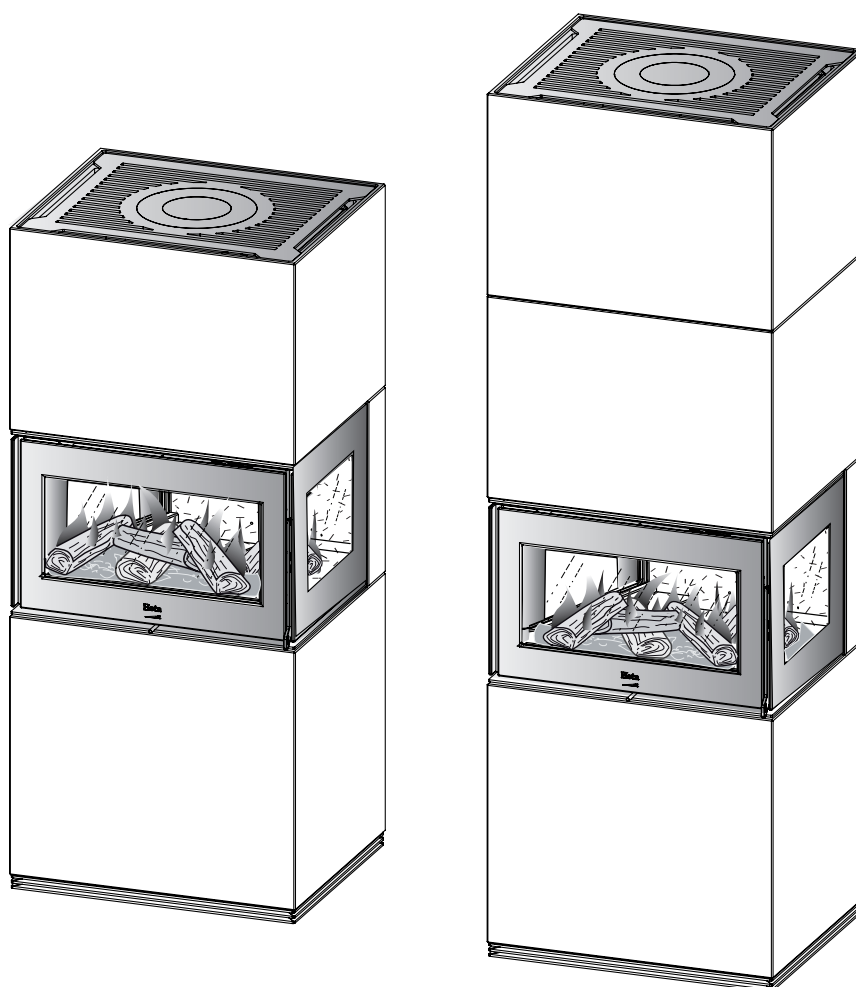


# OPERATING AND INSTALLATION INSTRUCTIONS

## SCAN-LINE SOLID C

THE SCAN-LINE SOLID C IS EXEMPT FOR USE  
IN SMOKE CONTROL AREAS WHEN BURNING DRY WOOD



[www.heta.dk](http://www.heta.dk)

ECODESIGN READY



EN

DANISH DESIGN . DANISH QUALITY . DANISH PRODUCTION



## Declaration of Performance EN

Regulation No. 305/2011  
DOP-Scan-Line Solid C 2237-2017

1. Unique identification code of product-type	Stove
2. Product name	Scan-Line Solid C
3. Intended use or uses of the construction product, in accordance with the applicable technical specification	Room heater burning solid fuel without hot water supply
4. Name and contact address of the manufacturer	Heta A/S, Jupitervej 22, DK-7620 Lemvig. heta@heta.dk
5. Where applicable, name and contact address of authorized representative. E-mail.	Factory Manager Martin Bach, E-mail: martin.bach@heta.dk
6. System of assessment and verification of constancy of performance of the construction product	System 3
7. Notified body relevant to the assessment and verification of constancy of performance	Teknologisk Institut, DK-8000 Aarhus Notified body No. 1235 Rapport nr. 300-ELAB-2237-EN rev. 2

## 8. Declared Performance

Harmonized technical specification	EN 13229:2001/A2:2004
Emission	CO 0,085% / 824 mg/Nm <sup>3</sup> Nox 109 mg/Nm <sup>3</sup> Dust 27 mg/Nm <sup>3</sup> Dust (NS3058/3059) 2,15 g/kg OGC (CEN/TS 15883) 81 mgC/Nm <sup>3</sup> ved 13% O <sub>2</sub>

## 9. Fire safety

Reaction to fire	A1
Test of fire safety in connection with the burning of wood	Approved
Distance to combustible materials Rear	Minimum distances in mm 0
Distance to flammable materials with side windows	550
Distance to flammable materials - in front of the stove	1100

## 10. Safety

Mechanical resistance (to carry a chimney / flue)	Not tested (NPD)
Electrical safety	NA
Surface temperature	Approved
Cleanability	No specification

## 11. Thermal output

Nominal heat output	8 kW
Energy efficiency	$\eta$ 79%
Fluegas temperature at nominal heat output	T 312°C
Water heating output	NA
Maximum water operating pressure	NA

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed on behalf the manufacturer of

16.11.2017

**Heta A/s**  
JUPITERVEJ 22 · DK-7620 LEMVIG  
Tlf. +45 9663 0600 · FAX +45 9663 0616  
Martin Bach

In case of any change of the above-mentioned production type this Declaration of Performance becomes invalid.  
Heta A/S, Jupitervej 22, DK-7620 Lemvig, Tlf. +45 9663 0600, www.heta.dk

Congratulations on your new stove. We are sure that you will be happy with your investment, especially if you follow the advice and instructions we have put together in these operating instructions.

The Scan-Line Solid C have been approved according to the EN 13240, NS 3058/3059 and the Scan-Line Solid C is modified so that they are also recommended as exempt for use within smoke control areas (SCA) throughout the UK (see clean air act Appendix A). of the air supply regulation so that it can't be closed completely.

