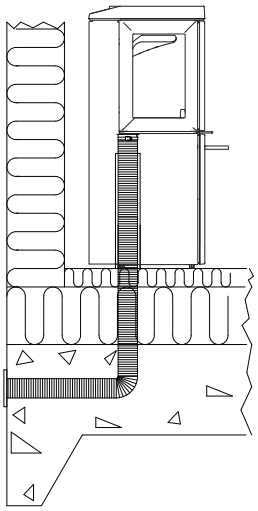


Fig. 2C, through the floor and basement

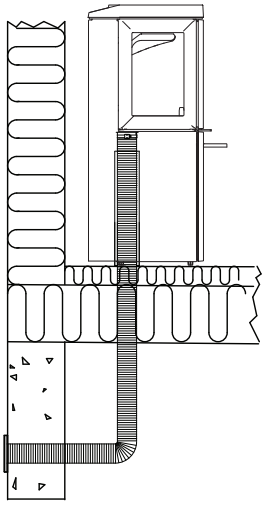
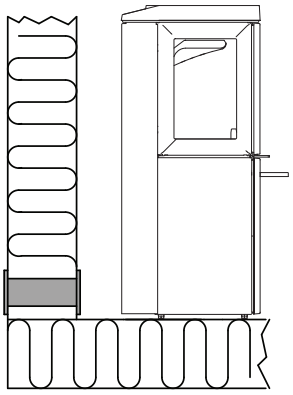


Fig. 2D, indirectly through an outside wall



4.0 Installation

NB: Check that the fireplace is undamaged before installation begins.

NB: The product is heavy! Ensure you have help when positioning and installing it. Make sure the product does not topple over.

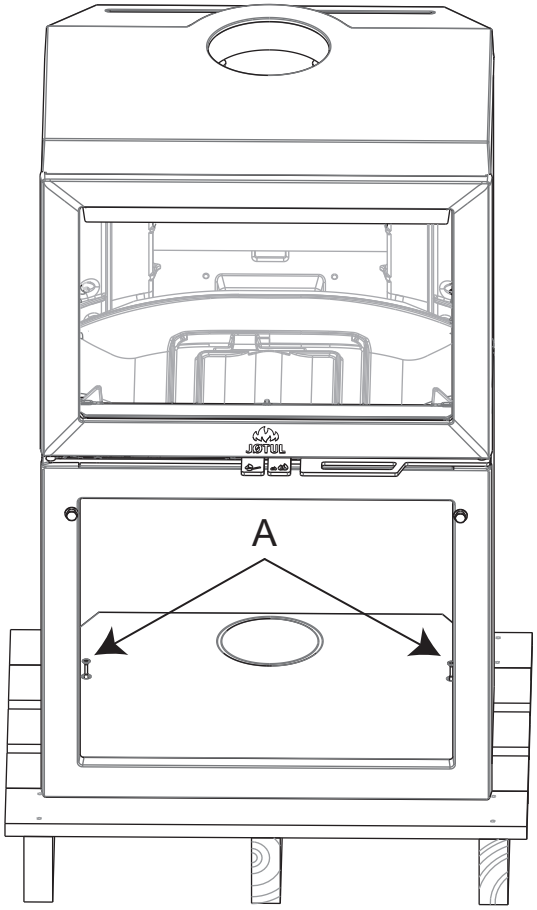
NB: Do not place anything on the top plate of the stove as this could cause permanent damage to the paint.

NB: Read the Installation and Operating instructions carefully before installing the fireplace!

- The stove must be installed in rooms with a good ventilation. A good ventilation is vital for the efficient operation of your stove.
- The appliance shall not be installed with ventilating systems which have pressure below -15 Pa.
- We recommend installing smoke detectors in the home.
- The distances specified in the manual only apply if you comply with the maximum amount of firewood. They only guarantee fire safety.
- There is no guarantee that the present building materials can withstand the temperature in relation to visual changes.
- Check that Building Regulations and any local by laws are followed during installation.

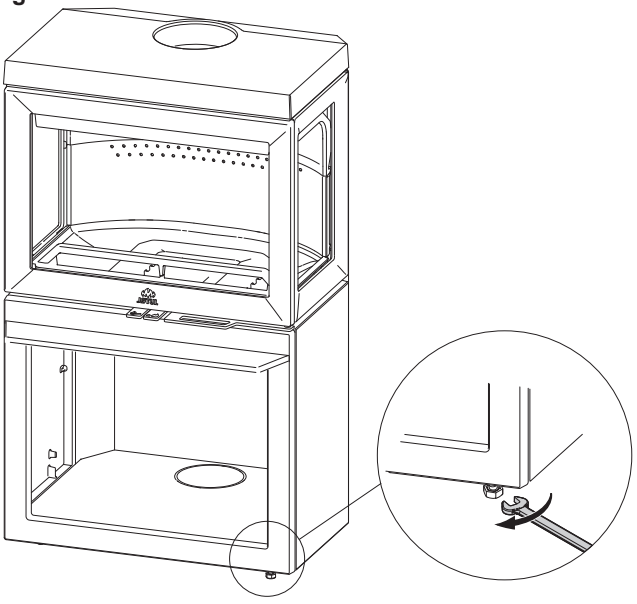
4.1 Prior to installation - Jøtul F 520

Fig. 3

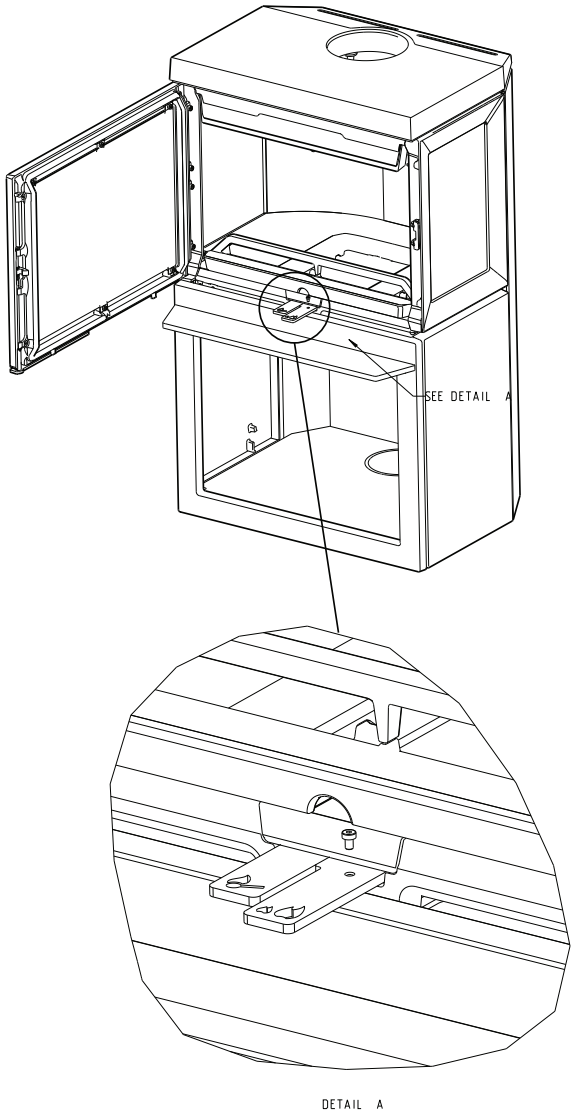


1. Remove the two transport screws **(A)** that fasten the stove to the wooden pallet.
2. Leave the stove standing on the transport pallet.
3. Check that the control lever **(B)** moves easily.

