Jøtul F 162 / F 163
EN 16510
Manual Version P00

# Jøtul F 162
# Jøtul F 163


| | |
|---|---|
| UK - Installation and operating instructions | 3 |
| FR - Manuel d'installation et d'utilitation | 21 |
| ES - Instrucciones para montaje e instalación | 39 |
| NL - Installatie- en montagehandleiding | 57 |
| PL - Instrukcja montażu i obsługi | 76 |
| DE - Montage- und Gebraucsanleitung | 96 |
| Information to Enable Better Reproduction of Tests: | 115 |




Jøtul F 162



Jøtul F 163

JØTUL

*Manualene må oppbevares under hele produktets levetid. The manuals which are enclosed with the product must be kept throughout the product's entire service life. Les manuels fournis avec le produit doivent être conservés pendant toute la durée de vie du produit. Los manuales suministrados con este producto deben guardarse durante todo el ciclo de vida del producto. I manuali inclusi con il prodotto vanno conservati per l'intera durata di vita del prodotto. Das im Lieferumfang des Produkts enthaltene Begleitmaterial ist über die gesamte Nutzungsdauer aufzubewahren. De bij de haard meegeleverde handleidingen moeten gedurende de volledige gebruiksduur van de haard bewaard blijven.*

*EU no. 2015/1186 - 15/11/2022*

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

| **Requirements / Exigences / Requisitos / Requisiti / Vereisten / Forderungen / Wymagania** | |
|---|---|
| Supplier / Fabricante / Fornitore / Vereisten / Lieferant/ Producent: | Jøtul AS |
| Product models<br>Produits concernés<br>Modelos<br>Modelli<br>Product modellen<br>Varianten der Feuerstelle<br>Modele produktu | **JØTUL F 162, JØTUL F 163, JØTUL F 165, JØTUL F 165 S, JØTUL F 167** |
| Energy efficiency class / Classe énergétique / Clase de eficiencia energética / Classe energetica / Energie efficiëncy klasse / Energieeffizienz-Klasse / Klasa efektywnści energetycznej | A + |
| Direct heat output / Puissance réelle de sortie / Potencia calorifica emitida / Emissione di calore diretta / Directe warmte afgifte / Nennwärmeleistung / Bezpośrednia moc grzewcza | 5,5 kW |
| Energy efficiency index / Index de rendement énérgétique/ Índice de eficiencia energetica / Indice di efficienza energetica / Energie efficiëncy index / Energieeffizienz-Index / Indeks efetywności energetycznej | 108 |
| 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 / Sparawność dla mocy znamionowej | 81 % |
| • Any specific precautions that shall be taken when the local space heater is assembled installed or maintained.<br>• Toutes les précautions spécifiques doivent être prises lors de l'assemblage, l'installation ou l'entretien de l'appareil.<br>• Cualquier precaución específica que deba tenerse en cuenta durante el montaje, instalación o mantenimiento del equipo de calefacción<br>• Precauzioni specifiche da prendere quando il riscaldatore viene assemblato, installato o mantenuto in uno spazio.<br>• Eventuele specifieke voorzorgsmaatregelen die worden genomen wanneer de plaatselijke ruimteverwarming wordt gemonteerd, geïnstalleerd of onderhouden.<br>• Besondere Maßnahmen bei Montierung, Installation und Wartung.<br>• Wszelkie szczególne środki ostrożności, które należy podjać, gdy lokalny ogrzewacz pomieszczeń jest montowany lub konserwowany. | • Fire safety precautions such as safety distances when installing, national standards, local codes and regulations. See the Instructions manual.<br>• 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.<br>• Precauciones frente a incendios como distancia de seguridad en la instalación, estándares nacionales, códigos locales y reglamentos. Lea el manual de instalación.<br>• Precauzioni per la sicurezza antincendio come le distanze di sicurezza durante l'installazione, le normative nazionali e locali. Leggere il manual.<br>• Brandveiligheidsmaatregelen, zoals veiligheids-afstanden bij installatie, nationale normen, lokale codes en voorschriften. Lees de installatiehandleiding.<br>• Für brenntechnische Verhältnisse, wie z.B. Aufstellbedingungen und nationale Forderungen. Siehe die Montage- und Bedienungsanleitung.<br>• Środki bezpieczeństwa przeciwpożarowego, takie jak odległości od materiałów palnych jakie należy zachować podczas instalacji, normy krajowe, lokalne przepisy i regulacje. Patrz instukcja obsługi. |

# UK - Installation and operating instructions

## Table of contents

2.0 Technical Data……3

3.0 Safety ……12

4.0 Installation……13

5.0 Daily use……16

6.0 Service……17

7.0 Maintenance……18

8.0 Operational problems - troubleshooting……19

9.0 Optional equipment……19

10.0 Recycling……19

11.0 Guarantee terms……19

# 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 | 5,5 | kW |
| $\eta_{nom}$ | Energy efficiency at nominal heat output | 81 | % |
| $\eta_s$ | Seasonal space heating energy efficiency at nominal heat output | 71 | % |
| EEI | Energy efficiency index | 108 | |
| | Energy efficiency class | A+ | |
| | Fuel | Wood logs * | |
| | Fuel length, maximum | 330 | mm |
| | Fuel consumption | 1,6 | kg/h |
| | Amount of fuel | 1,24 | kg |
| | Amount of fuel, maximum | 2 | kg |
| $CO_{nom}$ | CO emission at 13% $O_2$ at nominal heat output | 0,08 | % |
| | | 939 | $mg/Nm^3$ |
| $NO_{xnom}$ | $NO_x$ emission at 13% $O_2$ at nominal heat output | 82 | $mg/Nm^3$ |
| $OGC_{nom}$ | OGC emission at 13% $O_2$ at nominal heat output | 95 | $mg/Nm^3$ |
| $PM_{nom}$ | Dust emission at 13% $O_2$ at nominal heat output | 14 | $mg/Nm^3$ |
| $p_{nom}$ | Flue draught at nominal heat output | 12 | Pa |
| | Recommended sub-pressure in the connecting piece | 18-20 | Pa |
| | Required combustion air supply | 15,8 | $m^3/h$ |
| $T_{snom}$ | Flue gas outlet temperature at nominal heat output | 290 | °C |
| T class | Chimney designation | T400 G | |
| $Ø_{f.g\ nom}$ | Flue gas mass flow at nominal heat output | 5,6 | 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 | $Nm^3/h$ |
| | Leakage before testing at gauge pressure of 10 Pa (1013 mbar, 27 °C) | 4,3 | $Nm^3/h$ |
| | Leakage before testing at gauge pressure of 15 Pa (1013 mbar, 27 °C) | 5,5 | $Nm^3/h$ |
| CON/INT | Continuous operation (CON)/Intermittend operation (INT) | INT** | |
| | Reaction to fire classification | A1 | |
| E, f | Power supply voltage, frequency | - | V |

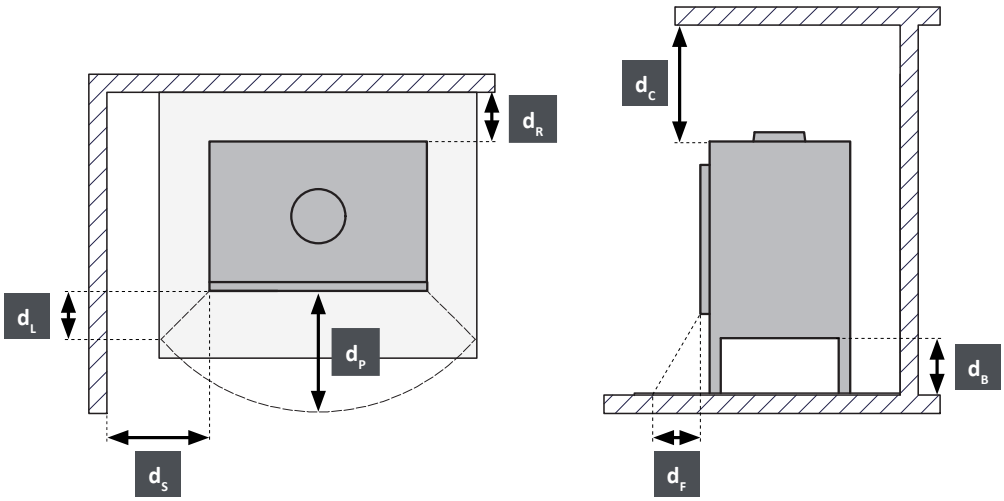
* Use only recommended fuels - designation I.