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### Heta A/S

Jupitervej 22,  
DK-7620 Lemvig  
Phone: +45 9663 0600  
E-mail: heta@heta.dk

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29.11.2019  
0037-1514 Version 2.1

# BEFORE INSTALLATION


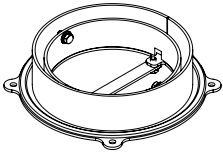

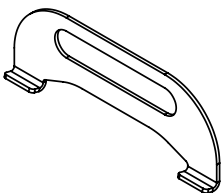



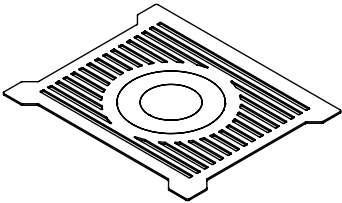
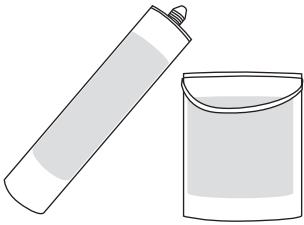
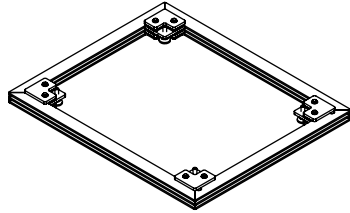
Heta wood stoves are quality products, therefore, your first impression is very important! We have a good logistics network, which transports Heta products with great care for our dealers. Nevertheless, when in transport or handling, damage of the often-heavy stoves can occur. It is important that upon receipt check your Heta product completely and report any damage or defects to your dealer.

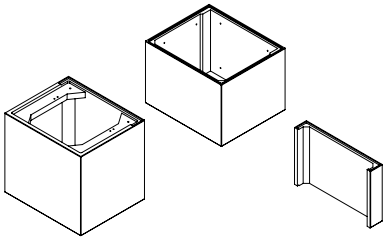
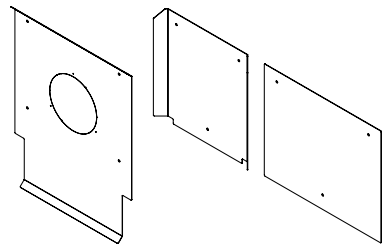
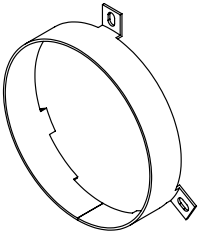


The packaging must be disposed of as follows:

Wood is untreated and able to burn in the stove.

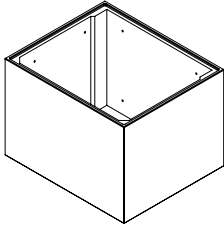
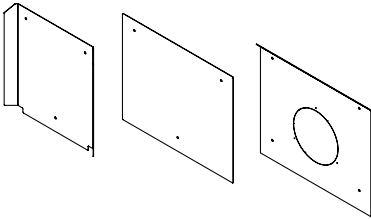


Plastic and cardboard you can drop off at your local recycling center.

With your new wood stove you should find the following:

Operating / Instruction manual		Flue collar 1525-0031	
Heta glove		Handle 2 x 1013-1006	
CHR list Standard V1,30		4 x M6x10 Bolt 0008-1117 13 x M6x8 Bolt 0008-0035 13 x M6x25 Distance brackets 0008-1807	
Data plate		Top panel 1026-0149	
Sealant Repair mortar		Base 4018-0050	

Concrete element 1 x 0023-2507 1 x 0023-2508 1 x 0023-2509	
Heat shield 1 x 1022-0087 2 x 1022-0090 1 x 1022-0091	
External air from behind 1 x 0032-0027	
 <b>NB!</b> <b>Heat shield must be installed.</b> See page 23.	
Adjustment device 2 x 1513-0151 1 right 1 left	

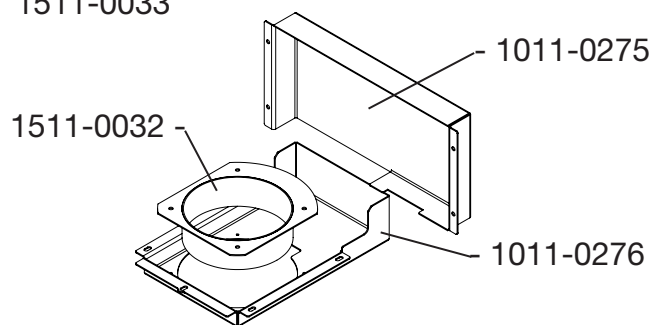
## Solid C High

Top Concrete element 1 x 0023-2509	
Heat shield 2 x 1022-0090 1 x 1022-0091 1 x 1022-0094	
 <b>NB!</b> <b>Heat shield must be installed.</b> See page 24.	
13 x 0008-1807 13 x 0008-0035	

Required tools are not supplied.

# Accessory Parts

External air from below, complete  
1511-0033

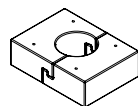


4 x 0008-1720 3,9x14  
5 x 0008-2301 M4x8

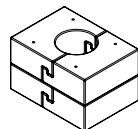


Akkumulation

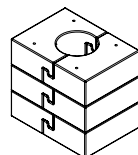
1 x 0023-0237



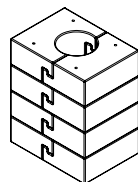
2 x 0023-0237



3 x 0023-0237



4 x 0023-0237  
(Solid C High)



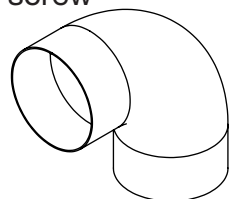
Solid C

External air from behind (1324 mm)

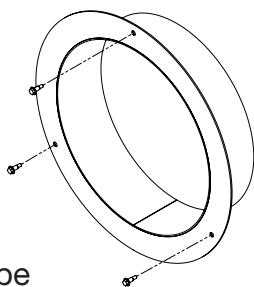
5032-0082

1 x 1522-0009

3 x 0008-1720 3,9x14  
screw



90° Flue pipe  
1 x 0050-0514



Solid High

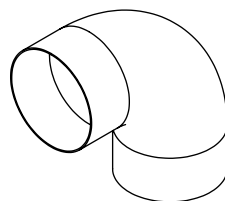
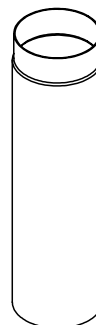
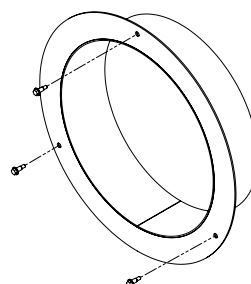
External air from behind (1824 mm)