Fig. 4

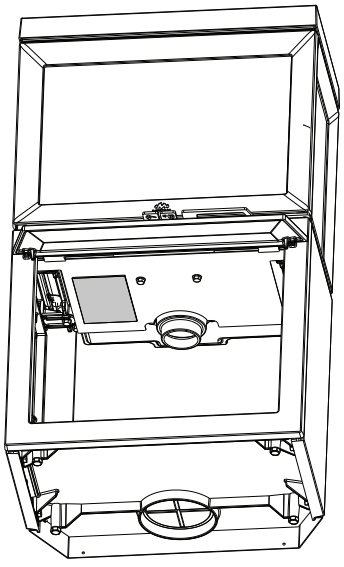


4. Lift the stove from the pallet.
5. Set up the stove and adjust using a cap wrench to a horizontal position with the 4 height adjustment screws



Approval label

Fig. 5

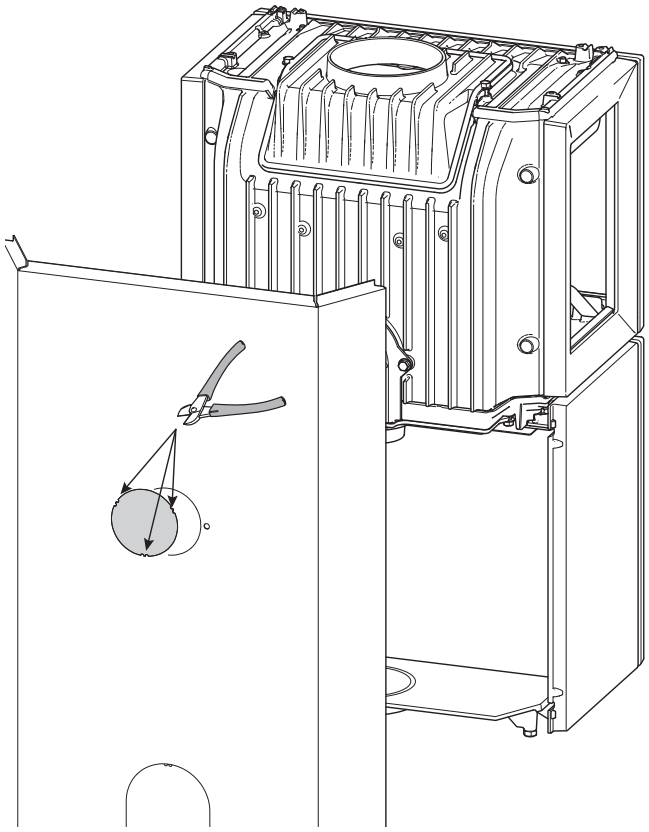


4.2 Outside air connection through the base

Through a rear outlet

Jøtul F 520 is delivered with air inlet mounted underneath the product. If needed, the air inlet may be mounted in the rear of the product.

Fig. 6



- Use a cutting pliar and cut along the knock-out holes.

Alternative through a rear outlet

Fig. 6b

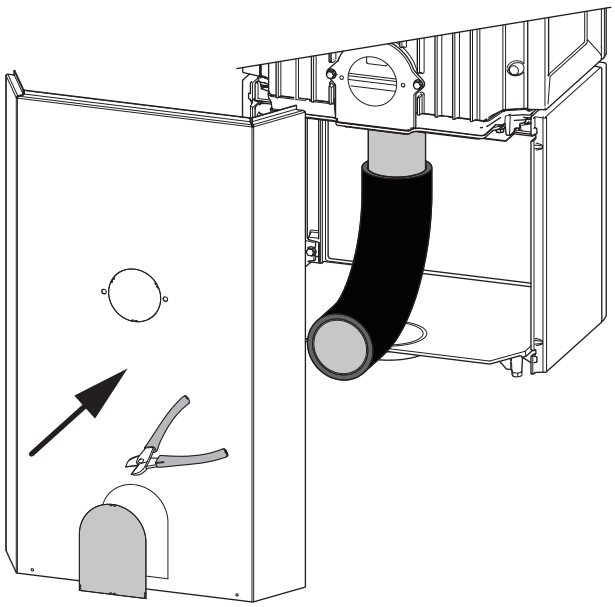
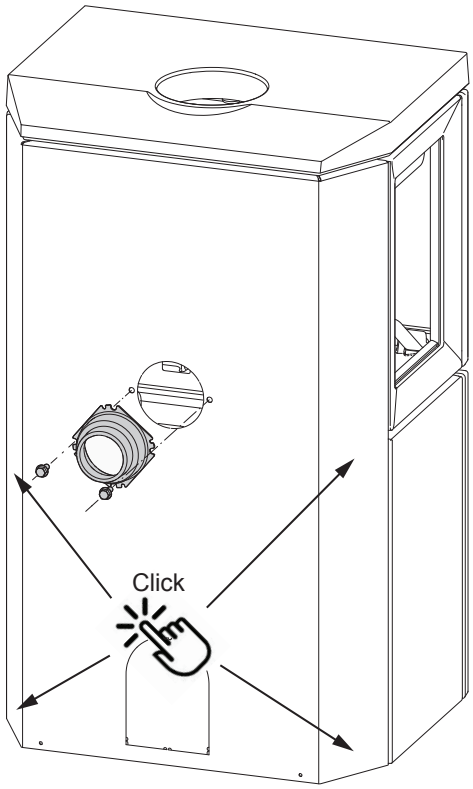
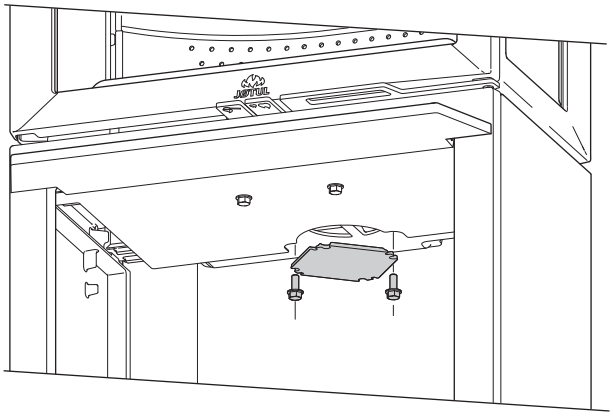


Fig. 7



- Move the air intake connector from underneath the oven to the back of the oven
- For fastening Ø 80 / Ø100 fresh air intake tube (optional equipment – item no. 51047509 / 51012164), see the manual (item no. 10047508) accompanying the external air set. See the installation instructions that follow with the external air set. Attach the hose to the external air connector with a hose clip to avoid using joints. The external air hose insulation ends approx. **100 mm** below the burn chamber.

