# Installation instruction

C 630

Contura

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Part of NIBE

# PERFORMANCE DECLARATION

No. C630-CPR-130608-SE-1

Contura

## PRODUCT

| | |
|---|---|
| Product type | Stove lit with solid biofuels |
| Type designation | Contura 630 |
| Manufacturing number | See rating plate on the stove |
| Intended area of use | Heating of rooms in residential buildings |
| Fuel | Wood |

## MANUFACTURER

| | |
|---|---|
| Name | NIBE AB / Contura |
| Address | Box 134, Skulptörvägen 10<br>SE-285 23 Markaryd, Sweden |

## CHECKS

| | |
|---|---|
| According to AVCP | System 3 |
| European standard | EN 13240:2001 / A2:2004 |
| Test institute | Rein-Ruhr Feuerstätten Prüfstelle, NB 1625,<br>has checked declared performance and issued test report no. RRF-40 12 3015 |

## DECLARED PERFORMANCE

| Essential characteristics | Performance | Harmonised technical specification |
|---|---|---|
| Reaction to fire | A1 WT | EN 13240:2001 / A2:2004 |
| Minimum distance to combustible material | 100 mm to rear<br>570 mm to side<br>Other safety distances according to the installation instructions | |
| Risk of falling embers | Approved | |
| Emissions from combustion | CO 0.06%<br>NOx 115 mg/m$^3$<br>OGC 57 mg/m$^3$<br>PM 28 mg/m$^3$ | |
| Surface temperatures | Approved | |
| Cleaning options | Approved | |
| Mechanical durability | Approved | |
| Emissions of hazardous substances | Approved | |
| Nominal output | 6 kW | |
| Efficiency | 79% | |
| Flue gas temperature in connector at nominal output | 280°C | |

The undersigned is responsible for the manufacture and conformity with the declared performance.

**Niklas Gunnarsson,** Business area manager NIBE STOVES
Markaryd, 1st July 2013

CE

## A warm welcome to Contura

A warm welcome to the Contura family. We hope you will get a great deal of pleasure from your new stove. As a new owner of a Contura stove, you have secured a product with timeless design and long service life. Contura also has a combustion process that is both environmentally friendly and efficient, for the best heat production.

Read through these installation instructions carefully before installation. Read how to best light your stove in the lighting instructions.

## List of Contents



## NOTE:

**Report the installation of a stove to your local authority.**

The owner of the house is personally responsible for ensuring compliance with the mandatory safety requirements and must have the installation approved by a qualified inspector. Your local chimney sweep must also be informed about the installation as this will affect the routines for regular chimney-sweeping services.

## WARNING!

**The stove becomes very hot**

During operation, certain surfaces of the stove become very hot and can cause burn injury if touched. Also, take heed of the strong heat radiated through the door glass. Placing flammable material closer than the safe distance indicated may cause a fire. Smoulder combustion can cause quick gas ignition with the risk of damage to property and personal injury.

# Technical details

| | |
|---|---|
| Effect | 3-9 kW |
| Nominal effect | 6 kW |
| Efficiency | up to 79% |
| **Model** | **630** |
| Height (mm) | 1544 |
| Width (mm) | 551 |
| Depth (mm) | 478 |
| Weight (kg) | 156 |
| Heat tank (kg) | 85 |

**Type approved in accordance with:**
European standard EN-13240
Swedish type approval
Norwegian standard NS 3059, SINTEF: 043-104
German standard DIN Plus, RRF - 40 12 3015

# Important to remember!

## Installation by authorised technician

This manual contains instructions about how the stoves must be assembled and installed. To ensure the function and safety of the stove, we recommend that the installation is carried out by an authorised technician. Contact one of our dealers who can recommend suitable fitters.

## Building permission

These main insructions may give guidance which would contravene national building regulations. Please refer to supplementary instructions or ask your local authority for advice regarding building regulations. Before installing a stove or erecting a chimney it is necessary for you to make a building application permission to your local authority.

## Structural support

Check that the wood joists are strong enough to bear the weight of the stove and chimney. The stove and chimney can usually be placed on a normal wooden joist in a single occupancy house, if the total weight does not exceed 400 kg.

