

ENGLISH

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Installation manual with technical data

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General use and maintenance manual

6.0	Safety precautions
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Register your fireplace at jotul.com for a 25-year warranty.

Product: Jøtul Room heater fired by solid fuel		CE
Standard		
Minimum distance to adjacent combustible materials:		
Minimum distance to adjacent combustible materials:		
Emission of CO in combustion products:		
Flue gas temperature:		
Nominal heat output:		
Efficiency:		
Operation range:		
Fuel type:		
Operational type:		
The appliance can be used in a shared flue:		
Country	Classification	Certificate/standard
Norway	Klasse II	SP Sørøstlands- og Hordalandregionen
Sweden	OC	SP Sveriges Provnings- och Forskningsinstitut AS
ELR	Intermittent	SP Swedish National Testing and Research Institute
Follow user's instructions. Use only recommended fuels. Montage- und Bedienungsanleitung beachten. Verwenden Sie nur empfohlenen Brennstoffe. Respecter les consignes d'utilisation. Utilisez uniquement les combustibles recommandés.		
Serial no. Yxxxx, Year: 200x		
Manufacturer: Jøtul AS PØR 3441 N-1602 Fredrikstad Norway		

On all our products there is a label indicating the serial number and year. Write this number in the place indicated in the installation instructions.

Always quote this serial number when contacting your retailer or Jøtul.

Serial no.

1.0 Relationship to the authorities

Installation of a fireplace must be according to local codes and regulations in each country.

All local regulations, including those which refer to national and European standards, must be observed when installing the product.

Both an installation manual with technical data and a manual on general use and maintenance are enclosed with the product. The installation can only be used after it has been inspected by a qualified inspector.

A name plate of heat-resistant material is affixed to the product. This contains information about identification and documentation for the product.

2.0 Technical data

Material:	Cast iron
Finish:	Enamel or black paint
Fuel:	Wood
Log length, max.:	40 cm
Flue outlet:	Top and rear
Flue pipe dimension:	
- inside :	Ø125 mm/123 cm ² cross section
- outside :	Ø 150mm/177 cm ² cross section
Approx. weight:	97 kg
Optional equipment:	Enamelled floor plate, long legs, extra heat shield
Dimensions, distances etc.:	See fig. 1

Technical data according to EN 13240

Nominal heat output:	5,0 kW
Flue gas mass flow:	5,0 g/sec
Recommended chimney draught:	12 Pa
Efficiency:	78% @ 6,1 kW
CO emission (13% O ₂):	0,18%
Flue gas temperature:	298° C
Operational mode:	Intermittent

Intermittent combustion in this context means normal use of the fireplace, i.e. fuel is added as soon as the fuel has burnt down to a suitable amount of embers.

Wood consumption

Jøtul F 100 has a nominal heat output of **5,0 kW**. Use of wood, with nominal heat emission: Approx. **1,8 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: 20 - 40 cm

Diameter: 2 - 5 cm

Amount per fire: 6 - 8 pieces

Firewood (split logs):

Length: 40 cm

Diameter: Approx. 8 cm

Intervals for adding wood: Approx. every 60 minutes

Size of the fire: 1,8 kg

Amount per load: 2 pieces.

Nominal heat emission is achieved when the air vent is open approximately 50%.

3.0 Installation

3.1 Floor

Foundations

It must be ensured that the foundations are dimensioned for the fireplace. Cf. «**2.0 Technical data**» for specification of weight. It is recommended that flooring which is not fastened to the foundations – so-called floating flooring – is removed during installation.

Requirements for protection of wooden flooring

Jøtul F 100 has a heat shield underneath which protects the floor from radiation. The product can therefore be placed directly on a wooden floor that is covered by a metal plate or other suitable, non-inflammable 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

Requirement for protecting combustible flooring in front of fireplace

The front plate must be in accordance with national laws and regulations.

Contact your local building authorities regarding restrictions and installation requirements.

3.2 Walls

Distance from the wall of flammable material – cf. fig. 1

The fireplace is authorised for use with an uninsulated flue with the distances to the wall of flammable material as shown in **fig 1**.

Distance to the flammable wall protected by a firewall

Firewall requirement

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

3.3 Ceiling

Jøtul F 100 may be assembled with the upper edge of the hot air aperture min **1200 mm** beneath the ceiling of the flammable material

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3.4 Chimneys and flue pipes

- A chimney can be linked to the fireplace and flue approved for solid fuel-fired fireplaces with a flue gas temperature as specified in «2.o Technical data».
- The cross-section of the chimney must be at least equal to the cross-section of the flue. Please use «2.o Technical data» to calculate the correct cross-section of the chimney.
- Several solid fuel-fired fireplaces can be connected to the same chimney if the cross-section of the chimney is adequate.
- 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.

Be aware of the fact that connections must 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.**

The chimney draught, see «2.o Technical data». If the draught is too strong you can install and operate a flue damper to control the draught.