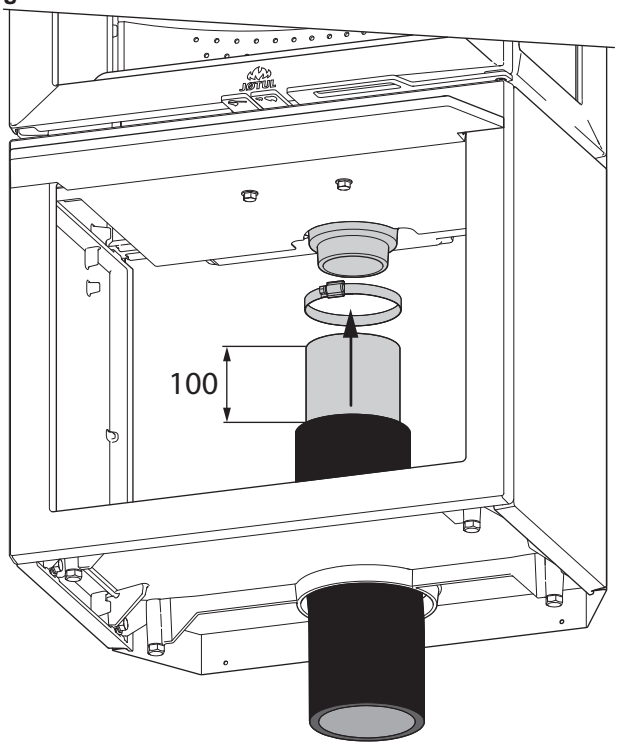
Fig. 8



Then install the cover for outdoor air inlet underneath of the oven.

Through the floor

Fig. 9



- Use a heavy mallet and strike hard in the middle of the knockout
- Pull a flexible hose through the floor and up to the air intake connector.
- Then attach the flexible hose to the air intake connector with a hose clamp

- For fastening Ø80 / Ø100 fresh air intake tube (optional equipment – item no. 51047509 / 51012164), see the manual (item no. 10047508) accompanying the external air set. See the installation instructions that follow with the external air set. Attach the hose to the external air connector with a hose clip to avoid using joints. The external air hose insulation ends approx. **100 mm** below the burn chamber.

4.3 Preparations – Jøtul F 520 LB

The base on which the Jøtul F 520 LB is installed must be made of non-combustible material and must be enclosed.

Without external air connection

Fig. LB 1

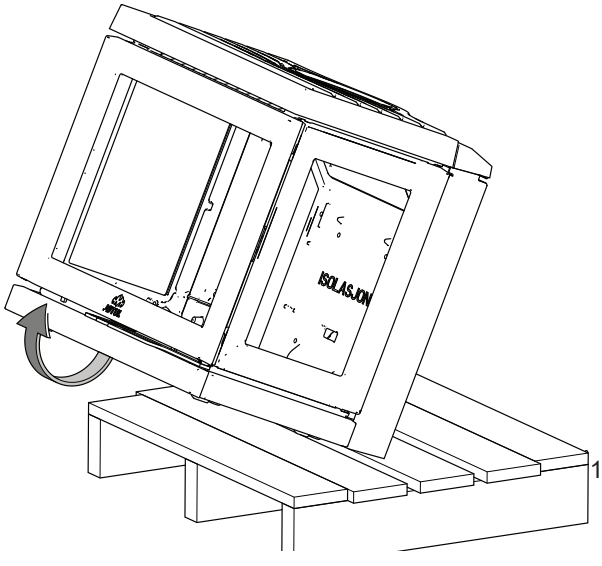


Fig. LB 2

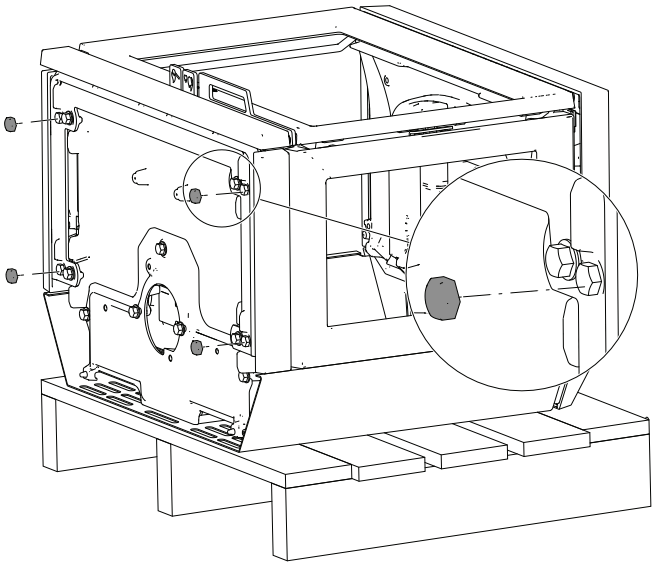


Fig. LB 3

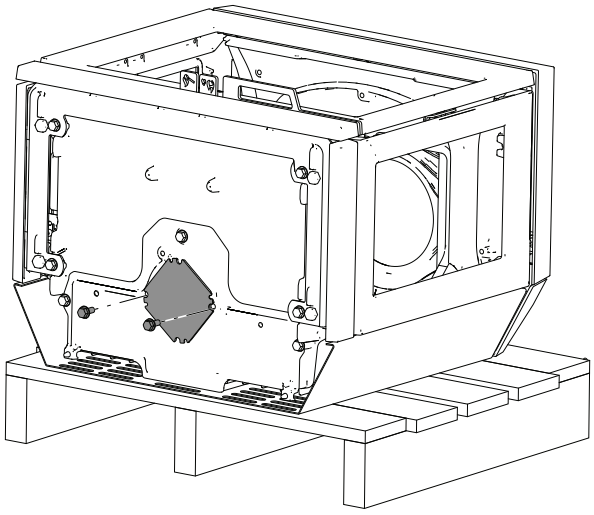


Fig. LB 4

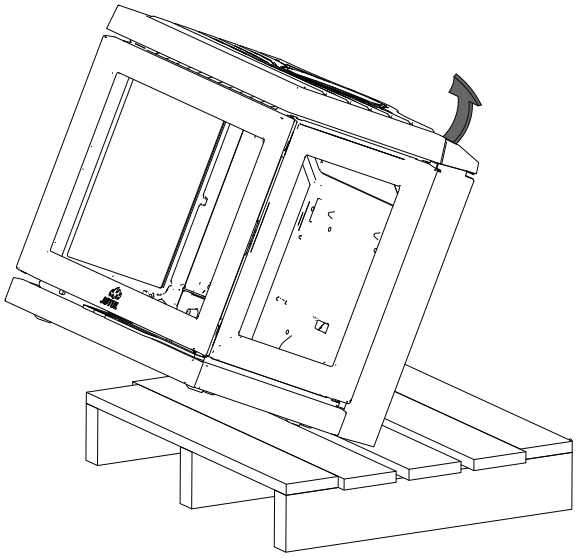
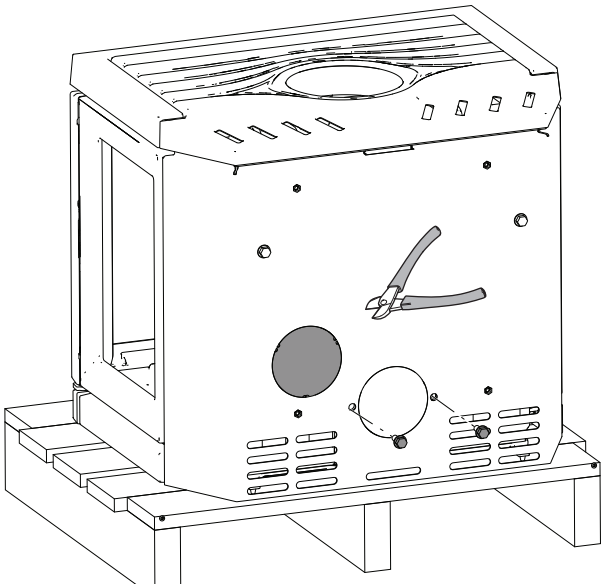
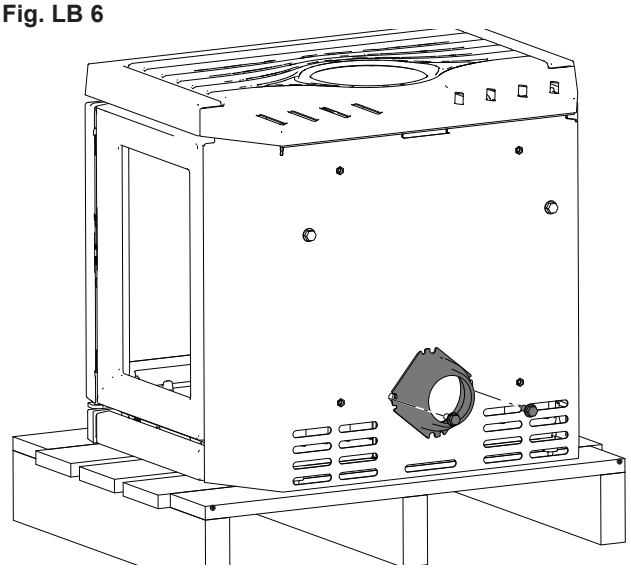