** 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 | | | |
|---|---|---|---|
| | Materials | Stainless steel<br>Cast iron<br>Ceramic stone/vermiculite<br>Glass | |
| | Surface treatment | Senotherm | |
| | Smoke outlet | Top/Back | |
| $d_{out}$ | Diameter of the flue gas outlet | 150 | mm |
| | Fresh air connection piece external diameter | 80/100 | mm |
| L | Overall dimensions (length) | 447 | mm |
| H | Overall dimensions (height) | 903/1033 | mm |
| W | Overall dimensions (width) | 450 | mm |
| m | Mass (weight) | 115 | kg |
| $m_{chim}$ | Maximum load of a chimney the stove may carry | 120 | kg |

| Minimum distances to combustible materials | | | |
|---|---|---|---|
| $d_R$ | Rear | 200 | mm |
| $d_S$ | Sides | 700 | mm |
| $d_C$ | Ceiling | 750 | mm |
| $d_P$ | Front | 1000 | 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 | 310 | mm |
| $d_{B'}$ | Distance from the loading door to the floor | 310 | mm |
| $d_{non}$ | Minimum distances to non-combustible walls. | 50 | mm |
| | Corner | 400 | mm |
| | The code for insulated flue pipe | T400-N1-D-Vm-L50050-G100 | |