3.5 Assembly prior to 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.

1. The product is delivered in a single packing case where the smoke outlet, ash lip and door bolt knob must be assembled.
2. Once you have unpacked the product, remove all loose parts. Check that the product does not have any visible damage and that the operating handles work.

Rear mounted flue pipe

If the flue pipe is to be rear mounted do the following:

- Cut out a hole in the heat shield at the back for the flue pipe (fig. 3).
- Unscrew the two screws holding the cover for the rear outlet from the inside. (Hold the cover when removing the last screw) (fig. 5A).
- Fasten the cover on the top plate.
- Connect the smoke outlet to the rear plate.
- Install the ash lip by hanging it under the door.
- Screw the door knob on the handle. (Place the white washer between the handle and the knob.)
- Remove the protective paper from the gasket and fasten it around the outside of the flue pipe.
- Mount the flue pipe into the flue outlet.

N.B. It is important that the joints/flue pipes are completely sealed. Air leaks can prevent the flue pipe from functioning properly.

Top mounted flue pipe

If the flue pipe is to be top mounted do the following:

1. Attach the flue outlet to the top plate using the two screws. **Fig. 4A.**
2. Install the ash lip by hanging it under the door.
3. Screw the door knob on the handle. (Place the white washer between the handle and the knob.)
4. Remove the protective paper from the gasket and fasten it around the outside of the flue pipe.
5. Mount the flue pipe into the flue outlet.

N.B. It is important that the joints/flue pipes are completely sealed. Air leaks can prevent the flue pipe from functioning properly.

3.6 Control of functions

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

Jøtul F 100 is equipped with the following controls:

Air vent: **fig. 2A**
Ignition vent: **fig. 2B**

To the left: Closed
To the right: Open

3.7 Ash removal (fig 6)

Jøtul F 100 with ash pan

1. Open the grate.
2. Lift out the ash pan.
3. Carefully place the grate down.
4. Ideally, some ash should be left as a protective layer for the bottom of the fireplace.
5. Make sure the door to the ash pan is securely shut when the stove is in use.

For the rest, see description of how to handle ash in the Manual on general use and maintenance in Point «6.1 Fire preventive measures».

Jøtul F 100 without ash solution

1. Lift out the ash retainer
2. Use a shovel or similar and scrape out the ash.
3. Leave a little ash in the bottom of the combustion chamber as a protective insulating layer.

For the rest, see description of how to handle ash in the Manual on general use and maintenance in Point «6.1 Fire preventive measures».

4.0 Service

Warning! Any unauthorised change to the product is illegal!
Only use original spare parts!

4.1 Replacement of the baffle plate – inner bottom – burn plates

1. Remove the ash retainer.
2. Lift the baffle, which rests on the burn plates, forwards and to the side and then tilt it down and out of the door. *(If the product is rear-mounted the top plate may be lifted off and the baffle removed through the top.)*
3. Lift up the inner bottom and tilt it out.
4. Remove the burn plates.

Follow the same procedure for installation, but in reverse.

5.0 Optional equipment

5.1 Floor plate

For the Jøtul F 100 we can supply a decorative blue-black enamelled floor plate.

Size: 630 x 759 x 17 mm.

5.2 Long legs

If you would like a taller fireplace it is possible to install longer legs. Height 215 mm.

5.3 Extra heat shield - Cat. no. 50012956

If the product is mounted with an extra heat shield, see **fig. 1** for distances from wall to stove.

6.0 Recycling

6.1 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.

6.2 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.

7.0 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.

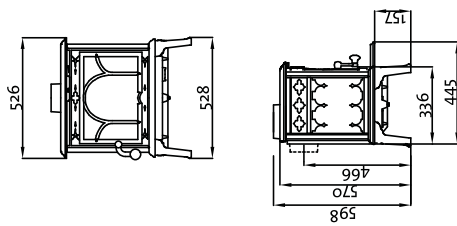
If Jøtul is unable to meet the obligations outlined in the above guarantee terms, Jøtul will offer a replacement product with a similar heating capacity free of charge.

Jøtul reserve the right to decline of any replacement of parts or service in the event that the guarantee is not registered 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.

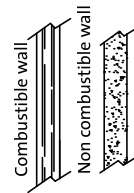
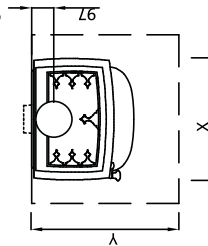
Jøtul F 100

Fig. 1 A

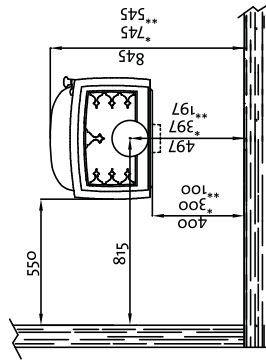
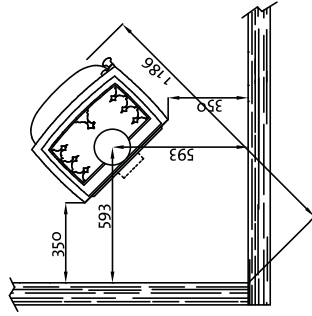
Produkt
Product



Min. mål gulvplate / measure floorplate
X / Y= Acc. to national regulatives and regulations.