Fig. LB 5



Rear external air connection

Fig. LB 6



1. Follow the instructions from fig. LB 1 – fig. LB 6.

Bottom external air connection

Fig. LB 7

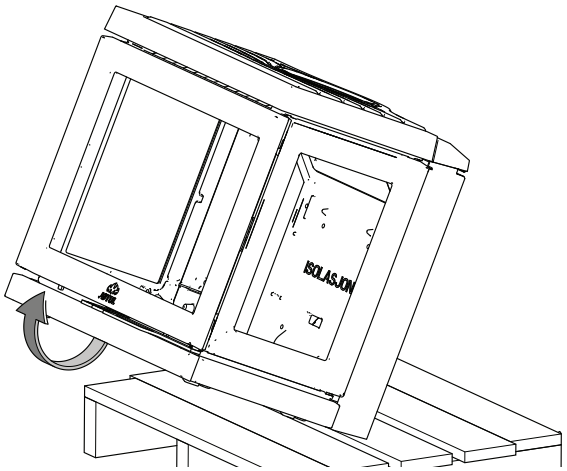
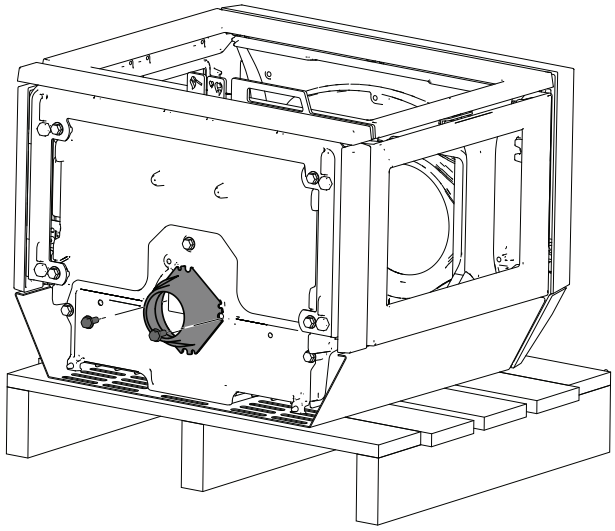


Fig. LB 8



1. Attach studs as shown in fig. LB 2.

4.4 Chimney and flue pipe

- The fireplace must only be connected to a chimney and flue pipe approved for solid fuel fireplaces with flue gas temperatures as specified in **«2.0 Technical Data»**.
- Several solid fuel stoves can be connected to the same chimney system if the chimney cross section is adequate and the door is self-closing. See 7.3 Self-closing door.. **NB: Look into the applicable rules and regulations to find out what is permitted.** Even a good chimney can function poorly if it is used incorrectly.
- The cross-section of the chimney must be designed to fit the fireplace. Use **«2.0 Technical Data»** to calculate the correct chimney cross-section.
- The chimney must be connected in accordance with the installation instructions of the chimney supplier.
- Before a hole is made in the chimney, the product should be test-mounted in order to correctly mark the position of the fireplace and the hole in the chimney. See **fig. 1** for minimum dimensions.
- Make sure that the flue pipe rises all the way up to the chimney.
- With a rear outlet, use a flue pipe bend with a sweep hatch to allow sweeping.
- Please note that it is extremely important for connections to have a degree of flexibility. This is to prevent any movement in the installation leading to the formation of cracks.
- For recommended chimney draught, see **«2.0 Technical Data»**. For flue pipe dimension see **"2.0 Technical Data"**. **NB: The chimney's diameter must be at least just as big as the flue pipe.**
- When using a semi-insulated flue pipe (starter section), the part must at a minimum comply with class T 400-N1-D-Vm-L50050-G100. For installation requirements, see drawing.
- The function of the chimney and the flue pipe in terms of safety distances must be met. The chimney shall be proven according to EN 13384-2:2015+A1:2019 depending on the individual situation on site.

NB! The minimum recommended chimney length is 4 m from the flue pipe insert. If the draught is too strong, a flue pipe damper can be installed and used to reduce the draught.

If a flue damper is fitted it shall be of a type, which does not block the flue totally. The damper shall be easy to operate and incorporate an aperture within the blade, which in a continuous area occupies at least 20 cm2 or 3 % of the cross-sectional area of the blade if this is greater.
The position of the damper shall be recognizable from the setting of the device.
If a draught regulator is fitted the minimum cross sectional area requirement shall not be applicable but the device shall be easily accessible for cleaning.

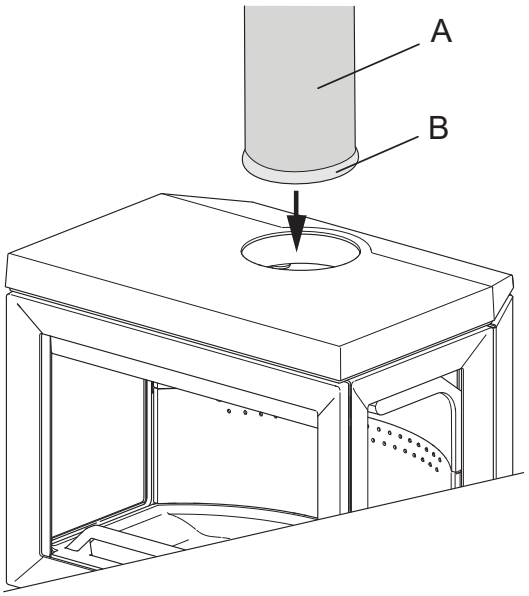
Operation under different weather conditions

The effect of the wind on the chimney may have a significant impact on how the stove reacts under different gust loads. It may be necessary to adjust the air supply to achieve good combustion.

4.5 Fitting a flue pipe with a top outlet

The product is supplied from the factory with the smoke outlet fitted for the top outlet.