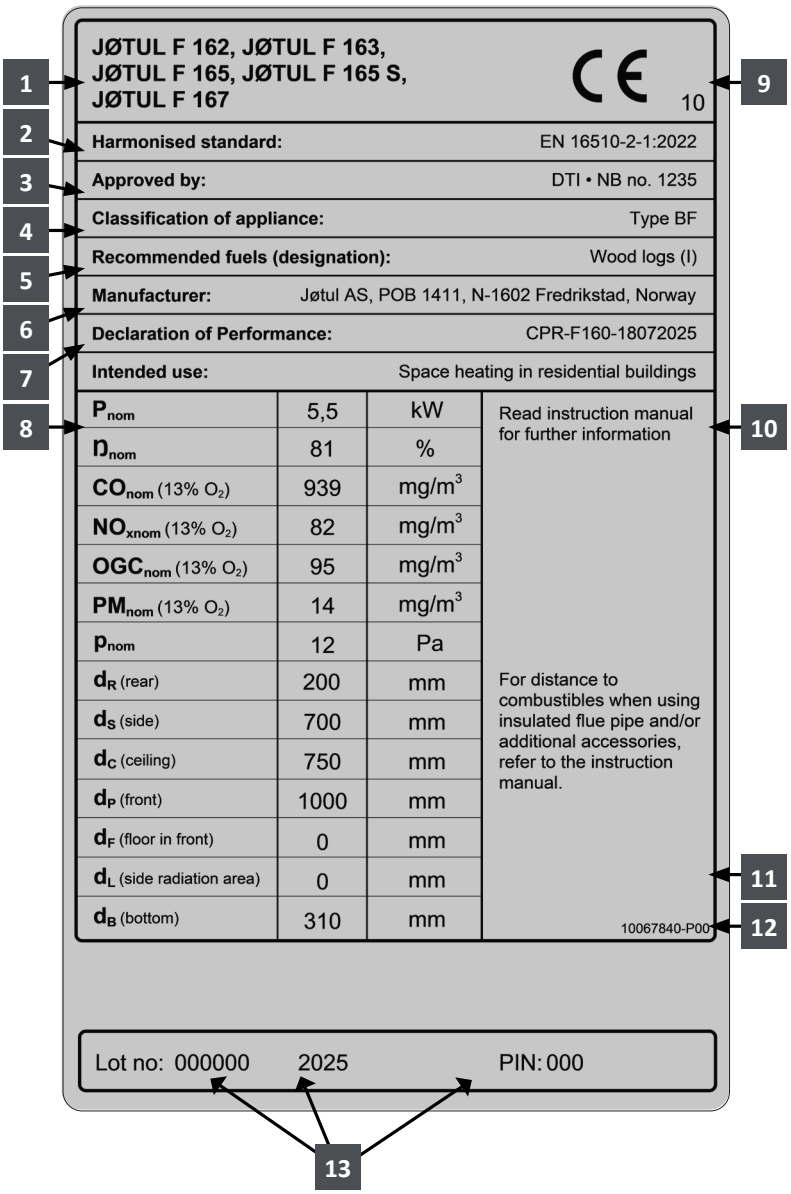


# Approval Label

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

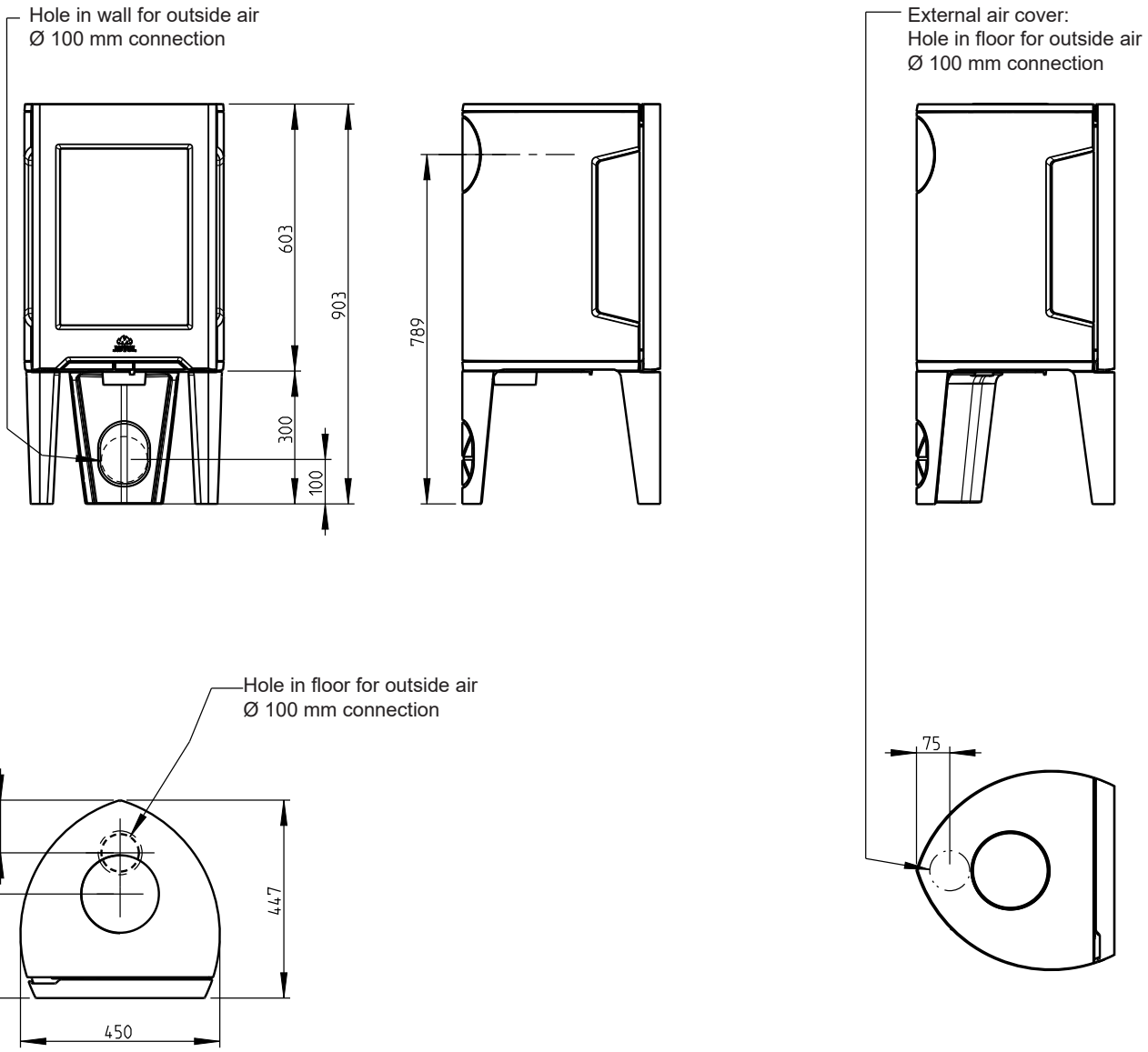
   $d_L$ - front to the side front radiation area

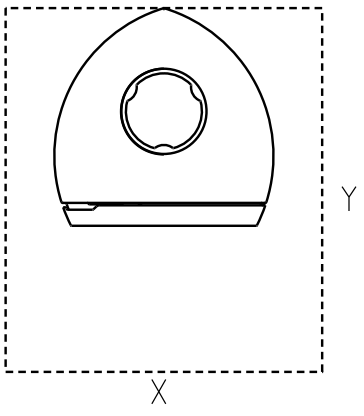
   $d_B$ - below the bottom (not regarding feet)

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

Fig 1a

# Jøtul F 162 / Jøtul F 163



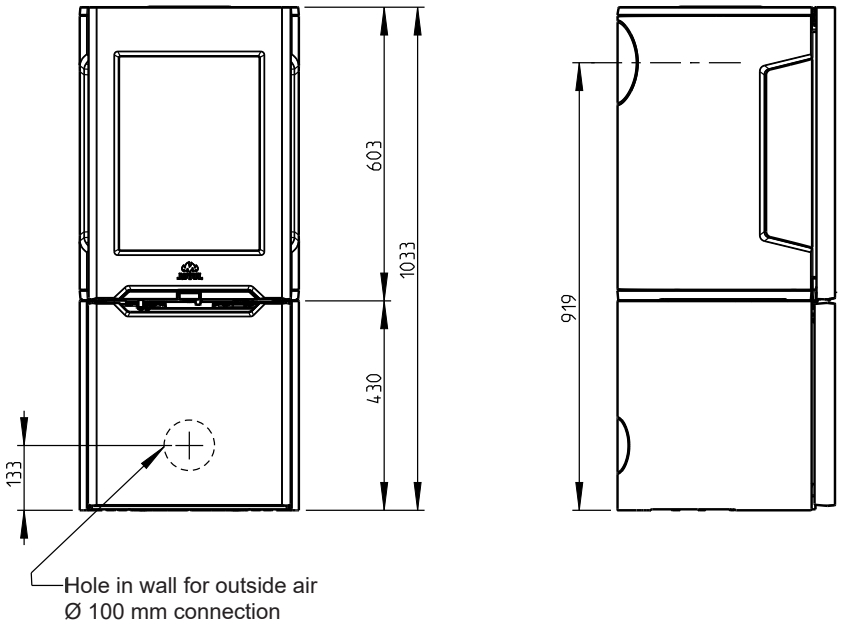



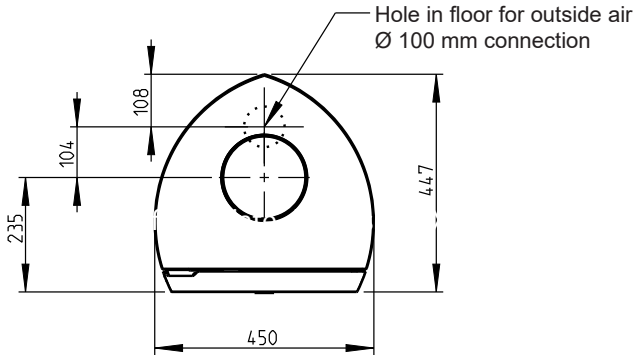

Min. floor plate dimensions X,Y =
In accordance with national laws and regulations
See chapter 4.1

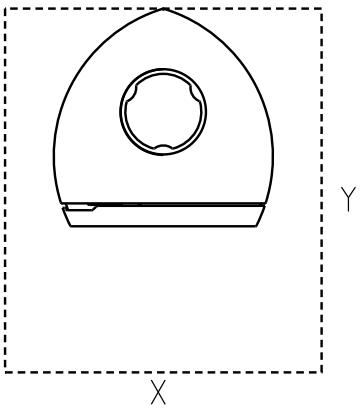
Fig 1a

# Jøtul F 165

Warning: Do not place combustible material in the base of the stove (F 165 and F 165 S).

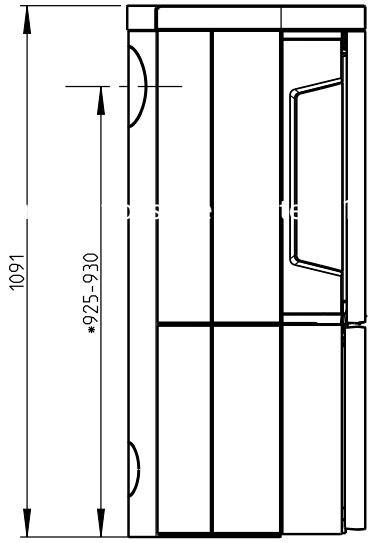


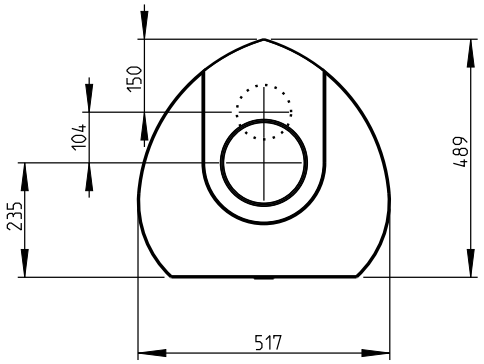




Min. floor plate dimensions X,Y =
In accordance with national laws and regulations
See chapter 4.1