5032-0092

1 x 1522-0009

3 x 0008-1720 3,9x14 screw

Flue pipe 1 x 1021-4087

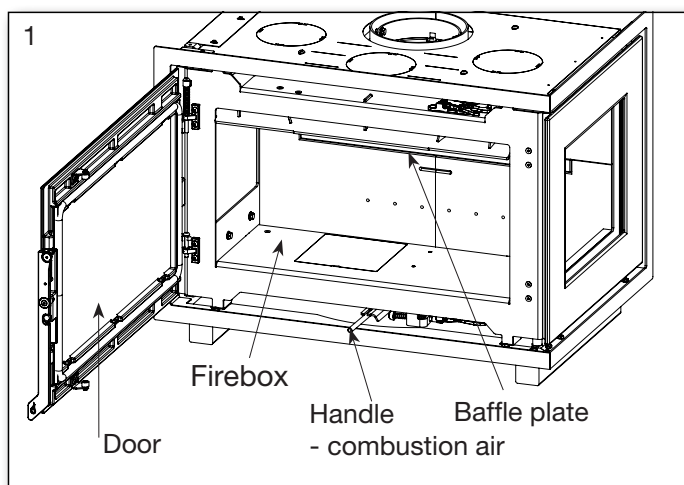


90° Flue pipe  
1 x 0050-0514

# 1. OPERATING INSTRUCTIONS

## 1.1 Before using

Before the wood stove is used make sure required installation conditions, are met. See page 20-21.



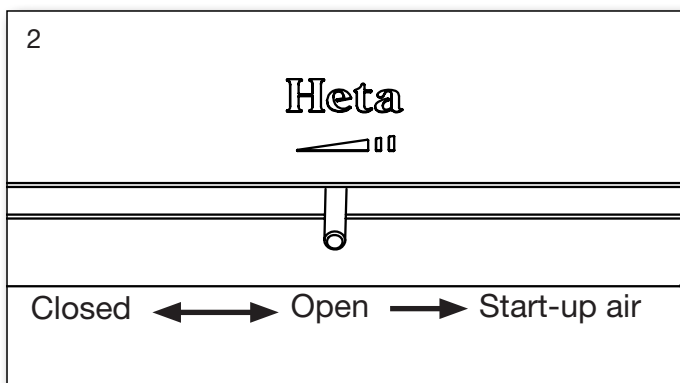
## 1.2 First firing

The stove paint is fully cured from the factory, but a minor unpleasant odour could still arise.

## 1.3 Regulating the air flow

A handle below the door regulates the stoves combustion air.

For start-up air hold the handle to the far right. The handle will go back into its open position when the air controll handle is released. See fig. 2.

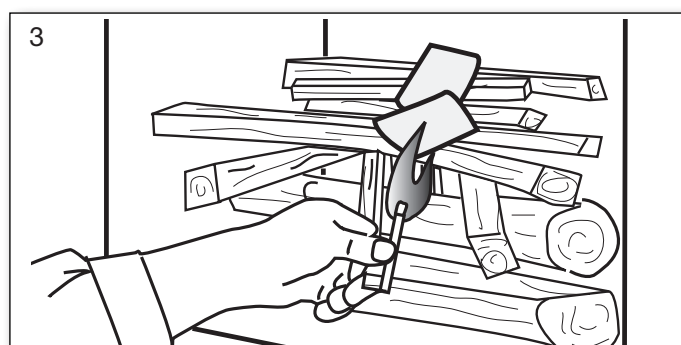


The Scan-Line Solid C stoves are designed and tested to burn extremely cleanly with very little smoke discharge and are exempt for use in smoke control areas throughout the UK when burning dry wood logs. To comply, a permanent stop is fitted to ensure that the air control slider cannot be closed beyond (percentage of air as per test) of its fully open position. A permanent

amount of air will therefore enter the firebox to feed the fire producing negligible amounts of smoke and unburnt hydrocarbons. The appliances will only be considered as an exempt appliance if this stop is in place.

## 1.4 Lighting the stove

Place two pieces of wood on the bottom. Stack kindling on top in layers with air between. Setting fire starter (bag, brick, paraffin) on the top, now you are ready to light the fuel. The flames must work from the top down.

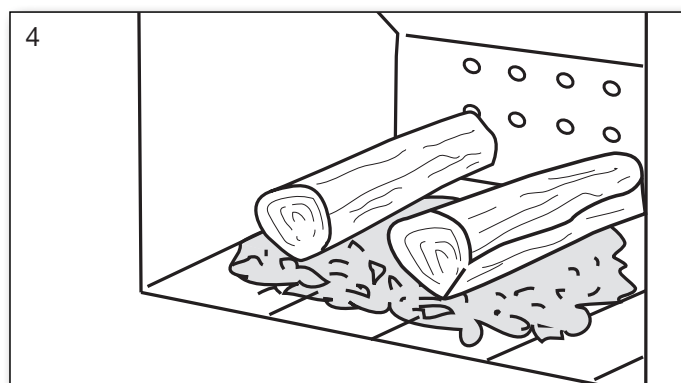


**The use of lighter fluid, oils or any liquid fuels is strictly forbidden from use in a wood stove.**

Fully open the combustion air and leave the door ajar (about 1 cm open).

Once the fire is established and the chimney is hot (after about ten minutes) closed door and regulate the air into operating position. We recommend, all of the first fuel is burned with the combustion air fully open in the operating position. This ensures the stove and chimney are thoroughly heated.

The door must be kept closed during operation.



## Note:

If the fire dies down completely or embers are smoldering, then it will be necessary to place some screwed up paper or firelighters onto the grate with some kindling or small pieces of wood to reestablish the fire once again. Leave the air slider fully open and allow the fire to build before refueling with larger pieces of wood and then adjust the slider for optimum combustion. Do not overload the firebox by loading above the tertiary air diffuser at the back of the firebox and ensure that the wood is retained by the log guard. Always ensure that the wood is not tightly stacked so that air can circulate freely.

**Do not leave the door open:** Operation with the door open can cause excess smoke. The appliance must not be operated with the appliance door left open except as directed in the instructions.

**Do not leave the air sliders completely open:** Operation with the air sliders permanently open can cause excess smoke. The appliance must not be operated with air controls or dampers left open except as directed in the instructions.



Startup/Lighting  
Scan the code and select a language.