Fig. 10

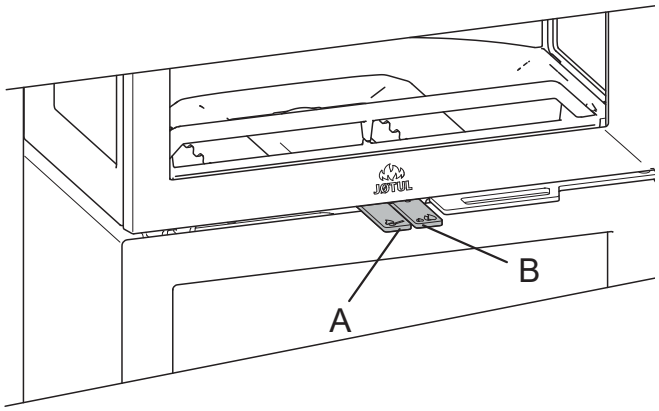


1. Thread the flue pipe **(A)** through the top plate and place it in the top smoke outlet.
2. Seal well with a gasket **(B)**.

4.6 Performance check

Always check the control handles once the product has been assembled. These should move easily and work in a satisfactory manner.

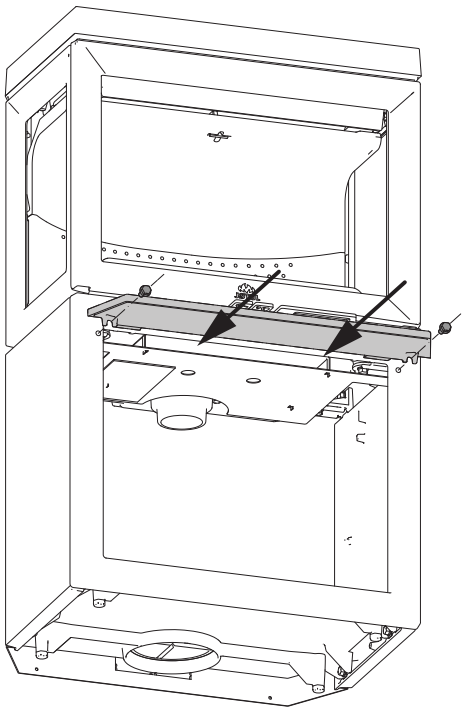
Fig. 11



The Jøtul F 520 is equipped with the following operating options:

- Pull out the ignition vent **(A)** the air vent **(B)** automatically follows.

4.7 Mounting of ash lip



5.0 Daily use

Odours when using the fireplace for the first time

When the fireplace is used for the first time, it may emit an irritating gas which may smell slightly. This happens because the paint dries.The gas is not toxic but the room should be thoroughly ventilated. Let the fire burn with a high draught until all traces of the gas have disappeared and no smoke or odours can be detected.

Heating advice

NB: Logs that have been stored outdoors or in a cold room should be brought indoors 24 hours before use to bring them up to room temperature.

There are various ways of heating the stove but it is always important to be careful about what you put in the stove. See the section on **"Wood quality"**.

Important! An inadequate air supply can lead to poor combustion, high emissions and a lower level of efficiency.

Wood quality

By quality wood we mean most well-known types of wood such as birch, spruce and pine.

The logs should be dried so that the moisture content is no more than 20%.
To achieve this, the logs should be cut during the late winter. They should be split and stacked in a way that ensures good ventilation. The wood stacks should be covered to protect the logs from rain. The logs should be brought indoors during early autumn and stacked/stored for use in the coming winter.
Be especially careful never to use the following materials as fuel in your fireplace:

- Household rubbish, plastic bags, etc.
- Painted or impregnated timber (which is extremely toxic).
- Laminated wooden planks.
- Driftwood

These may harm the product and are also pollutants.

N.B: Never use petrol, paraffin, methylated spirit or similar liquids to light the fire. You may cause serious injury to yourself and damage to the product.

Kindling (finely split wood):

Length:	Max. 30 - 50 cm
Diameter:	6-10 cm
Quantity required each time:	3 pieces (0,6 - 0,8 kg) and 10 - 12 pieces with a total weight about 1 kg

Wood (split wood):

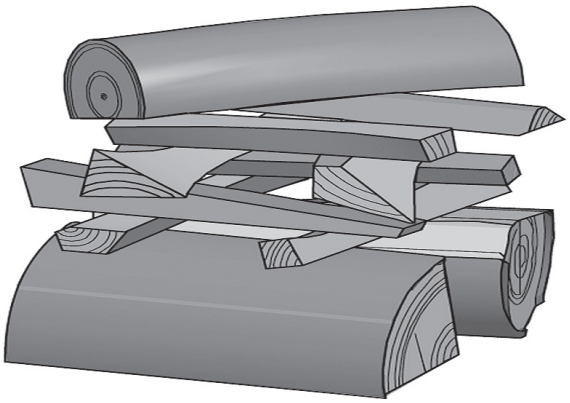
Recommended length:	30 - 50 cm
Quantity required each time:	2 or 3 logs weighing 0.7 kg each, i.e. 1.5-2.0 kg each time
Interval for adding wood:	Approx. every 50 minutes
Quantity required each time:	2 - 3
Max. each time:	2,3 kg

Nominal heat output is achieved when the air vent is open approx. 40% - 70%**,** and the ignition vent is open approx. 0% - 50%.

Initial lighting

- Open the air vent and ignition vent by pulling the handles all the way out. (Use a glove or something similar to protect your hand in case the handles are hot.).

Fig. 34

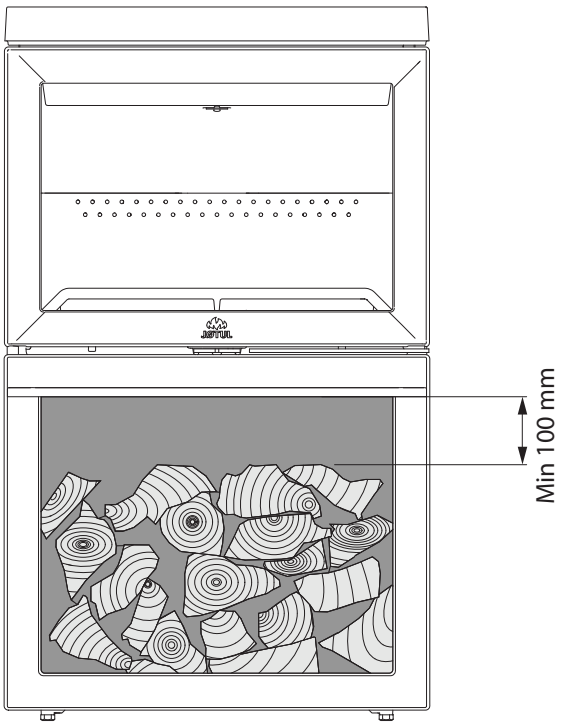


- Place two logs at the bottom of the burn chamber and pile the kindling in layers.
- Finally, place a medium-sized log on the top of the pile.
- Place 2 or 3 briquettes or kindling sticks under the top layer of kindling and light the fire. **N.B: The maximum height of the pile of the wood should be just below the horizontal holes. The holes must not be covered.**
- You can then regulate the rate of combustion to give the heat you want by adjusting the air vent **(fig. 11)**.
- Check that the afterburning (secondary combustion) starts. This is best indicated by yellow, flickering flames in front of the holes under the baffle.
- If the air flow is normal you will be able to shut the door and the fire will take care of itself.