# Jøtul F 165 S

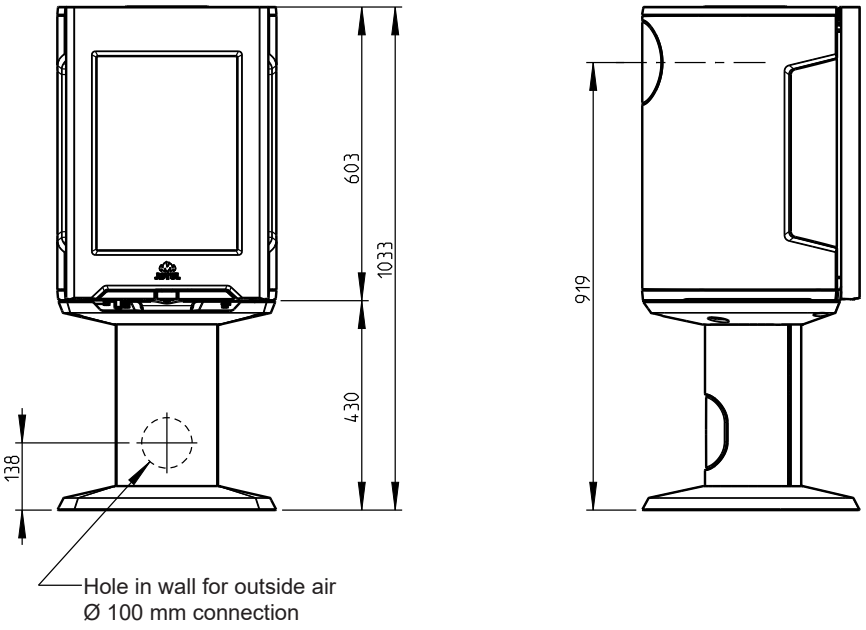


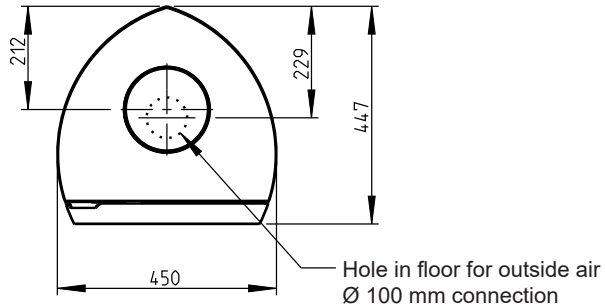



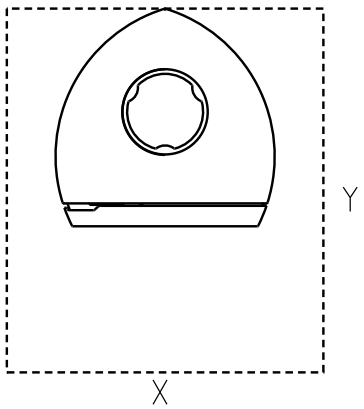

900061-P11

Fig 1a

# Jøtul F 167

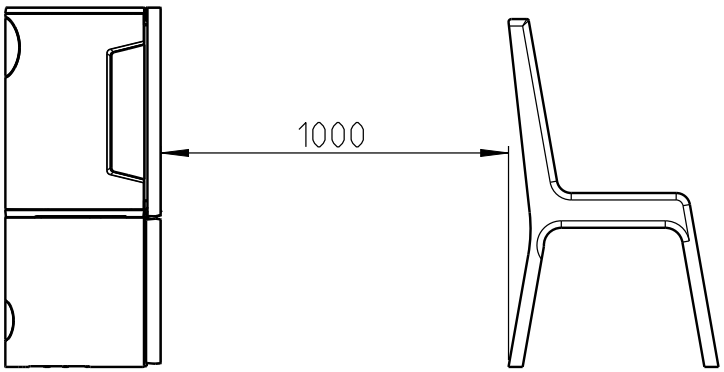


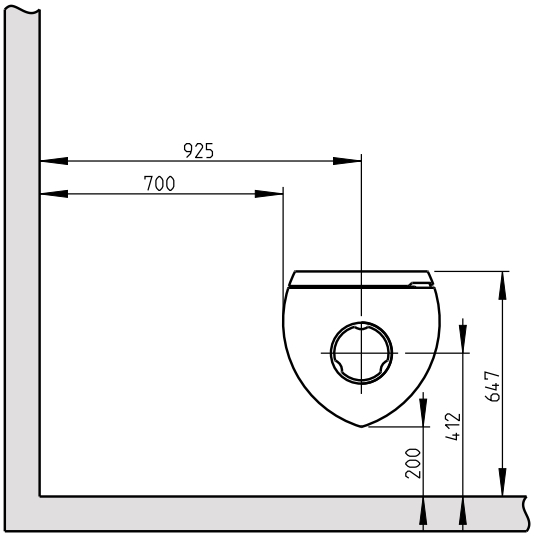

Min. floor plate dimensions X,Y =
In accordance with national laws and regulations
See chapter 4.1