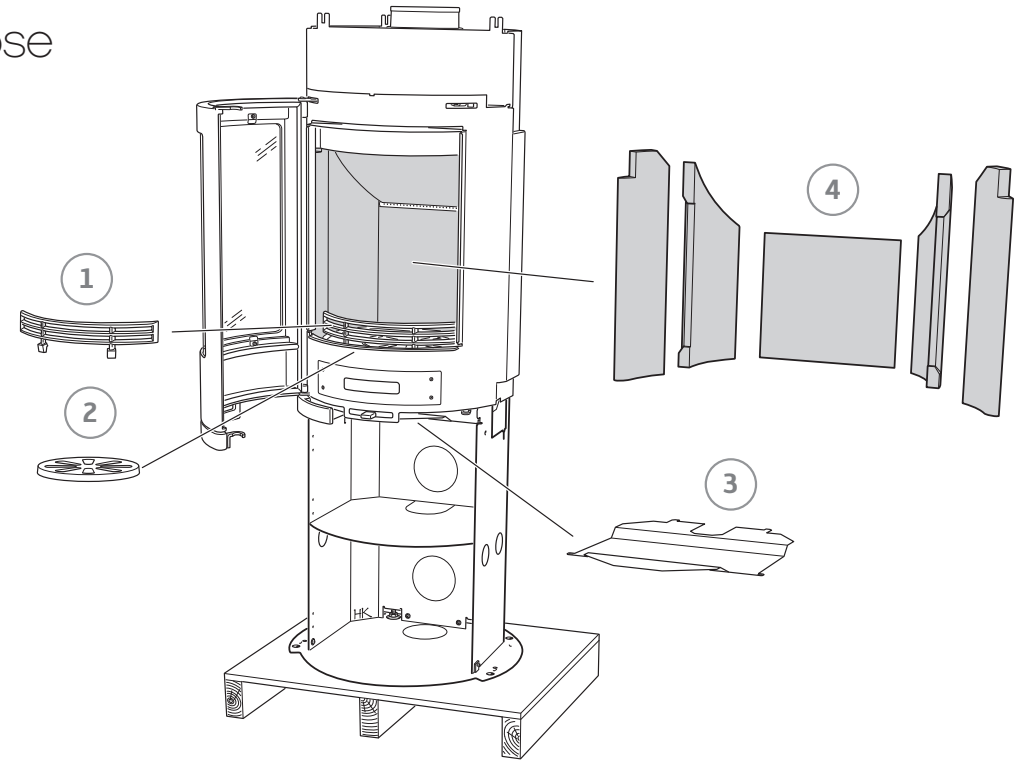
## Floor plate

Due to the risk of falling embers, a flammable floor must be protected by a hearth plate. It must extend 300 mm in front of the stove and 100 mm on each side of the stove, or have a 200 mm extension on each side of the opening. The hearth plate can consist of natural stone, concrete, metal plate or glass. A painted metal or glass hearth plate is available as an accessory for these models.

# Removing the loose parts

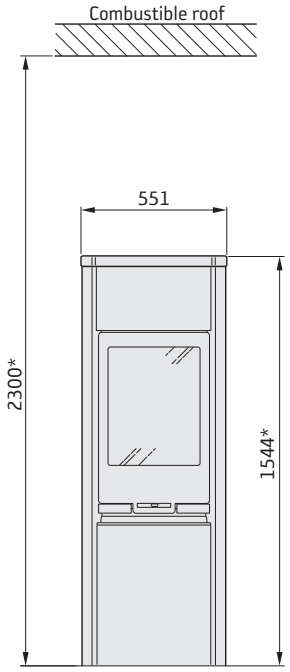
If the insert needs to be put down to be moved, loose components should be removed. When the stove is installed reinstall the components in reverse order, see page 62.

1 Fire bars
2 Grate disc
3 Heat deflector
4 Firebricks (Vermiculite).

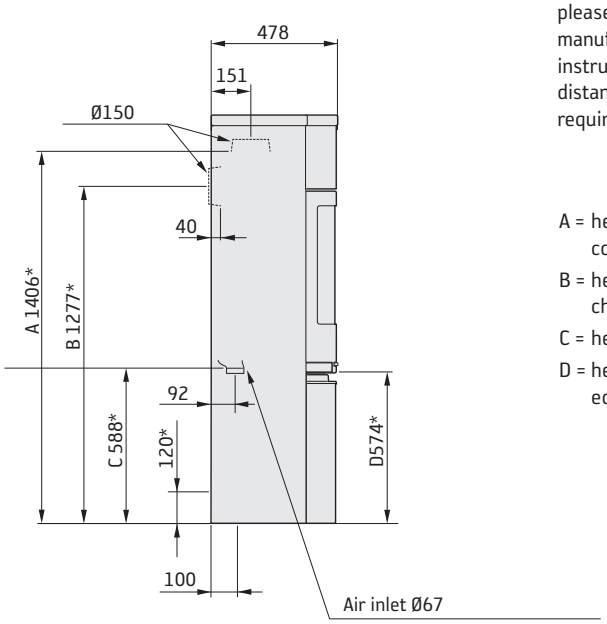


# Installation distances

## C 630



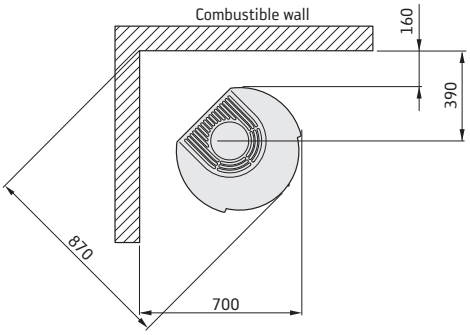

**WHEN INSTALLING TURNTABLE (OPTION)** the following installation distances do not apply. See the separate turntable installation instructions.

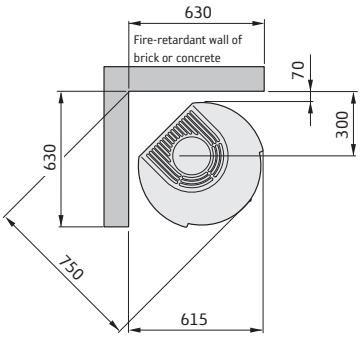


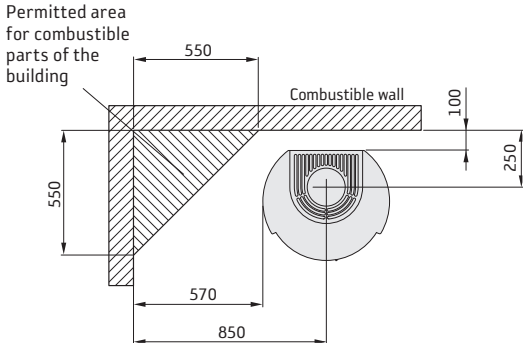

The minimum distance in front of the stove opening to combustible parts of the building or interior decoration must be at least 1 m.

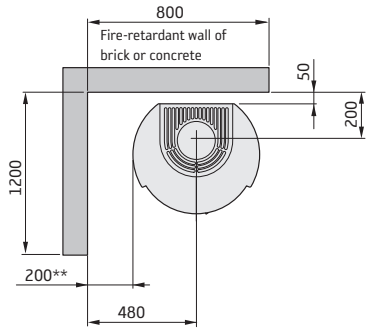
When top connecting a steel flue, please refer to the particular manufacturer's installation instructions. Observe the safety distance to combustible material required by the steel flue

A = height from floor to chimney connection upwards
B = height from floor to c/c chimney connection rear
C = height from floor to air inlet
D = height from floor to bottom edge door




A separate glass hearth plate (accessory) increases the connection height to the chimney by 10 mm. The spacers supplied with the hearth plate are installed on the stove before connection.