Adding firewood

Stoke the stove frequently but only add small amounts of fuel at a time. If the stove is filled too full, the heat created may cause extreme stress in the chimney. Add fuel to the fire in moderation. Avoid smouldering fires as this produces the most pollution. The fire is best when it is burning well and the smoke from the chimney is almost invisible.

Stacking wood



- The wood must not be stacked higher than 100 mm from the bottom of the burn chamber.

5.1 Danger of overheating

The fireplace must never be used in a manner that causes overheating

Overheating occurs when there is too much fuel and/or too much air so that too much heat develops. A sure sign of overheating is when parts of the fireplace glow red. If this happens, reduce the air vent opening immediately.

Seek professional advice if you suspect that the chimney is not drawing properly (too much/too little draught). For further information, see ***«4.0 Installation» (Chimney and flue pipe).***

5.2 Ash removal

- Only remove ash when the fireplace is cold.

1. Use a scoop or similar to remove the ash through the door.

Always leave some ash as a protective layer on the bottom of the fireplace.

5.3 General notes

PLEASE NOTE! Parts of the wood-burning stove, especially the outer surfaces, become hot during use. Due care should be exercised.

- Wear a glove when handling the stove
- Never empty ashes into a flammable container. Ashes can contain glowing embers long after you finish operating the stove
- Keep the combustion chamber closed except during

ignition, refuelling and removal of residue material to prevent fume spillage
- Keep the air intake and output holes free from any accidental blokage while the stove is in use
- When the stove is not in use you can close the dampers to avoid a draught through the stove
- If the stove has not been used for some time, you should check the flue passageways for potential blockages before relighting
- We advise you strongly not to use the stove over night. The stove is not suited for this purpose
- NOTE: Never place flammable material in the radiation zone of the stove!

6.0 Maintenance

6.1 Cleaning the glass

The product is equipped with an air wash for the glass. Air is sucked in through the air vent on the top of the product and down along the inside of the glass.

However, some soot will always stick to the glass, but the quantity will depend on the local draught conditions and adjustment of the air vent. Most of the soot layer will normally be burned off when the air vent is opened all the way and a fire is burning briskly in the fireplace.

Good advice! For normal cleaning, moisten a paper towel with warm water and add some ash from the burn chamber. Rub it over the glass and then clean the glass with clean water. Dry well. If it is necessary to clean the glass more thoroughly we recommend using a glass cleaner *(follow the instructions on the bottle).*

6.2 Cleaning and soot removal

Soot deposits may build up on the internal surfaces of the fireplace during use. Soot is a good insulator and will therefore reduce the fireplace's heat output. If soot deposits accumulate when using the product, they can easily be removed by using a soot remover.
In order to prevent a water and tar layer from forming in the fireplace, you should regularly allow the fire to burn hot in order to remove the layer. An annual internal cleaning is necessary to get the best heating effect from your product. It is a good idea to do this when cleaning the chimney and flue pipes.

6.3 Sweeping flue pipes to the chimney

Flue pipes must be swept through the flue pipe sweeping hatch or through the door opening. The baffle and exhaust deflector must be removed first.

6.4 Inspection of the fireplace

Jøtul recommends that you carefully inspect your fireplace yourself after it has been swept/cleaned. Check all visible surfaces for cracks. Also check that all joints are sealed and that the gaskets are in the correct position. Any gaskets showing signs of wear or deformation must be replaced.

Thoroughly clean the gasket grooves, apply ceramic glue (available from your local Jøtul dealer) and press the gasket well into place. The joint will dry quickly.

6.5 Exterior maintenance

Painted products may change colour after several years' usage. The surface should be cleaned and brushed free of any loose particles before new paint is applied.

Enamelled products must only be cleaned with a clean, dry cloth. Do not use water and soap. Any stains can be removed with a cleaning fluid *(oven cleaner etc.).*

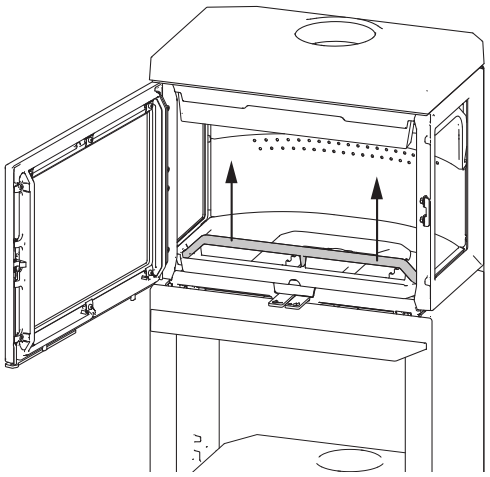
7.0 Servicing

Warning! Any unauthorised changes to the product are illegal! Only original spare parts may be used!

7.1 Service/replacing parts in the burn chamber

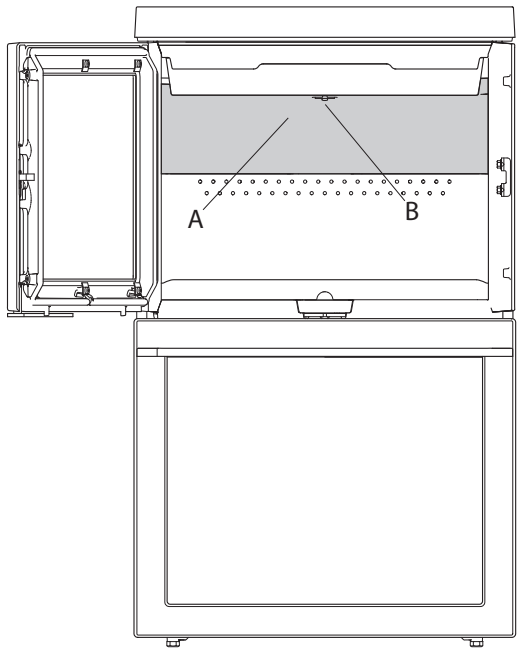
NB: Use tools with great care! The vermiculite plates may be damaged if treated roughly.