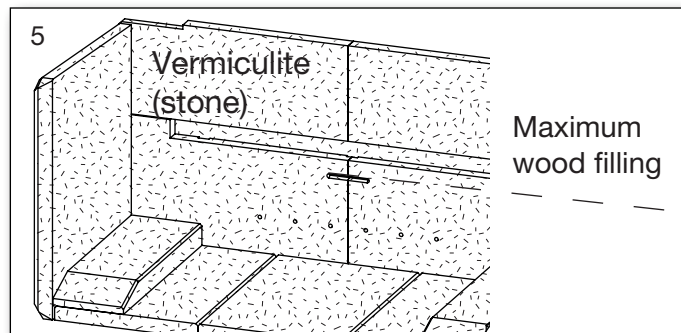
## 1.5 Refueling

Refueling of your stove should be done while there is still a good layer of embers. Distribute the embers with the majority of them to the front. Place pieces of wood equivalent to about 1 kg on top of the embers perpendicular to the door. Now open the combustion air completely. If the stove and/or chimney cools down too much, it may be necessary to use the start-up air and possibly have the door ajar.

The wood will then ignite within a very short time (Typically 1 to 3 minutes). Once the fuel is ignited. Close the door and regulate the air back to operating air. When the fire is well established, you can now regulate the operating air to the desired combustion level.

Nominal heat out-put is 8 KW, equivalent to the operating air at about 40% open, requiring re fueling after approximately 50 min.

Ensure when refueling that the wood is not too close, it will cause poorer combustion, less heat out-put and lower efficiency.



The fuel load, must be maintained below the top series of air holes and within the outer vent in each side. Fig. 5



When refueling be careful to place the fuel into the combustion chamber gently, (use the provided glove). By not doing so you risk cracking or breaking the vermiculite.

If there is reduced draft in the chimney, we recommend opening a window at stoking. This will give better ventilation to the room and more oxygen for combustion.

## 1.6 Reduced burning

The stove is, designed for intermittent use.

It is important to maintain the layer of hot embers. Lower heat out-put occurs when no flames come from the tree, when it becomes glowing charcoal.

If you are looking for less heat out-put, achieve this by fueling with smaller volumes of wood and a lower operating air. You may not completely close the operating air during firing.

Be aware that the stove will naturally soot if the operating air is too low. This is not good for the environment. There is also a risk for the glass, the chimney and other parts will become sooted.

By a combination of the above and possibly burning damp wood. Can lead to high levels of soot that it becomes sticky. Causing the sealing of the door to tear off when opening the door the next day.

## 1.7 Explosion!!!



**It is very important never to leave The stove after start up or refueling, before the fire is established. (Typically 1 to 3 minutes)**

Explosion can occur if filled with too much fuel in the stove, the production of large volumes of gas, which can explode if the air supply becomes too low.

## 1.8 Emptying the ash

Be careful not to damage the vermiculite when removing the ash.



**Be careful when emptying the ashes out. There can be hot embers left for a long time.**

It is an advantage for the next firing to leave a layer of ash lying in the bottom of the firebox.

### Warning!



**One must always use caution around the stove seen, as it gets very warm during use. (In excess of 90° C).**

**Children should avoid contact with the stove.**

Setting up a fence if you have small children may be necessary.

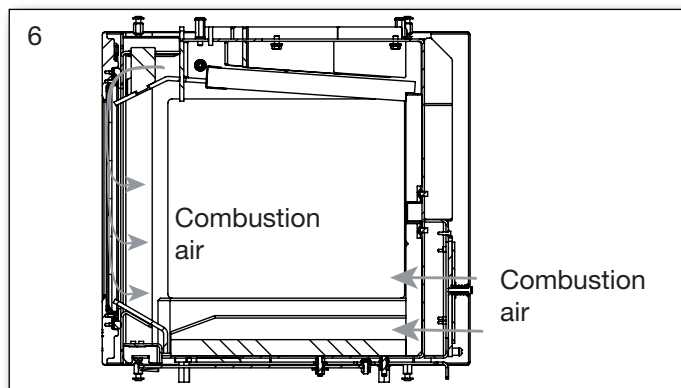
Do not place flammable objects like drying racks, furniture, curtains too close to the stove.

## 1.9 Draft conditions and the chimney

Poor draft will not allow the stove to burn, as it should. The glass can soot, requires cleaning of the chimney more often, smoke can escape out when the door is open and it gives poor fuel efficiency. Leading to unnecessary polluting of the environment.

Good draft will allow the stove to achieve optimal combustion and the highest possible efficiency. Heta wood stoves are constructed so that it itself provides an optimal blend of combustion air. This provides a high efficiency/heat, clean glass and low environmental impact.

Minimum chimney draft for Prestige insert is 10 PA. It is the draft that the stove has been tested and approved on. The minimum draft is necessary to provide clean burning, beautiful flame picture, as well as achieving the rated efficiency.



There is a risk of smoke escaping into the room if the door is opened during vigorous firing, or if there is a lack of air supply to the room, for ex. if an extraction fan is in use.

Flue gas temperature at the rated output is 312°C relative to 20°C. Flue gas flow is 6,3 g / sec.

The chimney height and diameter, as well as the temperature difference between the flue gas and outside temperature generates the chimney draft. Chimney insulation is therefore important as new efficient stoves create lower flue temperatures. Wind and weather conditions also influence draft, in some cases it may be disadvantageous wind direction, combined with the position of the chimney can cause negative draft (it blows through the chimney), causing smoke escape from the stove.

Before using after a long period of inactivity, check that the chimney is free for any blockages. (soot build-up, bird nests, leaves etc.).

### Reduced draft can occur when:

- The temperature difference is too small between smoke gasses and outdoor
- Too short of a chimney
- The outside temperature is high, and indoor temperature is low f. ex. in summer
- False air in the chimney
- Chimney is blocked
- Air tight house (lack of combustion air supply)
- Poorly placed chimney for the surroundings, for ex. the ridge and trees may cause turbulence.

### Good draft occurs when:

- The difference in temperature in the chimney (warmer) and outside temperature (colder)
- It is clear weather
- The chimney has the right height min 4 meters above the stove, and clear of the roof ridge

## 1.10 Fuel

Your new stove is EN approved for firing with wood fuel. You must therefore only burn clean, dry wood in your stove. Never use your stove to burn driftwood, as this may contain a lot of salt which can damage both the stove and the chimney. Similarly, you must not fire your stove with refuse, painted wood, pressure-impregnated wood or chipboard, as these materials can emit poisonous fumes and smoke.