* If the stove is placed on a hearth plate made of glass for example (accessory), the height from the floor is affected by a distance corresponding to the thickness of the hearth plate. Also applies to separate glass hearth plates (accessory).

** To prevent discolouration of painted non-flammable walls we recommend that the same side distance as to combustible walls is used.

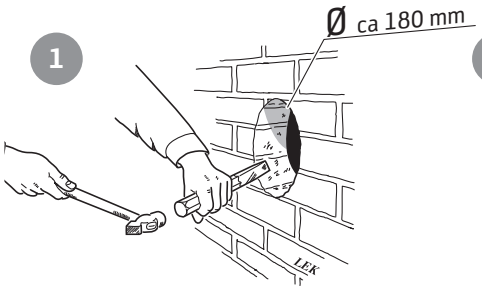
# Connection to chimney

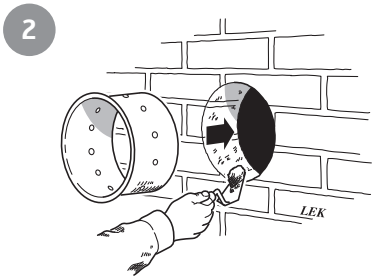
- The stove meets the requirements for connecting to chimneys dimensioned for 350°C flue gas temperature.
- The external diameter of the connection sleeve is 150 mm.
- The stove requires a draft in the chimney of at least –12 Pa. The draft is affected both by the length and area of the chimney, and by how well sealed it is. The minimum recommended chimney length is 3.5 m and suitable cross sectional area is 150-200 cm² (140-160 mm in diameter).
- A flue with sharp bends and horizontal routing reduces the draught in the chimney. The maximum horizontal flue is 1 m, on the condition that the vertical flue length is at least 5 m.
- It must be possible to sweep the full length of the flue and the soot doors must be easily accessible.
- Carefully check that the chimney is sealed and that there is no leakage around soot doors and flue connections.

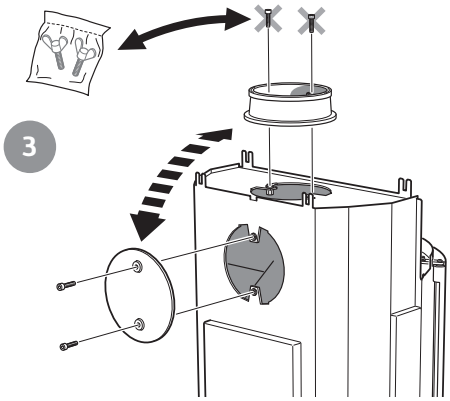
## Rear connection to a masonry chimney

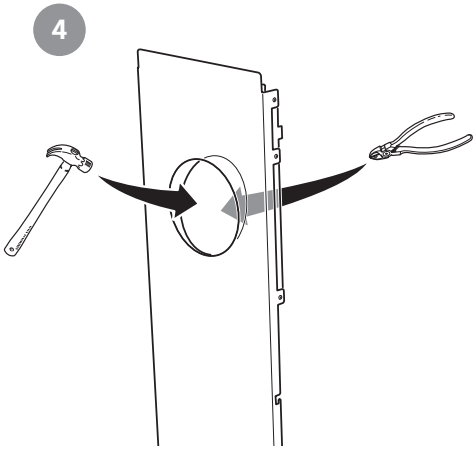
The back panel must be installed on the stove before the stove is connected at the rear.

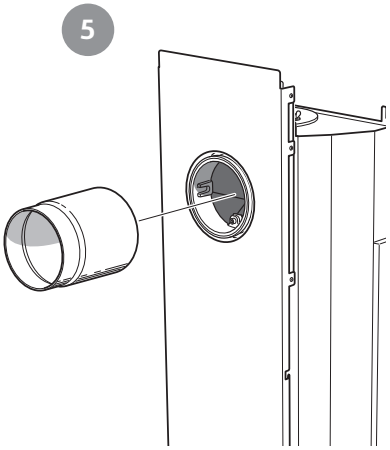
In the bag with these installation instructions are two wing screws for the lid.

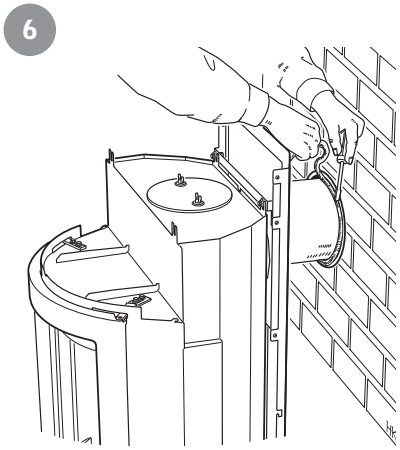


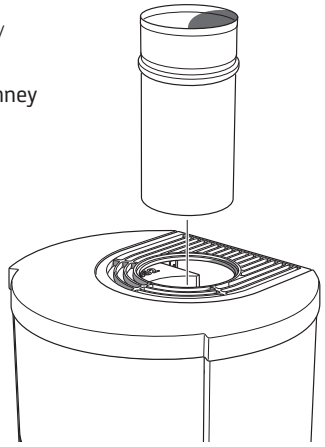




## Top connection to the chimney

The hot air grille must be installed before chimney top connection.



Make sure that the connector gasket does not work loose when the connection pipe is placed on the connector. If further sealing material is required, heat-resistant sealant may be used.