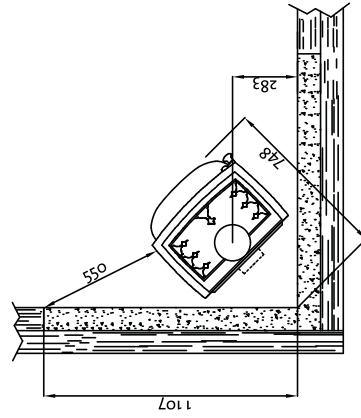
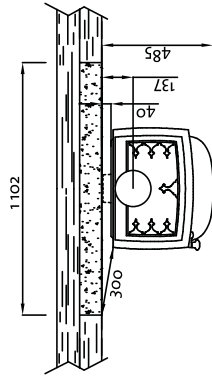
Min.avstand til brennbar vegg.
Min. distance to combustible wall.



* With insulated flue pipe

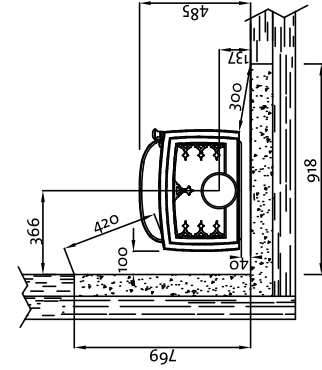
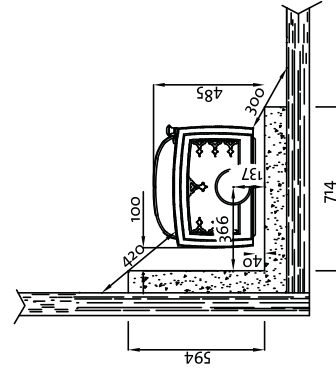
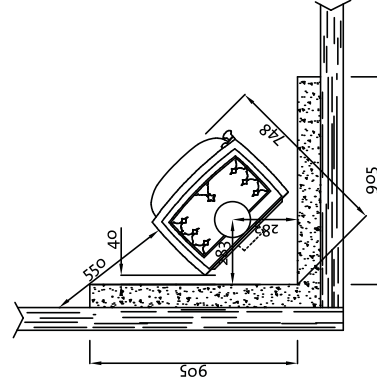
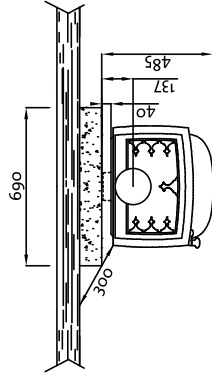
** With insulated flue pipe and extra rear heat shield

Innfelt / integrated



Min.avstand til brennbar vegg beskyttet av brannmur
Min. distance to combustible wall protected by fire wall

Utenpåliggende / external



Målene gjelder ubehandlede produkter. Etter lakkering eller emaljing kan målene variere noe.
Dimensions refer to untreated products. After painting or enamelling dimensions may have small divergences.

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Fig. 2



Fig. 5

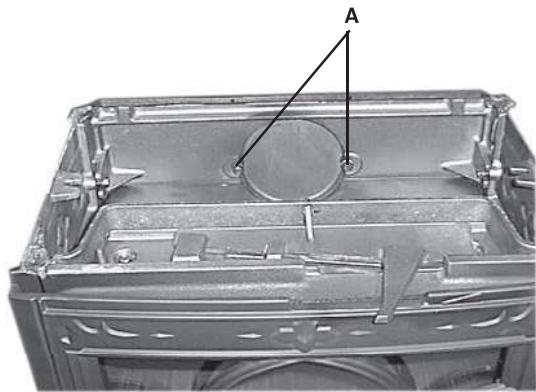


Fig. 4

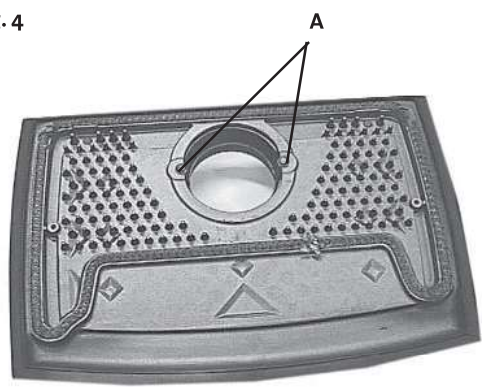


Fig. 6



Fig. 3