Correct firing using well seasoned wood provides optimal heat output and maximum efficiency. At the same time, correct firing prevents environmental damage in the form of smoke emissions and reduces the risk of chimney fires. If the wood is damp and inadequately seasoned, a large proportion of the energy in the fuel will be used to vaporize the water, and this will all disappear up the chimney. Thus, it is important to use dry, well seasoned wood, i.e. wood with a moisture content of less than 20 %. Achieve this by storing the wood for 1–2 years before use.

Pieces of firewood with a diameter of more than 10 cm should be split before storing. The pieces of firewood should be of an appropriate length (approx. 19-25 cm) so that they can lie flat on the bed of embers.

If you store your wood outdoors, it is best to cover it.

## Examples of fuel values

for different woods and their typical densities per cubic meter, specified for 100% wood with a moisture content of 18%.

Wood	kg/m <sup>3</sup>	Wood	kg/m <sup>3</sup>
Beech	710	Willow	560
Oak	700	Alder	540
Ash	700	Scotch pine	520
Elm	690	Larch	520
Maple	660	Lime	510
Birch	620	Spruce	450
Mountain pine	600	Poplar	450

**It is advised not to use oil-containing woods like teak tree and mahogany, as this can cause damage to the glass.**

## Heating value in wood

You have to use about 2.4 kg normal wood to replace one litre of heating oil. All woods have

almost the same heating value per kg, which is about 5.27 kW/hour for absolute dry wood.

Wood with a moistness of 18% has a efficiency of about 4.18 kW / hour per kg, and one litre heating oil contains about 10 kW / hour.

## CO<sub>2</sub> release

At combustion 1000 litres of heating oil forms 3.171 tons CO<sub>2</sub>. As wood is a CO<sub>2</sub> neutral heat/energy source, you save the environment about 1.3 kg CO<sub>2</sub> every time you have used 1 kg normal wood.

## 1.11 Operational problems

The chimney must be swept at least once a year, we recommend the use of a NACS (national association of chimney sweeps) registered chimney sweep.

In the event of smoke or malodorous fumes are being produced, you must first check to see whether the chimney is blocked.

The chimney must, of course, always provide the minimum draft necessary to ensure that it is possible to regulate the fire. Please note, however, that chimney draft is dependent on the weather conditions. In high winds, the draft can become so powerful that it may be necessary to fit a damper in the flue gas pipe to regulate the draft.

When cleaning the chimney, soot and other deposits may come to fall on the baffle plate, remove and clean it. In cases where the wood burns too quickly, this may be due to excessive chimney draft. You should also check to make sure that the door seal and ash pan seal is intact and correctly fitting.

If the stove is generating too little heat, this may be because you are firing with wet wood. In this case, much of the heating energy is used to dry the wood, resulting in poor efficiency, potentially damaging the vermiculite and an increased risk of soot deposits in the chimney.

## 1.12 Chimney fire

In case of a chimney fire, which often results from incorrect operation/maintenance or prolonged use of damp wood, close the door and the air supply completely, to help slow/smother the fire. Call the fire department.

The stove and chimney must be inspected before use again.

## 1.13 Troubleshooting table - applies to all stove types

Fault	Cause	Troubleshooting	Solution
Lighting problems. When the stove is cold, smoke seeps into the room. Once the combustion chamber has heated up, the stove burns well.	Inadequate chimney draft. The chimney only has sufficient draft when it is hot.	You can test using a lighter whether flame is drawn into the combustion chamber.	Improve the chimney.
The stove burns poorly after the warm-up phase, and the glass slowly soots up.	Soot in the flue pipe.	Check the flue pipe regularly, as the problem arises slowly.	Clean regularly, and limit the use of horizontal flue pipes. Do not use firewood which generates large quantities of ash.
If the stove burns poorly after start-up, and the glass slowly soots up.	Inadequate chimney draft.	The fault usually already occurs during lighting. Measure the chimney draft.	Improve the chimney draft.
	Insufficient air supply.	Check the air supply.	Read the operating instructions and instruct all users.
	Damp wood.	Use clean, dry wood with a maximum moisture content of 20%.	Firewood should ideally be dried for at least one year after splitting.
	Firewood pieces too large.	Optimal size – see the section for firewood, max. diameter 10 cm.	Use smaller pieces of firewood.
	Insufficient air supply to the room. Range hoods, airtight windows, etc.	Ensure there is sufficient fresh air supply, open a window, check the outdoor air supply.	Depending on the cause, windows must be opened or the outdoor air connection cleaned.
	Insufficient air supply to the room. Range hoods, airtight windows, etc	Ensure there is sufficient fresh air supply, open a window, check the outdoor air supply.	Depending on the cause, windows must be opened or the outdoor air connection cleaned.
The vermiculite in the combustion chamber is becoming very worn.	Wood and flue gases wear down the vermiculite.	Investigate whether the wear is normal.	Normal wear and minor cracks are of no significance. It should be replaced when the steel of the combustion chamber is visible.
Too rapid combustion.	Too much chimney draft.	To test, you can open the cleaning hatch, but remember to close it again.	Measure the chimney draft and install a damper in the flue pipe if necessary.
	The door or ash pan/drawer seal is defective.	While cold, close a piece of paper in the door – the seal should hold the paper gently in place so it does not fall out by itself. Normal wear.	Replace the seal.
The vermiculite in the combustion chamber is cracked.	Shocks or impacts while adding firewood.	Normal wear	Cracks only have cosmetic significance. Replace when the steel of the combustion chamber is visible.
Steel surfaces in the combustion chamber have oxidised.	The temperature in the combustion chamber is too high.	Unsuitable fuel is being used (such as coal). Check the quantity of firewood being used, read the operating instructions.	If there are clear cracks or weaknesses in the stove body, it must be replaced.
The stove whistles	Too much chimney draft	To test, you can open the cleaning hatch, but remember to close it again.	Install a damper.
The stove 'clunks'	Usually due to tension in the metal plates.	Generally only occurs while heating up and cooling down.	Adjust the metal plates.
The stove ticks	Normal expansion and contraction due to temperature changes.	A normal sound.	Ensure that the temperature in the combustion chamber is as constant as possible.
The stove creaks.	The temperature in the combustion chamber is too high.	Use less firewood. Also check the seal in the ash pan/drawer.	See the operating instructions.
The stove smells. The surface is steaming.	The paint on the stove surface is not yet fully hardened.	See the operating instructions regarding the first firing.	Ensure there is sufficient ventilation.
Condensation in the combustion chamber.	Moisture in the vermiculite.	Check the condition of the vermiculite.	Evaporates by itself after the stove has been lit a few times.
	Damp wood.	Measure the moisture content.	Use dry firewood.
Condensation from the flue pipe.	The pipe is too long or the chimney is too cold.	Check the flue pipe's length and heat loss.	Improve the flue pipe, insulate the chimney.
	Damp wood	Measure the moisture content.	Use dry firewood.