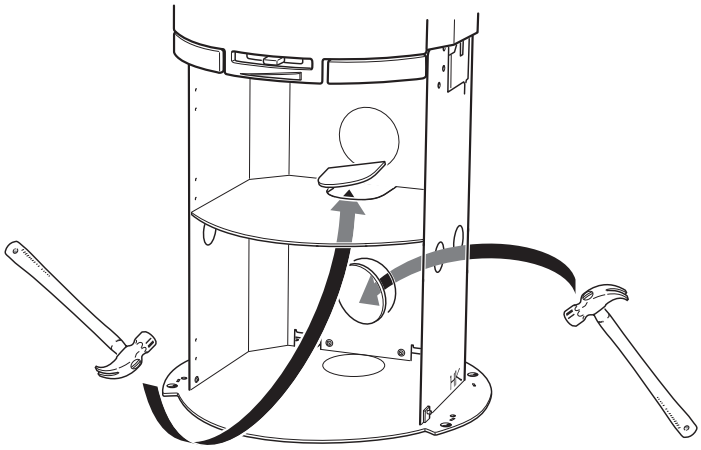
# Supply of combustion air

When a stove is installed in a room, the demand for air supply to the room increases. Air can be provided indirectly via a vent in the outer wall or via a duct from the outside that is connected to the connector on the underneath of the stove. The amount of air needed for combustion is approx. 20 $m^3$/h.

The connector has an external diameter of 67 mm. When duct routing further than 1 m the pipe diameter must be increased to 100 mm and a correspondingly larger wall vent must be selected.

In hot areas the duct should be insulated with 30 mm mineral wool covered with a moisture inhibitor (plastic). It is important that the lead-in between the pipe and the wall (or floor) is sealed using jointing compound.

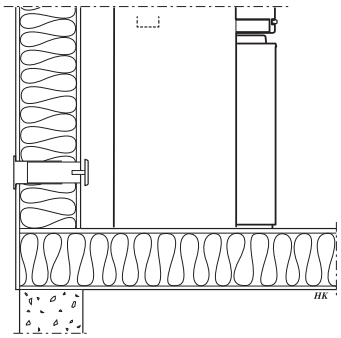
A 1 m length of condensation-insulated ducting for combustion air is available as an accessory.



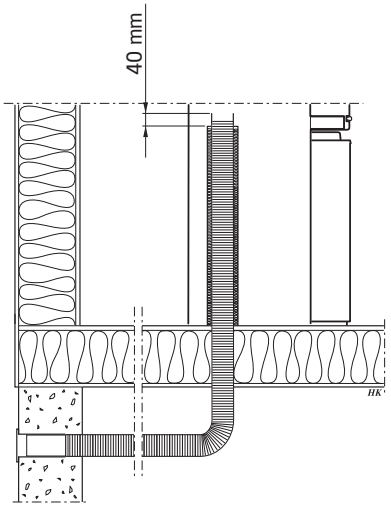
In the back and floor plates there are knockouts that must be removed to insert pipes or for air supply if the stove is equipped with a lower hatch and/or fan (accessory).

Leave a 40 mm gap between the condensation insulation and the bottom of the stove.

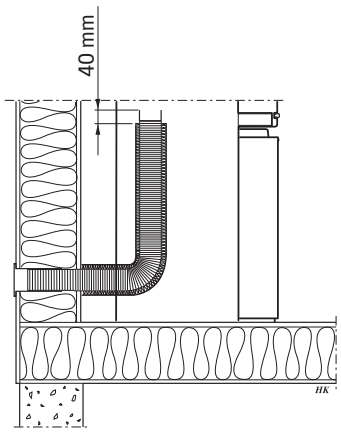
## Installation variants



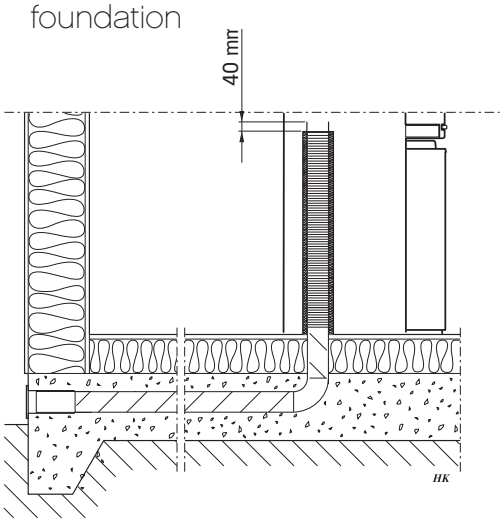
Indirect air supply through the external wall