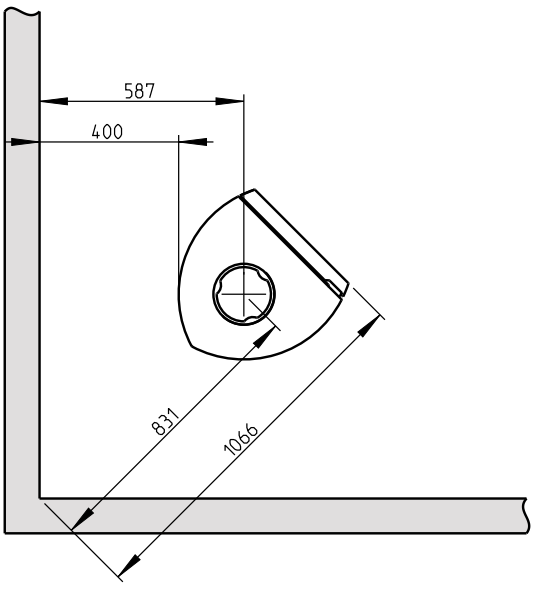
Fig 1b




Combustible wall

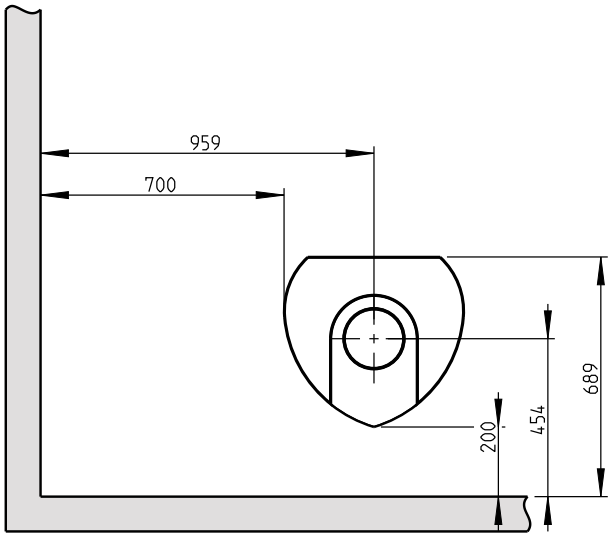
Min. distance to combustible wall

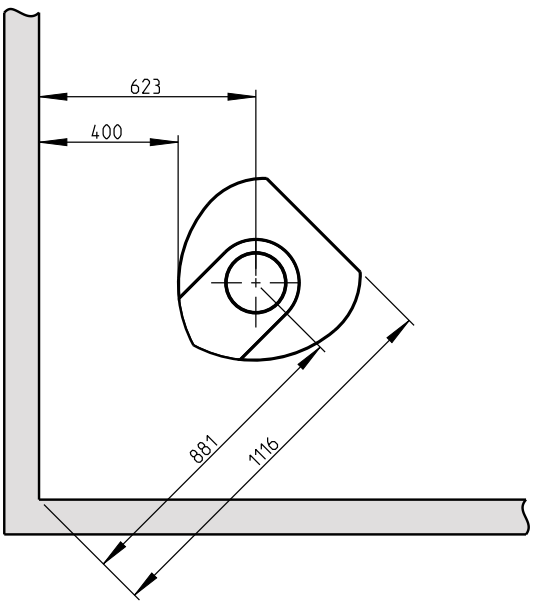



## Jøtul F 165 S

Min. distance to combustible wall.
Soapstone base model




900061-P11

Fig 1c

Jøtul F 162 / F 163 / F 165 / F 165 S / F 167

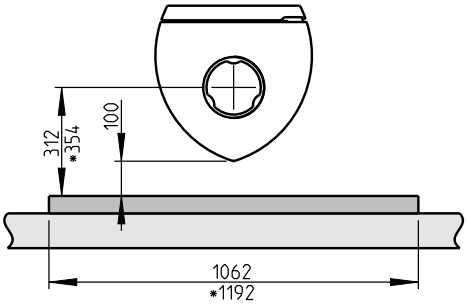
Min. distance to firewall

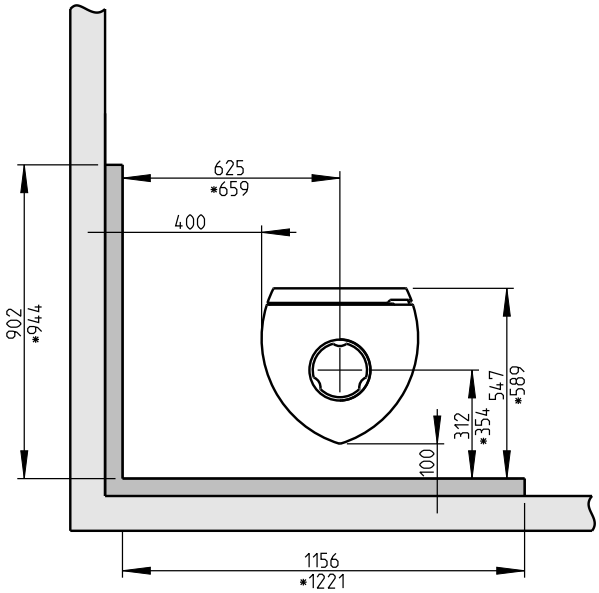
* Jøtul F 165 S ( Soapstone)

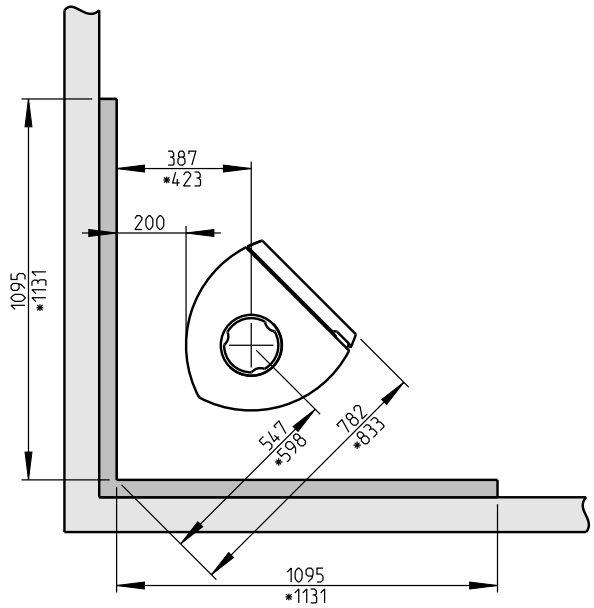
Combustible wall

Firewall

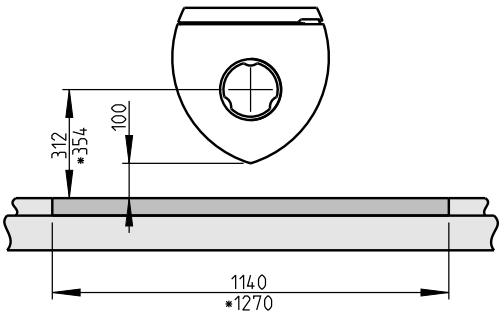
External

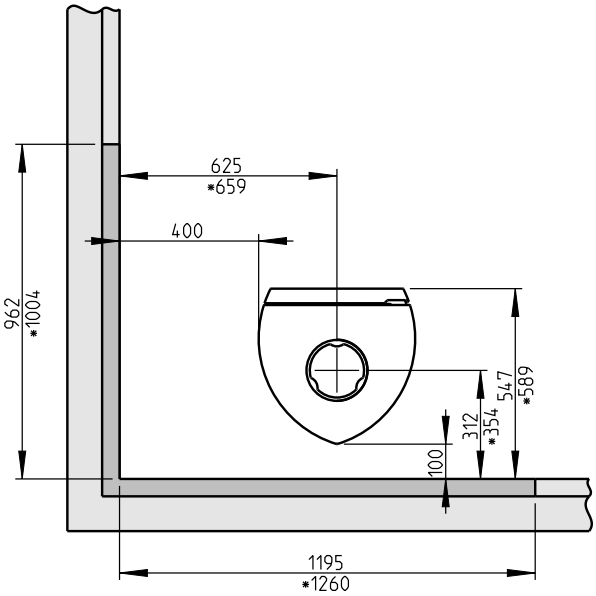


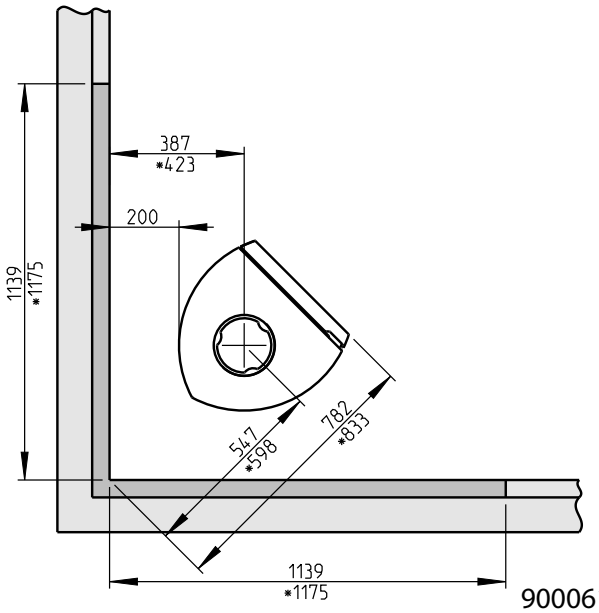




Integrated




900061-P11

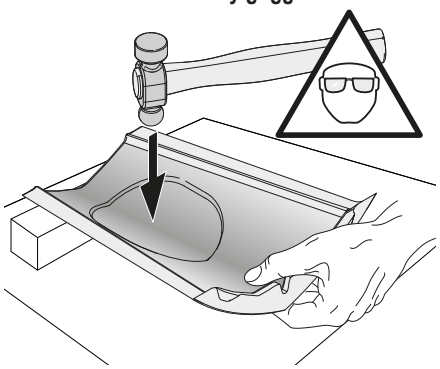
## Air supply

The outside air connection may be fitted directly to the product through:

- Through a flexible supply hose from the outside or 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

**Important! The knockout for the outside air connection must be removed from the inside. Use safety goggles.**



Tip: It is a great advantage if the rear leg is dismounted before removing the knockout.