## 1.14 Maintenance

The surface of the stove is treated with a heat-resistant paint. The stove should be cleaned with a damp cloth.

Any damage to the surface in the form of chips or scratches can be repaired using touch-up paint, which is available in spray cans.

## 1.15 Cleaning the glass

Incorrect firing, for example using wet wood, can result in the viewing window becoming covered in soot. This soot can be easily and effectively removed by using proprietary stove glass cleaner.

## 1.16 Diagram for the maintenance

	Stove Owner					Qualified Technicia	
<b>Maintenance / Period</b>	Before Autum	Daily	2-3 days	30 days	60-90 days	1st Year	2st Year
Cleaning the chimney (see. Chimney)	C						
Cleaning the chimney and stove	C				C		
Cleaning the stoves firebox	C	VI			C		
Cleaning combustion air intake	C				C		
Cleaning of the firebox	C	VI		C			
Checking / switch, gasket for door	C/S	VI					C/S
Checking / changing, gasket for glass	C/S	VI					C/S
Checking / changing gasket for flue pipe	C/S	VI					C/S
Checking / changing vermiculite	C/S	VI					C/S
Lubricate hinges	L	VI			L		
Lubricate lock	L	VI			L		

For the lubricant used a heat-resistant product. (300°C)

C = Cleaning

C/S = Checking /Switch

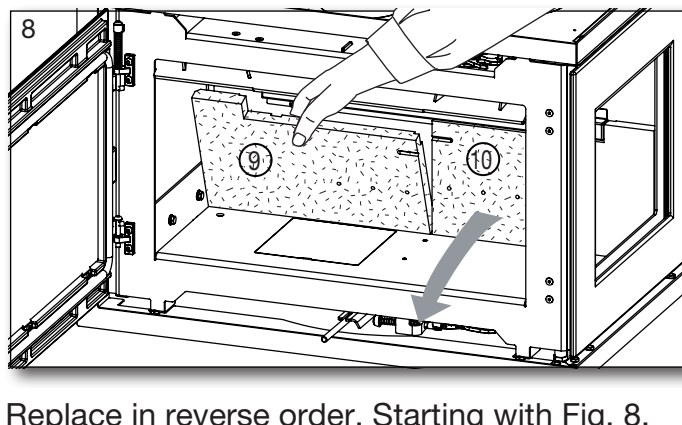
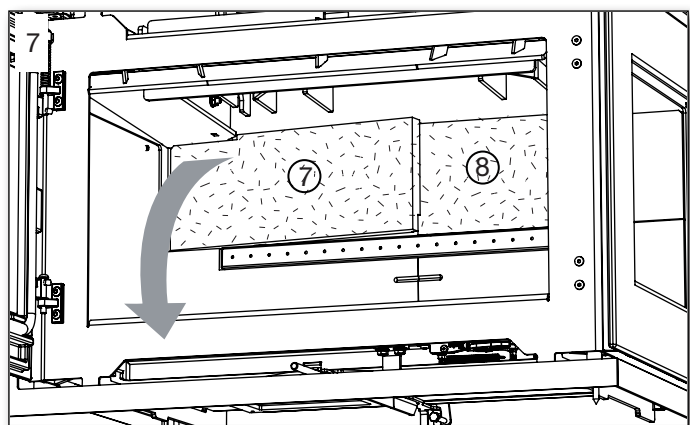
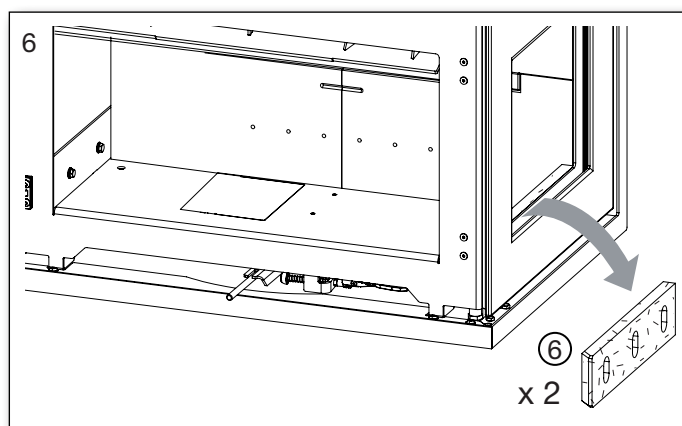
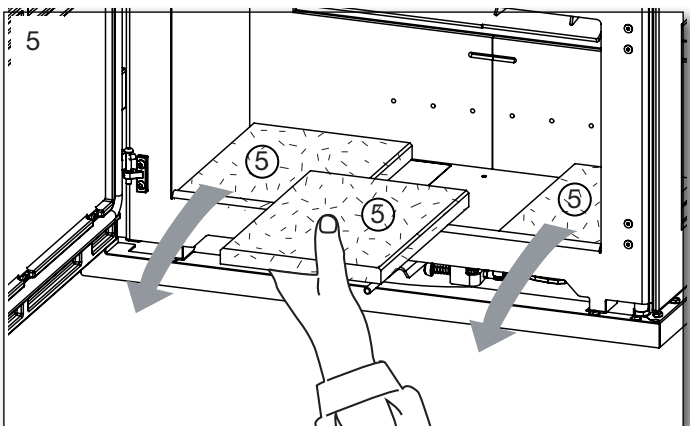
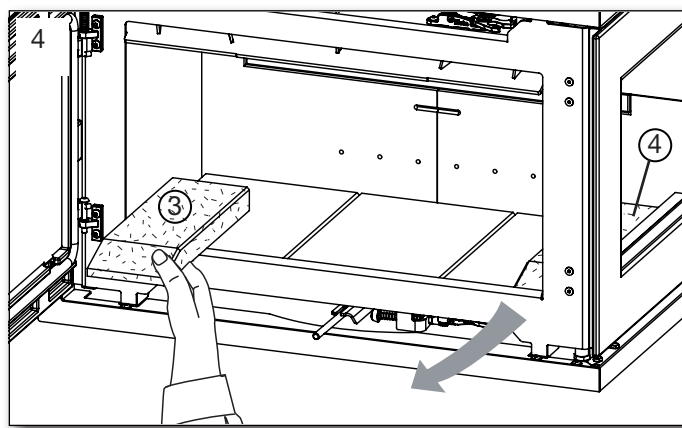
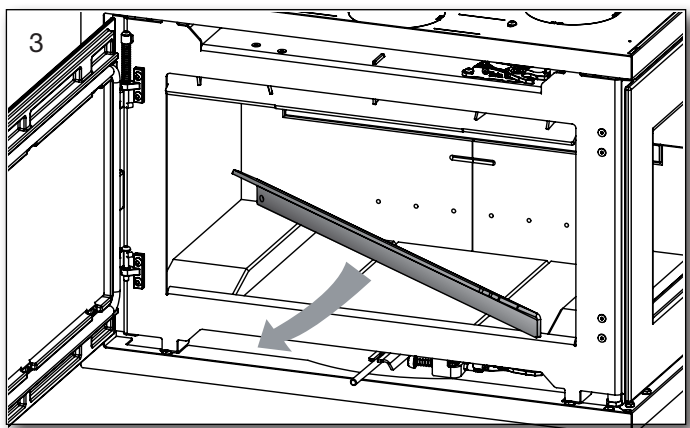
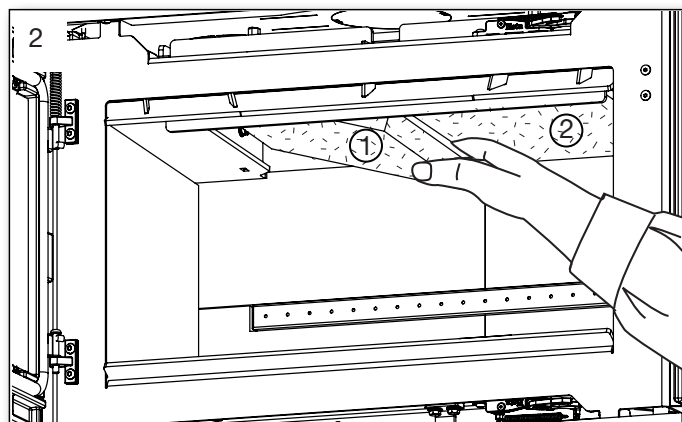
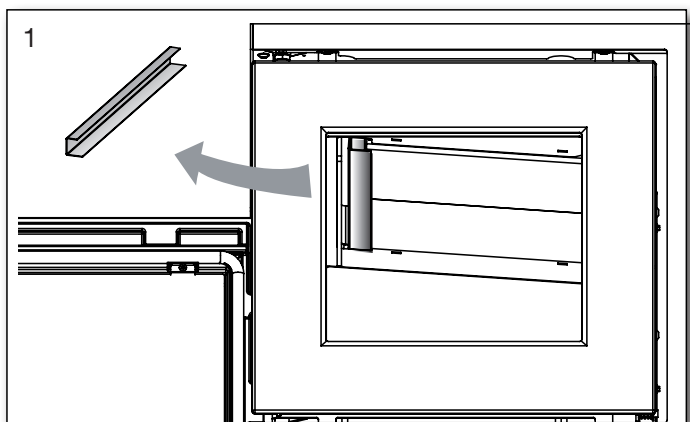
L = Lubricate