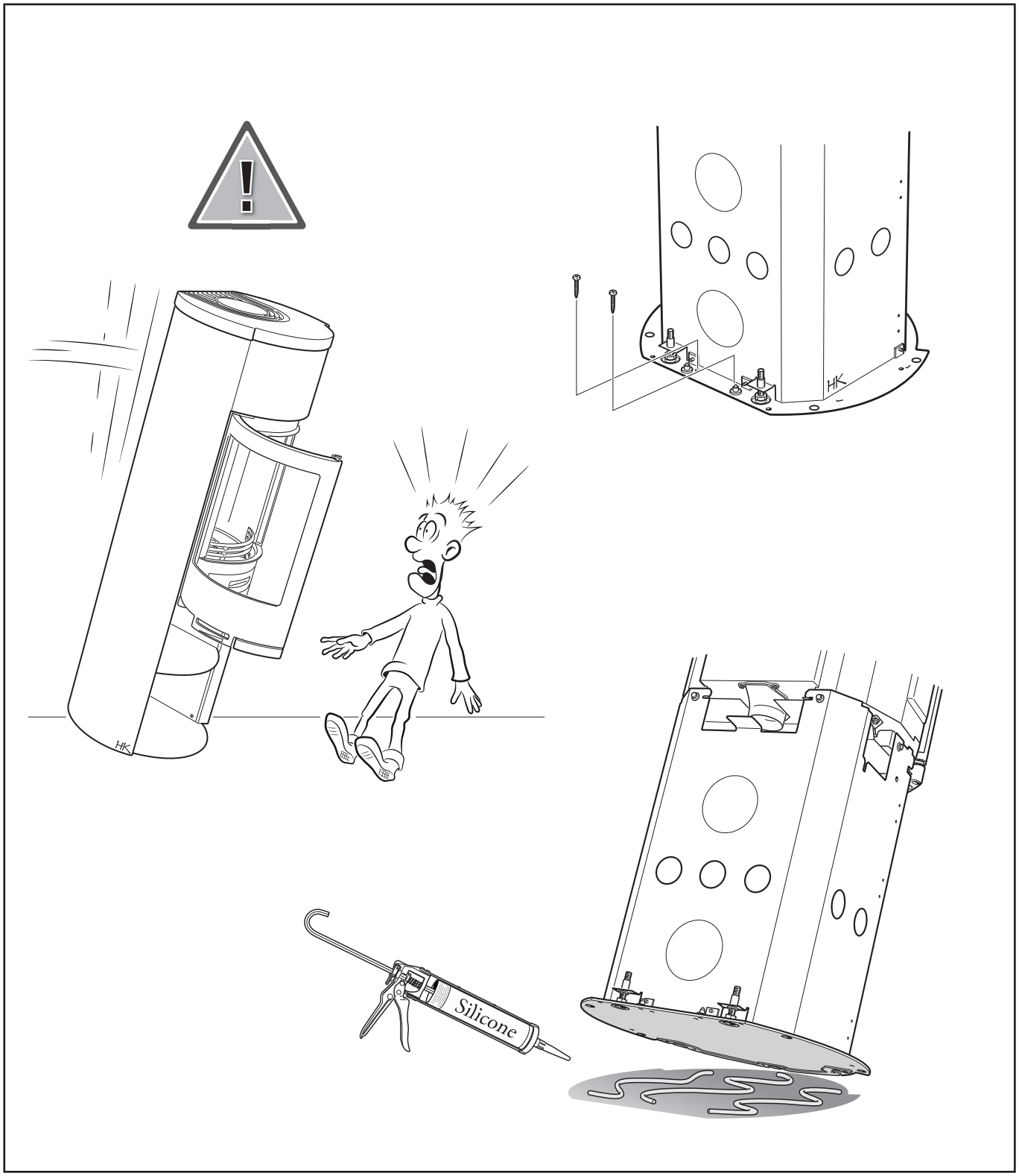

Through floor and wall-and-cavity foundation




Through the external wall

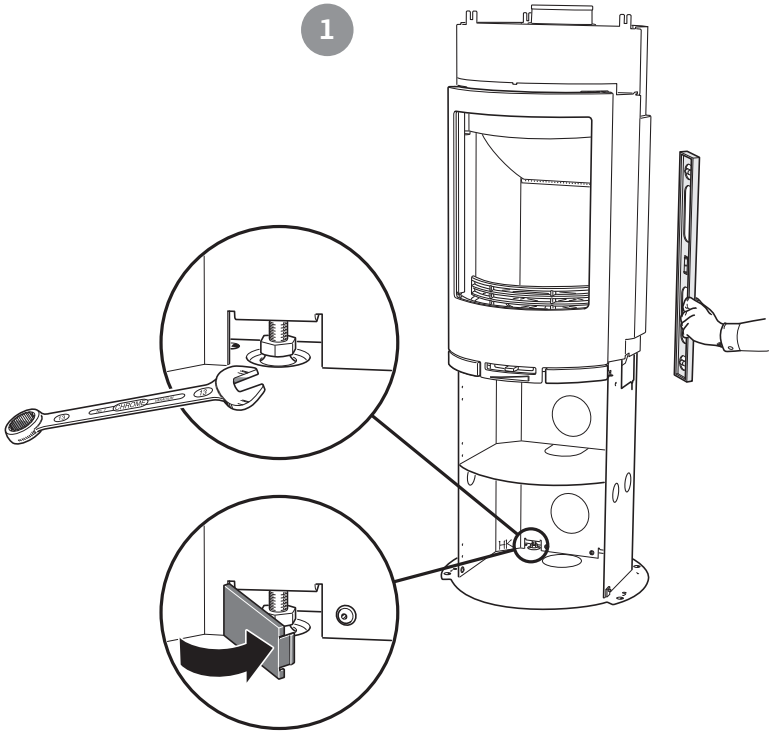


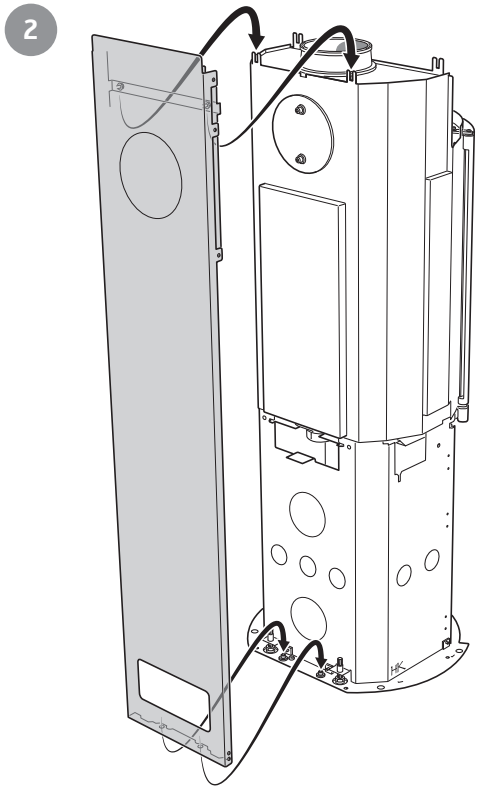

Through floor and foundation slab

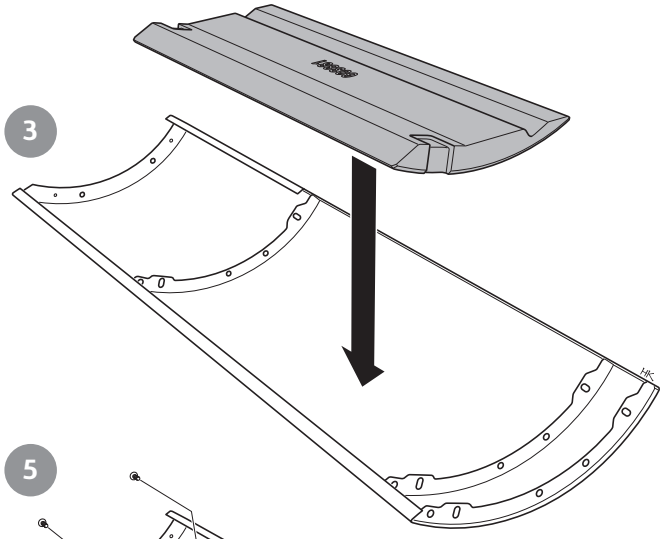

HK
HK
Silicone

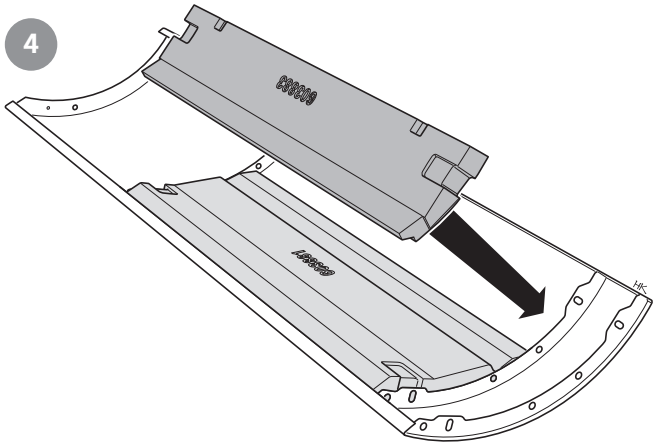