1. Lay the product carefully down on its side. You can put the cardboard packaging on the floor to protect it from scratches, etc.
2. Remove the rear leg.
3. Use a heavy mallet and strike hard in the middle of the knockout.

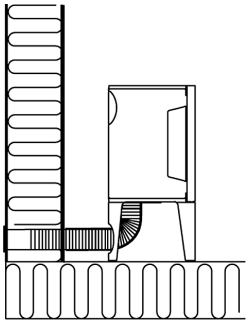


**Fig. 2b,** through the floor and ground plate

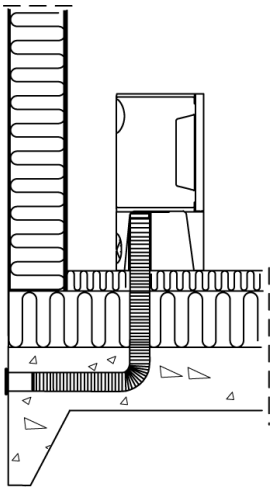


**Fig. 2c,** through the floor and basement

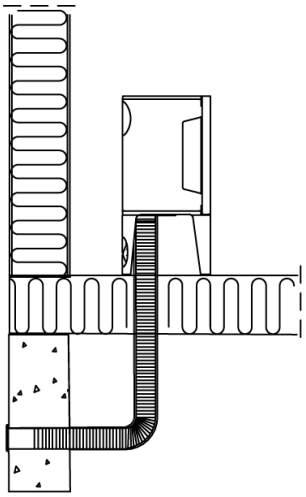
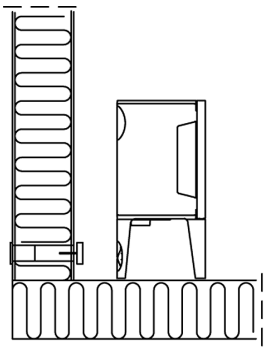


**Fig. 2d,** indirectly through an outside wall



# 3.0 Safety

**NB! To guarantee optimal performance and safety, Jøtul stoves must be fitted by a qualified installer.**

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.

## 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 1 metre 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.

## 3.2 Glove

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

# 4.0 Installation

**N.B. Check that the fireplace is free of any damage prior to commencing installation.**
**The product is heavy! Make sure you have assistance when erecting and installing the fireplace.**

- The stove must be installed in rooms with 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.
- Extractor fans, when operating in the same room or space as the appliance, could cause problems.
- 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 Floor

### Foundations

Ensure that the floor is strong enough for the fireplace. See **«2.0 Technical data»** for weights. It is recommended that flooring which is not fastened to the foundations – so-called floating flooring – is removed during installation.

### Combustible floor protection

If the fireplace is to be mounted on a combustible floor, cover the floor under and in front of the fireplace with a plate of metal or other non- combustible material. The recommended minimum thickness is 0,9 mm.

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

**The plate must be in accordance with national laws and regulations.**
Contact your local building authority regarding restrictions and installation requirements.

## 4.2 Walls (fig. 1a)

### Distance to wall made of combustible material

You may use the fireplace with an uninsulated flue pipe provided the distances to walls made of combustible materials are as shown in **fig. 1**.
Distance to wall with insulated flue pipe: Se **fig. 1.**

### Distance to walls covered by a firewall (fig. 1b and fig. 1c)

*Contact your local building authority regarding restrictions and installation requirements.*

#### Firewall requirement

The firewall must be at least **100 mm** thick and be made of brick, concrete-stone or light concrete. Other materials and constructions with satisfactory documentation may also be used.

### Distance to non combustible walls

By non combustible one means a non load-bearing wall of solid brickwork/concrete.

*Contact your local building authority regarding restrictions and installation requirements.*

## 4.3 Chimneys and flue pipes

- The fireplace can be connected to a chimney and flue pipe approved for solid fuel fired appliances with flue gas temperatures specified in **«2.0 Technical data»**.
- The chimney's cross-section must be at least as big as the flue pipe's cross-section. See **«2.0 Technical data»** when calculating the correct chimney cross-section.
- Several solid fuel fired appliances can be connected to the same chimney if the chimney's cross-section is sufficient.
- Connection to the chimney must be carried out in accordance with the installation instructions from the supplier of the chimney.
- Before making a hole in the chimney the fireplace 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.

- Ensure that the flue pipe is inclined all the way up to the chimney.
- Use a flue pipe bend with a sweeping hatch that allows it to be swept.
- 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.
- 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. **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.

**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.

Be aware of the fact that it is particularly important that connections have a certain flexibility in order to prevent movement in the installation leading to cracks.

**N.B. A correct and sealed connection is very important for the proper functioning of the product.**

**Chimney draught; See «2.0 Technical data». If the draught is too strong you can install and operate a flue damper to control the draught.**

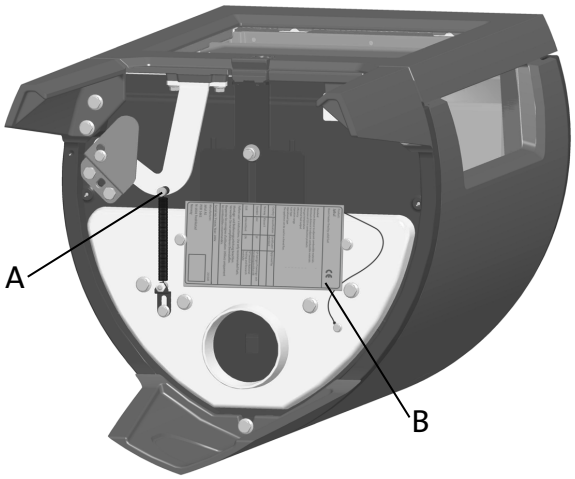
## 4.4 Assembly prior to installation

The product is delivered in a single packing case.
After unpacking the stove check that the stove is free of any damage and that the regulating handles works.

## 4.5 Selfclosing doormechanism

The product is delivered with a selfclosing doormechanism. If wanted this can be removed.

**Fig. 3**



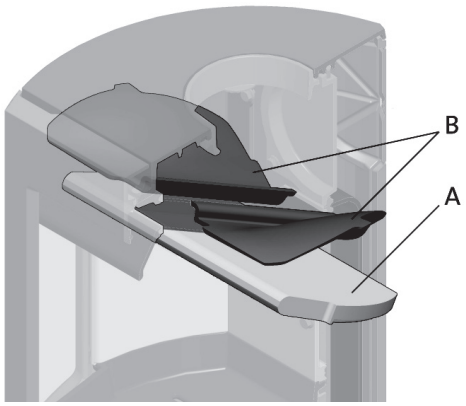

1. Unscrew the screw and nut **(fig. 3 A)**.
2. Unhook and remove the spring.

## 4.6 Fitting the flue pipe with the rear outlet

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

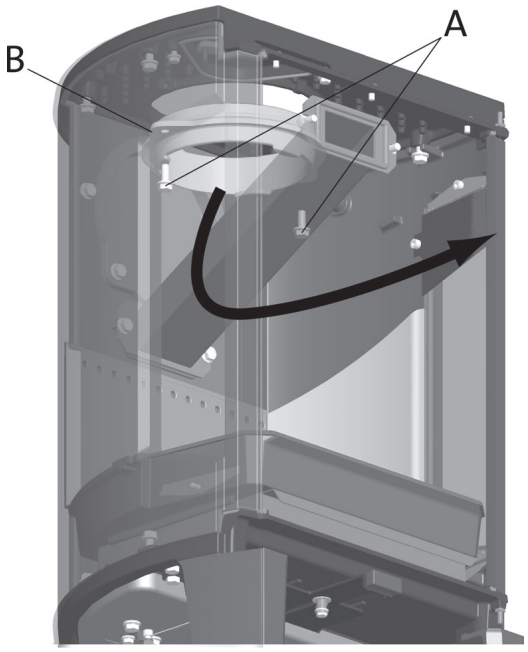
**NB! Proceed as follows for installation with a rear outlet:**