Fig. 14



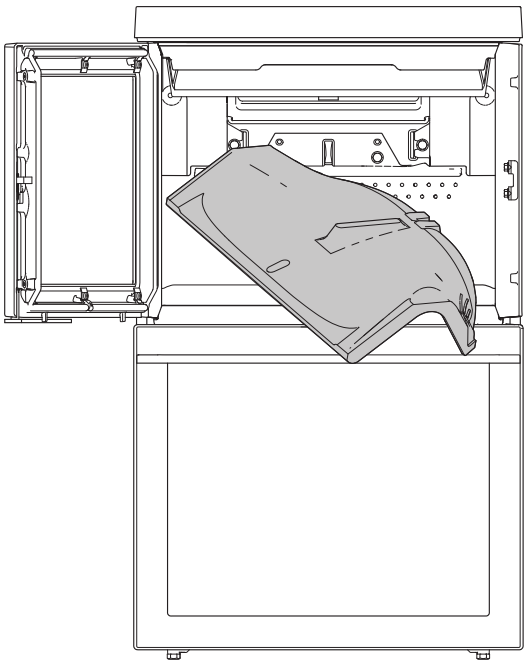
1. First remove the log retainer

Fig. 15



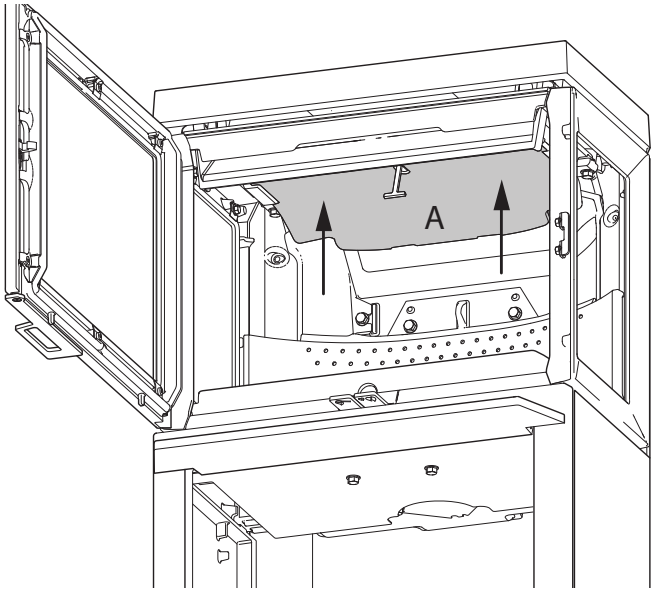
2. First lift the baffle **(A)** up. Turn the key **(B)** 90° and then remove the key. Pull the back edge of the baffle down.

Fig. 16



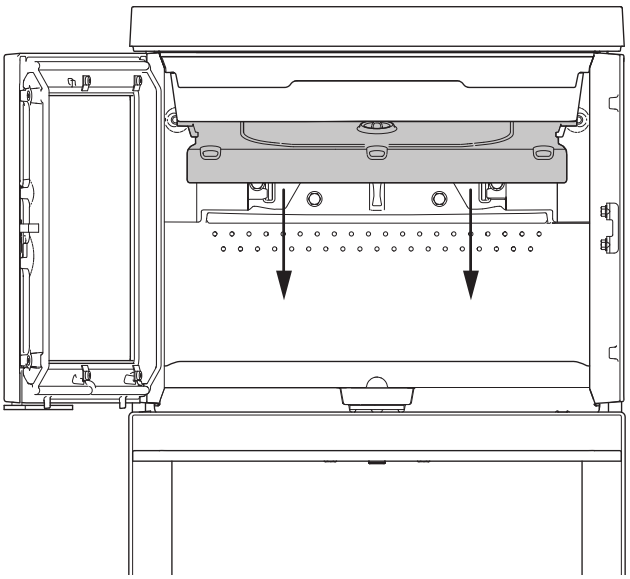
3. Turn one corner towards you and pull it out sideways.

Fig. 17



4. Then remove the exhaust deflector **(A)** by raising it slightly to begin with. Then push the exhaust deflector backwards.

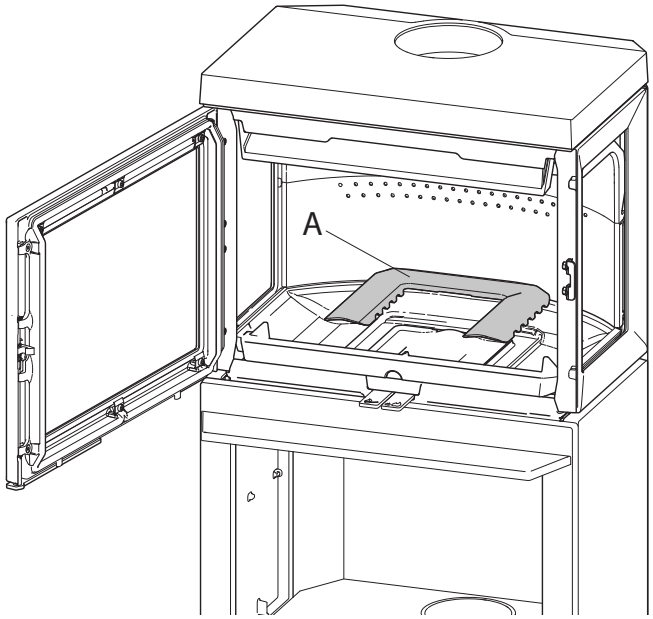
Fig. 18



5. Lower the exhaust deflector and lift it out.
6. When refitting, follow the same procedure in reverse order.

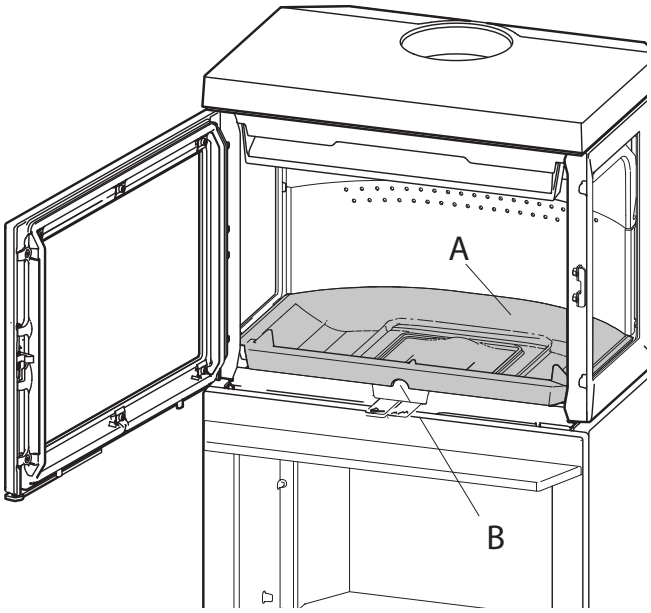
7.2 Replacing the air duct and inner bottom

Fig. 19



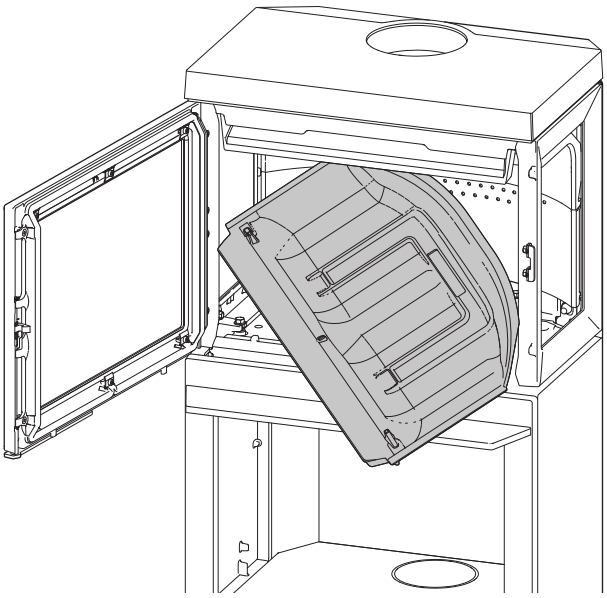
1. Lift the air duct **(A)** up and remove it.