# Installing C 630

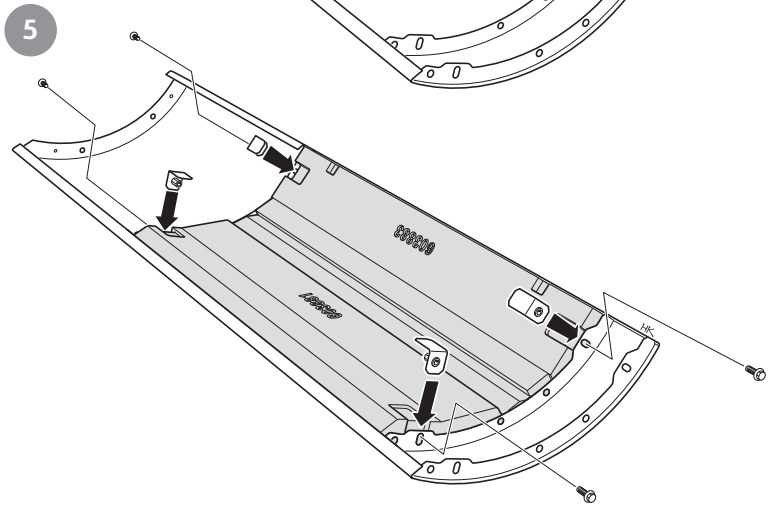
If the stove will not be equipped with a heat tank skip steps 3-5.



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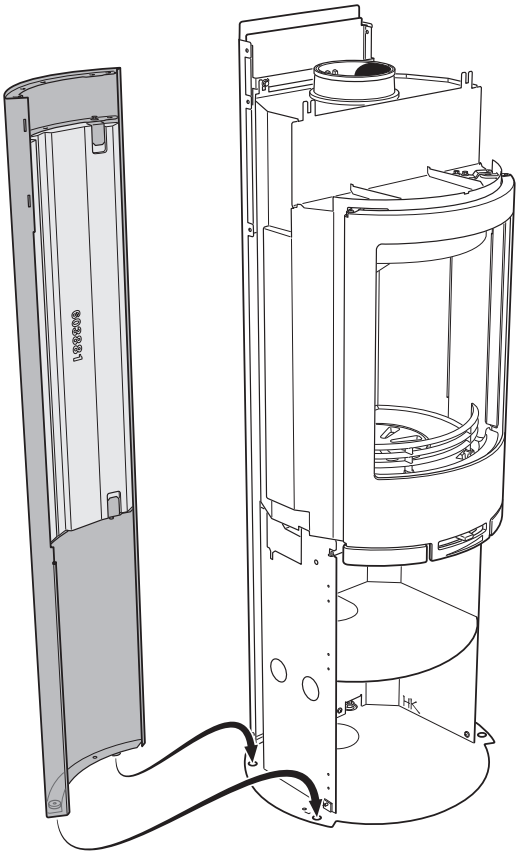

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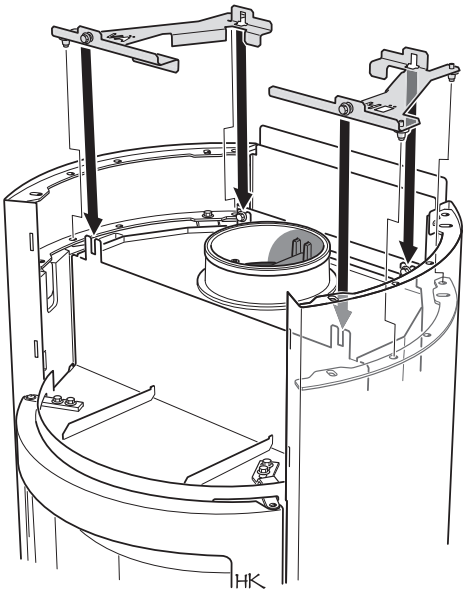