**Fig. 4**



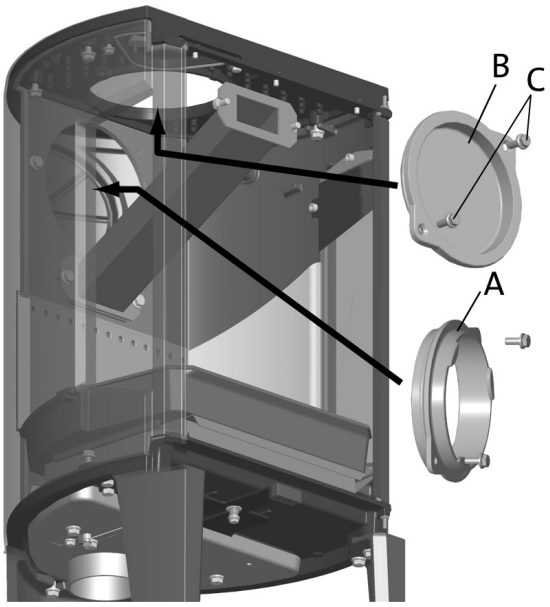

1. Lift the baffle **(Fig. 4 A)** up carefully.
2. Remove one of the side burn plates by lifting them up a little and then out. (Be aware if using tools, that vermiculite plates may be damaged by rough handling).
3. Remove the baffle.
4. Remove the other side burn plate.
5. Remove the exhaust deflectors **(Fig. 4 B)**.

**Fig. 5**



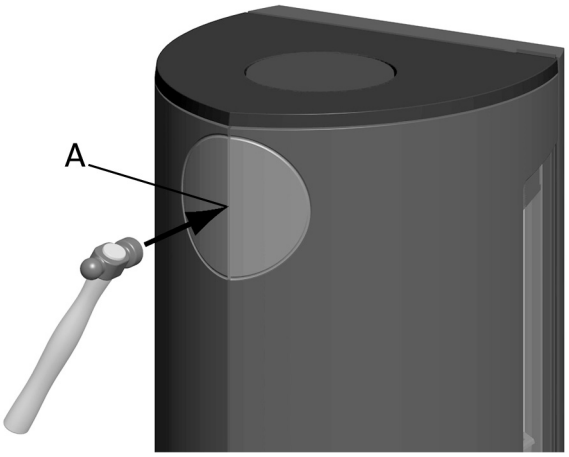

6. Unscrew the screws **(fig. 5 A)** and remove the smoke outlet **(fig. 5 B)** from the top outlet from the inside of the burn chamber.

**Fig. 6a**




7. Unscrew the screws **(fig. 6a C)** and remove the cover **(fig. 6a B)** from the rear outlet from the inside of the burn chamber.

**Fig. 6b**




8. Knock out the removable cover plates **(fig. 6b A)**.
9. Attach the smoke outlet **(fig. 6a A)** on the inside of the burn chamber where the cover was.
10. Install the cover **(fig. 6a B)** where the smoke outlet was.
11. Refit the exhaust deflectors **(fig. 4 B)** and the baffle plate **(fig. 4 A)**.

## 4.7 Control of functions

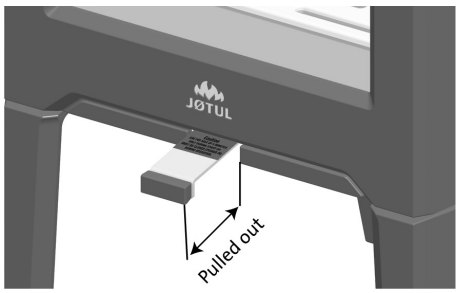
When the product is set up, always check the control functions. These shall move easily and function satisfactorily.

Jøtul F 162 and F 163 are equipped with the following control:

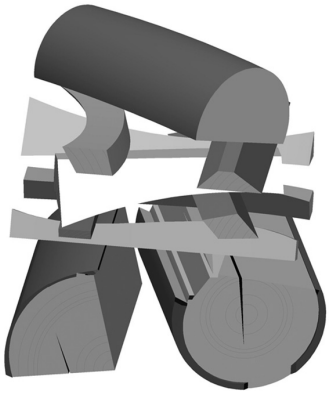
**Ignition vent/air vent**

### Ignition

**Fig. 7a**



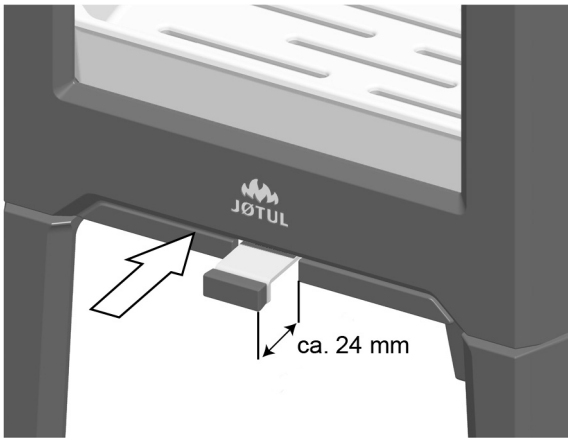

- Open the ignition vent and air vent by pulling the handle all the way out. (Use a glove or something similar to protect your hand in case the handles are hot.)



- 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.

## Heating

**Fig. 7b**




- Leave the ignition-/air vent 24 mm **(fig. 7 B)** open when the wood has caught fire properly and is burning well.
- Close the door.
- You can then regulate the rate of combustion to give the heat you want by adjusting the air vent.
- Check that the afterburning (secondary combustion) starts. This is best indicated by yellow, flickering flames in front of the holes under the baffle.

## 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.

# 4.7 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).

# 5.0 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.

# 5.1 Operation

## 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"**.

## 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.*

**NB: 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.**

## Wood consumption

Use of wood, with nominal heat emission: Approx. **1,6 kg/h**. Another important factor for proper fuel consumption is that the logs are the correct size. The size of the logs should be:

### Kindling:

*Length: 23-33 cm*
*Diameter: 2 - 5 cm*
*Amount per fire: 6 - 8 pieces*

### Daily use

**Firewood (split logs):**
*Length: 23 - 33 cm*
*Diameter: Approx. 8 cm*
*Intervals for adding wood: Approximately every 45 minutes*

*Size of the fire: 1,2 kg*
*Amount per load: 2 pieces*

Nominal heat output and efficiency are based on heating with total 1,24 kg beech (2 logs). The air vent was pulled out 24 mm. Nominal heat emission is achieved when the air vent is open approximately 60 %.