VI = Visual Inspection, pos. cleaning/replacing/adjusting

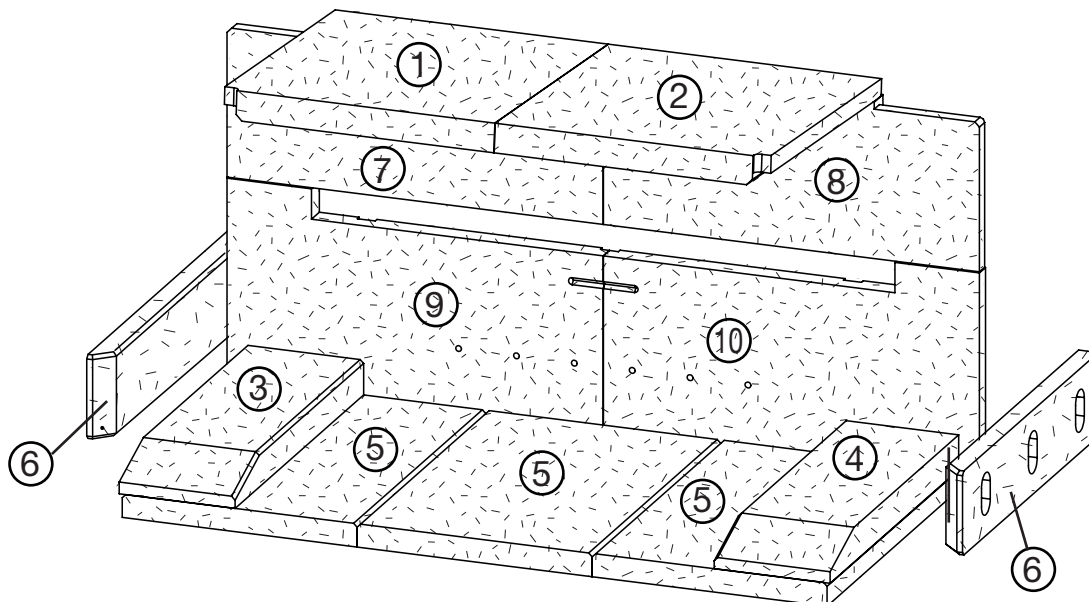
## 1.17 Cleaning after sweeping or before replacing vermiculite stones

Note: it may be necessary to clean/vaccum the holes and air ducts behind the rear stone

### Removal sequence of stones.



Replace in reverse order. Starting with Fig. 8.



## 1.18 Stove data table in accordance with en 13240 testing

Stove type Insert	Nominal fluegas temperature, at 20°C room tem- perature C°	Flue mm	Fuel volume kg	Draft min. mbar	Nominal output tested kW	Actual effi- ciency %	Distance to flammable materials at the sides mm	Distance to furnitures from the stove mm	Stove weight kg
Solid C	312	ø150	2,1	0,1	8	79	550	1100	325
Solid C high	312	ø150	2,1	0,1	8	79	550	1100	400

Flue temperatur 375°C.

The nominal output is the output to which the stove has been tested.

The test was carried out with the combustion air 40%.