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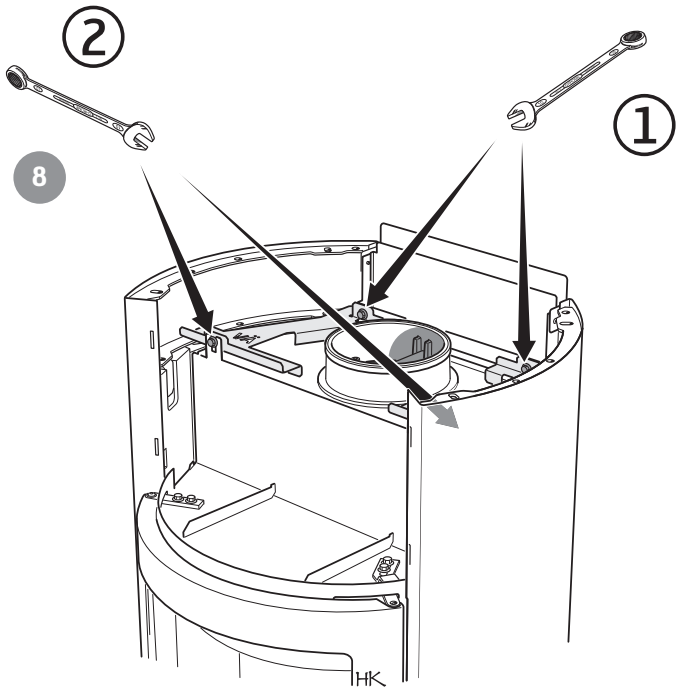


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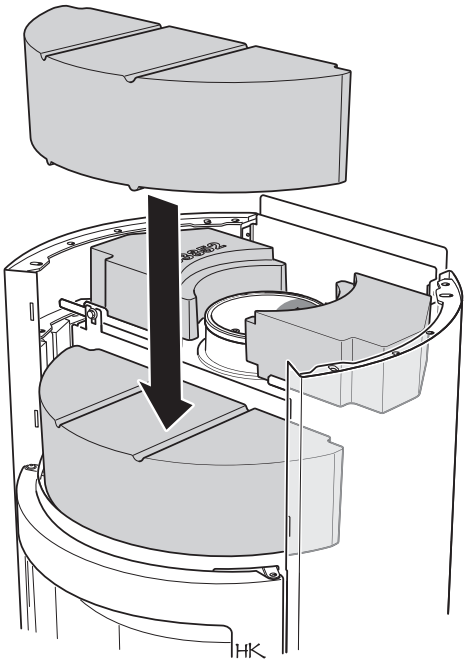
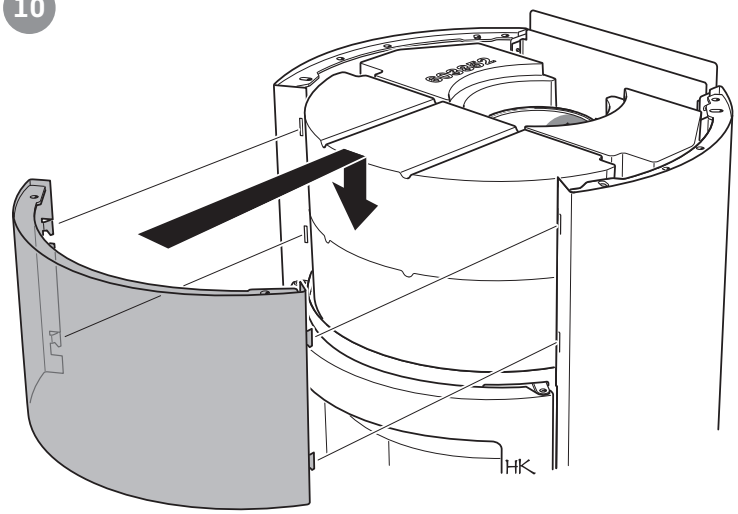



If the stove will not be equipped with a heat tank skip step 9.

10



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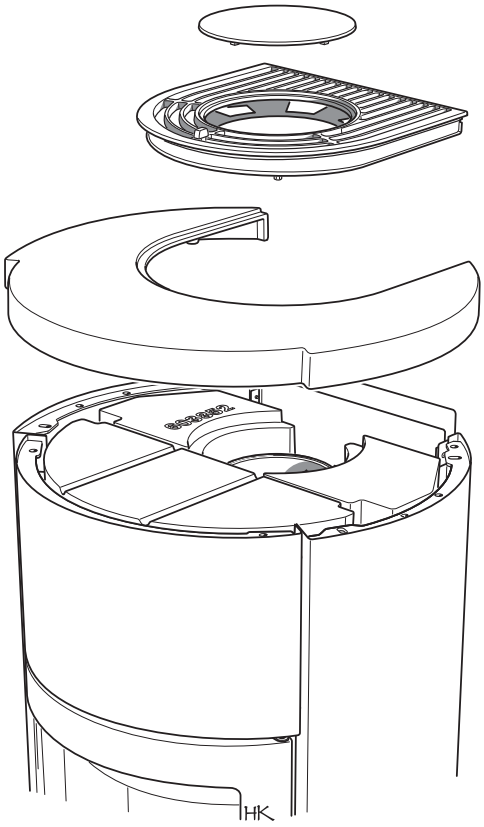
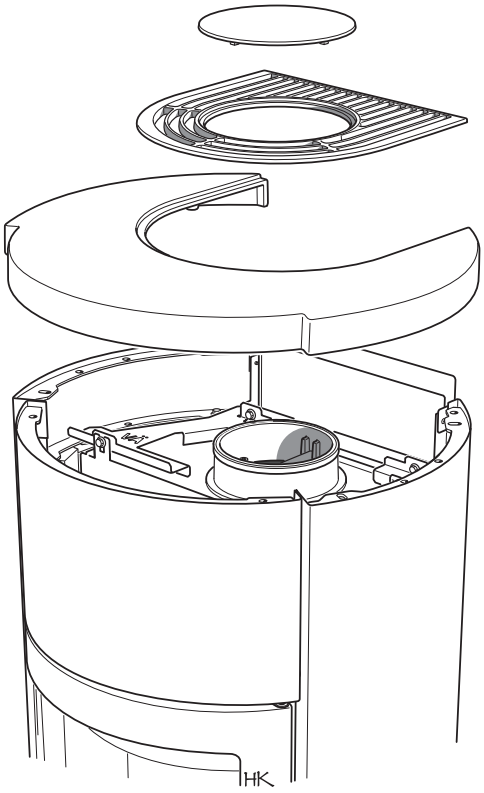