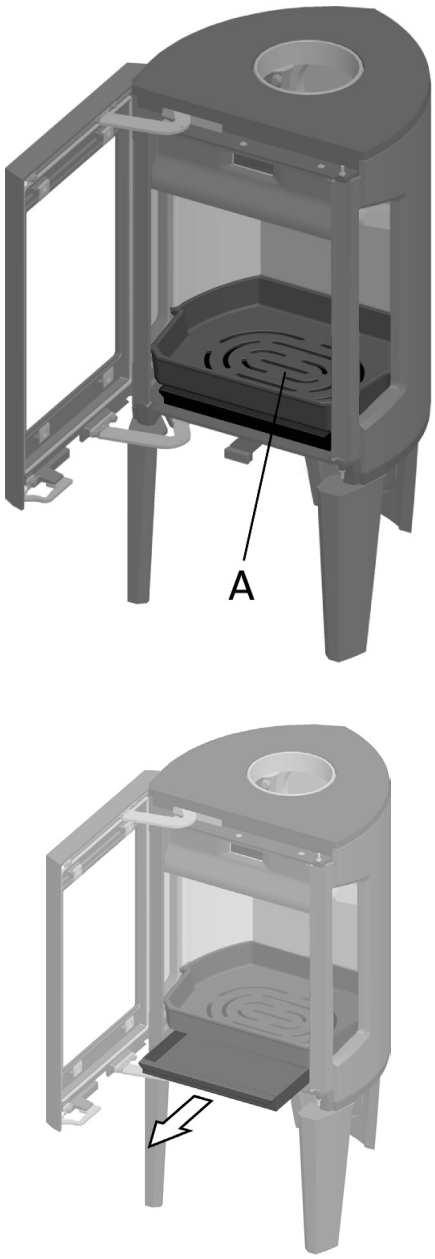
### Maximum use

Max. load: 2,9 kg/h (max. 3 pieces per load /2,2 kg per load)

## 5.2 Ash removal

Jøtul F 162 / F 163 have an ash pan which makes it easy to remove the ash.

**Fig. 8**




1. Scrape the ash through the grate **(fig. 8 A)** in the base plate and into the ash pan. Use a glove to grab the handle on the ash pan.
1. Make sure that the ash pan doesn't fill up so high that it keeps ash from coming through the grate into the pan.

## 5.12 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!

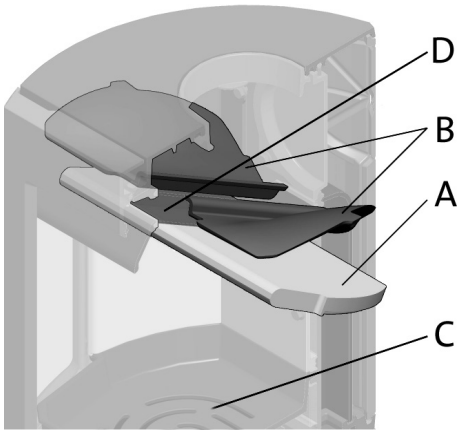
Do not place combustible material in the base of the stove (F 165 and F 165 S).

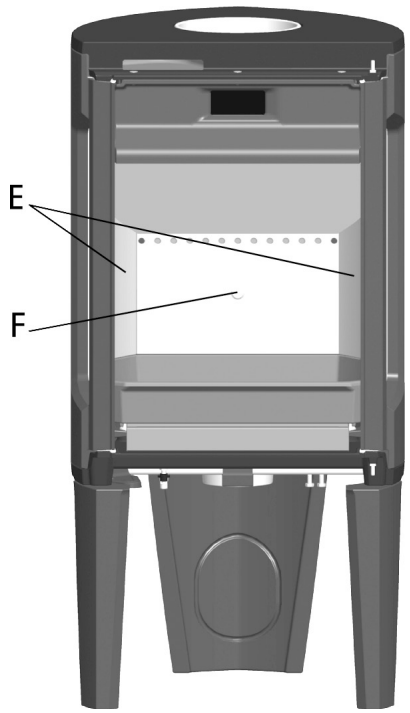
# 6.0 Service

**Warning!** Any unauthorised change to the product is not allowed. Only use original spare parts.

## 6.1 Changing the burn plates/inner bottom plate

**Fig.9**






1. Lift the baffle **(Fig. 9 A)** up carefully.
2. Remove one of the side burn plates **(Fig. 9 E)** by lifting them up a little and then out. (Be aware if using tools, that vermiculite plates may be damaged by rough handling).
3. Remove the baffle.
4. Remove the other side burn plate.
5. Unscrew the M8x25 mm screw on the rear burn plate **(Fig. 9 F)** and remove the burn plate.
6. Then lift up and remove the inner bottom plate **(Fig. 9 C)**.

Follow the same procedure for installation, but in the opposite sequence.

## 6.2 Changing the baffle plate

- Follow step 1 -3 under **Fig. 9**.
- Access is then easy to the smoke deflectors **(Fig. 9 B)** if they need to be removed. They are situated on 1 knob on the side and on the air manifold **(fig. 9 D).**
- Edge them down and remove them through the door.

For re-installation follow the same procedure in the opposite sequence.

# 7.0 Maintenance

## 7.1 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)*.

## 7.2 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.

## 7.3 Sweeping flue pipes to the chimney

Flue pipes must be swept through the flue pipe sweeping hatch or through the door opening.

One of the baffles will have to be removed first in order to do this.

## 7.4 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.

## 7.4 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.

# 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»** and **«4.0 Installation» (Chimney and flue pipe)** in the installation manual for information.)

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 «7.1 Cleaning the glass».)**

# 9.0 Optional equipment

## 9.1 Leg cover - outside air connection

Cat. no. 51012329

## 9.2 Soapstone top - 50 mm, complete

Cat. no. 51012327

# 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.

# Information to Enable Better Reproduction of Tests:

Refueling criteria used at the ITT: Mass is the default criteria. Make an explanatory note if $CO_2$ is used instead.

Basic fire bed from the beginning of the test: 213 grams
Average $CO_2$ value at refueling: 4.5 % (always, regardless of the refueling criteria)
Average increment of the BFB from one refueling to the other: 7 grams

For output testing the door was closed immediately after refuelling. The air supply was slowly adjusted down to approx. 47% after approx. 2:30 minutes after refuelling time until the end of the burn cycle.

## Nominel output test:



The stove on the test rig, output test

1.24 kg birch wood in total, distributed among two wood logs each 250 mm long.
The wood logs were placed at the bottom, parallel to the loading door.

## Safety test



The stove on the test rig, safety test



Placement of the fuel load in the firebox

2.29 kg in total, distributed among eight to ten pieces of timber each 250 mm long. The cross dimension is 50x50 mm nominal measure.

The safety test fuel load is placed in a cross pattern.

Manuual Version P00
EN 16510
Jøtul AS, Sept. 2025

Jøtul pursue a policy of constant product development. Products supplied may therefore differ in specification, colour and type of accessories from those illustrated and described in the brochure.

Jøtul vise sans cesse à améliorer ses produits. C'est pourquoi, il se réserve le droit de modifier les specifications, couleurs et équipements sans avis prélable.

**Quality**
Our policy gives our customers quality and safety piece of mind as a result of Jøtul's vast experience dating back to when the company first started in 1853.

**Qualité**
Cette politique nous permet d'offrir à nos clients une qualité et une sécurité reposant sur la vaste expérience accumulée par Jøtul depuis sa création en 1853.

**Jøtul AS**,
P.o. box 1411
N-1602 Fredrikstad,
Norway
www.jotul.com