Fig. 20



2. Take hold of the hole **(B)** at the front edge of the inner bottom **(A)** and lift it up.

Fig. 21

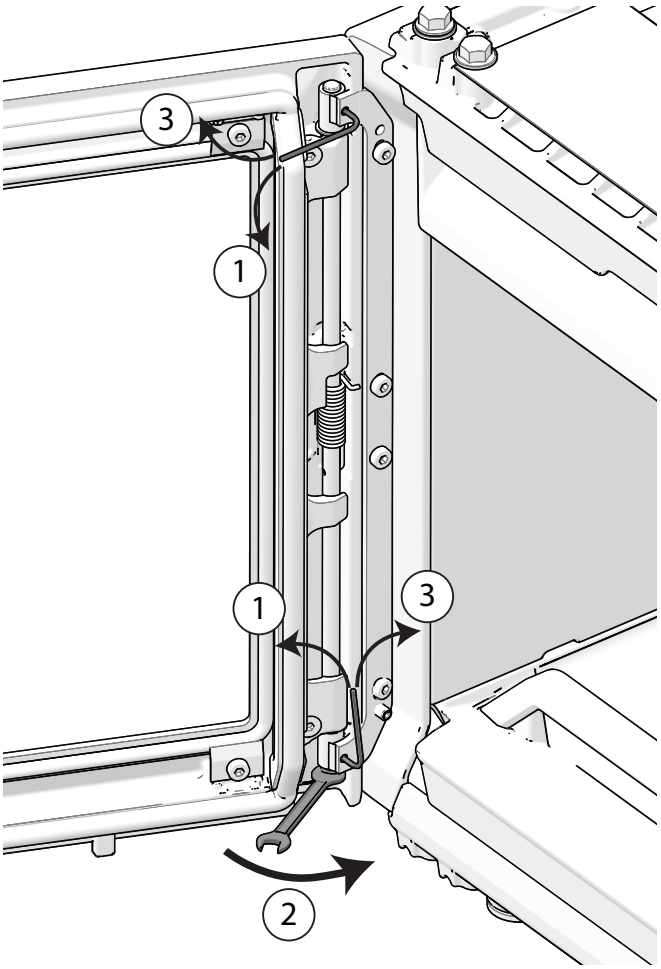


3. Turn one corner towards you and pull the inner bottom out.
4. When refitting, follow the same procedure in reverse order.

7.3 Self-closing door

By making this change, you make the door self-closing.

Fig. 22



1. Loosen the two Allen screws.
2. Tighten the screw on the underside.
3. Tighten the Allen screw again.

NB! This operation must be preformed several times to achieve the desired effect.

8.0 Operational problems - troubleshooting

Poor draught

Check the length of the chimney and that it complies with national laws and regulations. (See also **«2.0 Technical data»**). Make sure that the minimum cross section on the chimney is according to **«2.0 Technical data»** in the installation manual. Make sure that there is not anything preventing the smoke gasses from escaping: branches, trees, etc.
Upon suspicion of excessive/poor draught in the chimney, seek professional help for measurement and adjustment.

The fire extinguishes after a while

- Make sure that the firewood is sufficiently dry.
- Find out whether there is negative pressure in the house, close mechanical fans and open a window close to the fireplace.
- Check that the air vent is open.
- Check that the flue outlet is not clogged by soot.

Unusual amount of soot accumulates on the glass

Some soot will always stick to the glass, but the quantity depends on:

- Moisture in the fuel.
- The local draught conditions.
- Air vent opening.

Most of the soot will normally burn off when the air vent is opened all the way and a fire is burning briskly in the fireplace. **(See «6.1 Cleaning the glass».)**

9.0 Optional extras

9.1 Cover for outside air through the base

Item no. 51049688

9.2 Fresh air intake tube Ø80

Item no. 51047509

9.3 Fresh air intake tube Ø100

Item no. 51012164

9.4 Jøtul F 520 High Top

Item no. 51053360

9.5 Heat storage system

Item no. 10026701

9.6 Door lock, complete, left

For right-hinged door

Item no. 50045754

9.7 Jøtul F 520 Conv Shield Rear

Item no. 50066107

9.8 Jøtul F 520 HT Conv Shield Rear

Item no. 50066122

9.9 Jøtul F 520 / F 620 Cast Iron side Left BP

Item no. 51063409

9.10 Jøtul F 520 / F 620 Cast Iron side Right BP

Item no. 51063410

9.11 Jøtul F 520 / F 620 Convection kit side FR/FL (same no. both sides)

Item no. 50063453

10.0 Recycling

10.1 Recycling packaging

Your fireplace is delivered with the following packaging:

- A wooden pallet that can be cut up and burned in the fireplace.
- Cardboard packaging that should be taken to a local recycling facility.
- Plastic bags that should be taken to a local recycling facility.

10.2 Recycling the fireplace

The fireplace is made of:

- Metal that should be taken to a local recycling facility.
- Glass that should be disposed of as hazardous waste. The glass in the fireplace must not be placed in a regular source segregation container.
- Vermiculite burn plates that can be disposed of in regular waste containers.

11.0 Guarantee terms

1. Our guarantee covers:

Jøtul AS guarantees that the external cast-iron parts are free from defects in materials or manufacturing at the time of purchase. You may extend the guarantee on the external cast-iron parts to 25 years from the date of delivery by registering the product on jotul.com, and print out the extended guarantee card within three months of purchase. We recommend that the guarantee card be kept together with the receipt. Jøtul AS also guarantees that steel plate parts are free from defects in materials or manufacturing at the time of purchase for a period of 5 years from the date of delivery.

The guarantee applies on the condition that the stove has been installed by a qualified installer in accordance with applicable laws and regulations and Jøtul's installation and operating instructions. Repaired products and replacement items are guaranteed within the original guarantee period.

2. The guarantee does not cover:

2.1. Damage to consumables such as burn plates, fire grates, flue baffles, gaskets and similar as these deteriorate over time due to normal wear and tear.
2.2. Damage caused as a result of improper maintenance, overheating, use of unsuitable fuel (e.g of unsuitable fuel are, but not limited to driftwood, impregnated wood, plank offcuts, chipboard) or too moist / wet wood.
2.3. Installation of optional extras for the purpose of rectifying local draught conditions, air supply or other circumstances beyond Jøtul's control.
2.4. Cases involving alterations / modifications to the fireplace without Jøtul's consent or the use of non-original parts.
2.5. Damage caused during storage at a distributor, transport from a distributor or during installation.
2.6. Products sold by unauthorized sellers in areas where Jøtul operates a selective distribution system.
2.7. Associated cost (e.g.but not limited to, transport, manpower, travel) or indirect damages.

Pellets stoves, glass, stone, concrete, enamel and paint finish (e.g. but not limited to chipping, cracking, bubbling or discolouration and crazing) are applicable to the national legislation governing the sale of consumer goods. This guarantee is valid for purchases made within the territory of the European Economic Area. All guarantee inquiries must be addressed to your local authorized Jøtul dealer within a reasonable amount of time, which shall not be later than 14 days from the date on which the fault or defect first became apparent. See list of importers and dealers on our web site www.jotul.com.

If Jøtul is unable to meet the obligations outlined in the above guarantee terms, Jøtul will offer a replacement product with a similar heating capacity free of charge.

Jøtul reserve the right to decline of any replacement of parts or service in the event that the guarantee is not registrated online. This guarantee does not affect any rights under applicable national legislation governing the sale of consumer goods. The national complaint right applies from the purchase date and only in exchange for a receipt / serial number.