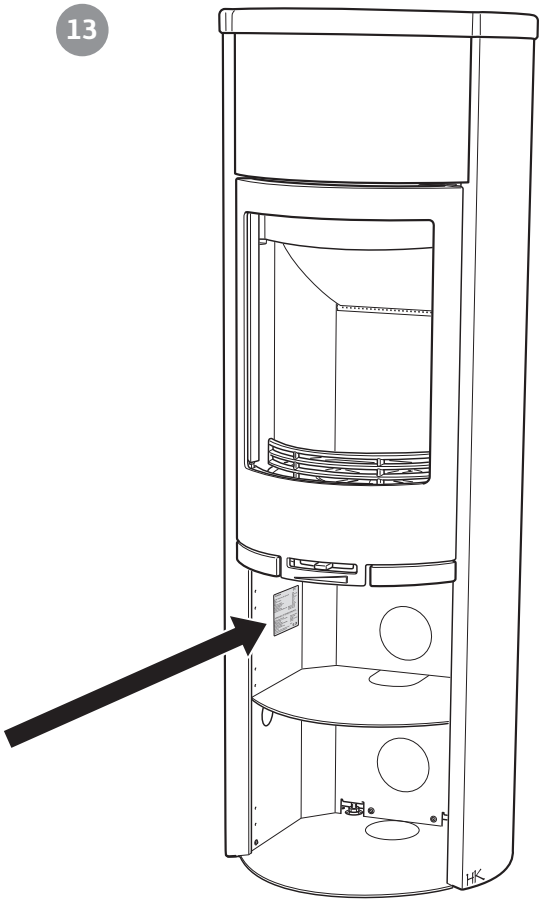
**With heat tank.**
Install hot air grate with damper function.

12



**Without heat tank.**
Install standard hot air grate.

13



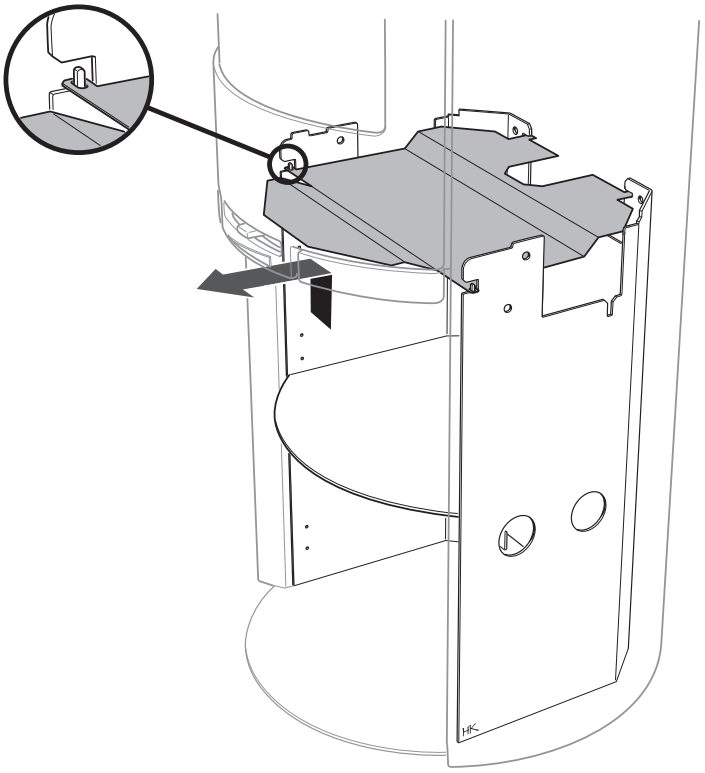
Position the supplied rating plate as illustrated.

## Final inspection of the installation

It is extremely important that the installation is inspected by an authorised chimney sweep before the stove is used. Also read the "Lighting instructions", before lighting for the first time.

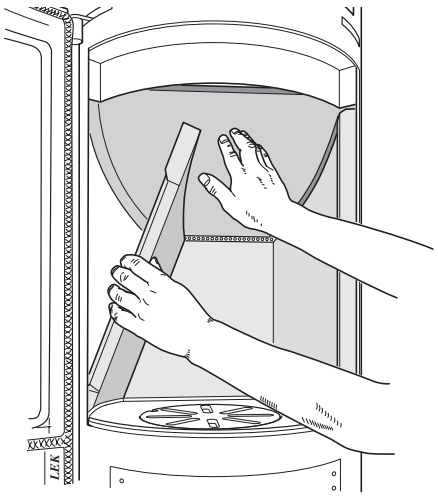
# Removing the loose parts

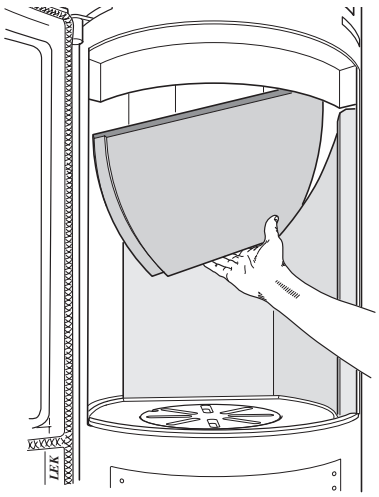
## How to remove the heat deflector



## How to remove the hearth surround (Vermiculite)

Handle the vermiculite with care. Lift the smoke baffle with one hand whilst removing the sides pieces. Reinstall in reverse order





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