Supplement for accumulation

2 x 0023-0237	+ 46 kg
4 x 0023-0237	+ 92 kg
6 x 0023-0237	+ 138 kg
8 x 0023-0237	+ 184 kg

## 1.19 Guarantee

Heta wood stoves, subjected to a strict quality control during production and before delivery to the dealer.

Therefore, the stoves guarantee is  
**FOR FIVE YEARS**  
 Against defects in manufacturing

Should you have cause to make a complaint, please quote our invoice no.

### Warning



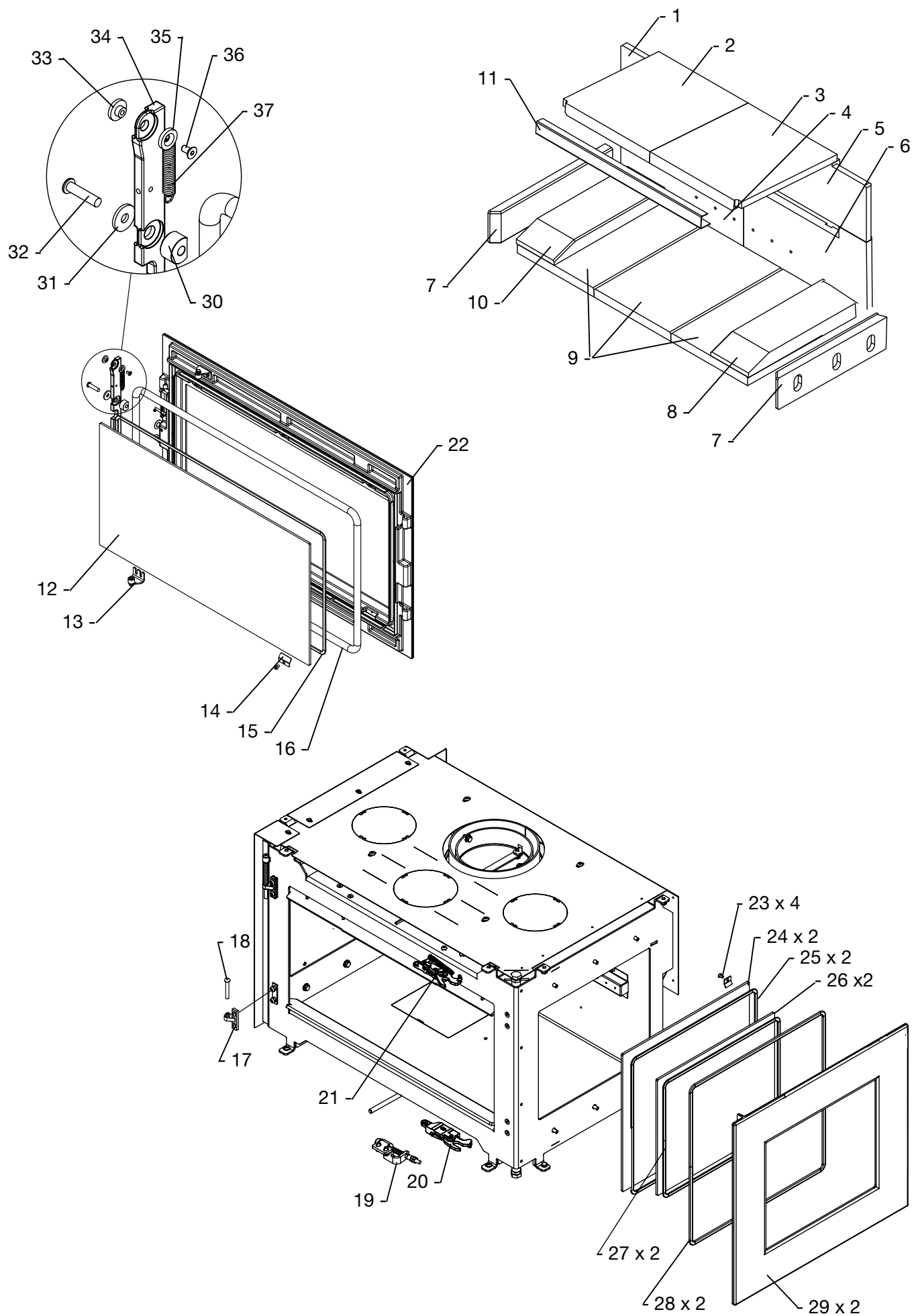
Any unauthorized alterations to the stove and the use of non-original parts will void the warranty.

The guarantee does not cover:

Wearing parts / fragile parts such as:

- Vermiculite stones in the combustion chamber, glass, seals and the casted bottom or shaking grate.
- Damage caused by improper use.
- Transportation costs for warranty repair.
- Assembly / disassembly of warranty repair.

## 1.20 Reservedele



Pos. No.	Name	Qty.	Pos. No.	Name	Qty.	
1	0023-0213	Top Back stone, left	1	21 1513-0123*	Closing System	1
2	0023-0215	Left baffle	1	22 1505-0084**	Left-hinged door	1
3	0023-0214	Right baffle	1	23 5013-0011	Rep. set glass clips sidelight	4
4	0023-0212	Lower back stone, left	1	24 0021-0066	Side Glass, large	2
5	0023-0211	Top back stone, right	1	25 0023-3010	Seal 6 mm with adhesive	1,5 m
6	0023-0210	Lower back stone, right	1	26 0021-0065	Side Glass, small	2
7	0023-0218	Side stone, small	2	27 0023-3010	Seal 6 mm with adhesive	1,4 m
8	0023-0220	Loose stones to bottom right	1	28 0023-3013	Seal with adhesive 3x8 mm	1,6 m
9	0023-0222	Bottom Stone	3	29 1505-0087	Side Door	2
10	0023-0211	Loose stones to bottom, left	1	30 0016-0134	Side Door	1
11	1027-0471	Guard for baffle plate	1	31 0016-0105	Washer Ø18x2	1
12	0021-0064	Front Frame	1	32 0008-0914	M6x25	1
13	1513-0125	Assembled bracket for door	2	33 0016-0137	Brass bushing 2 Ø14	1
14	5013-0010	Rep. set glass clips front door	1	34 0030-2610	Handle	1
15	0023-3010	Seal 6 mm with adhesive	2,0 m	35 0016-0136	Brass bushing 1 Ø14	1
16	0023-3024	Seal 6 mm with adhesive	1,9 m	36 0008-2008	M4x8	1
17	0030-2609	Hinge	2	37 0008-9111	Tension spring to handle	1
18	0008-9082	Cylinder pin 6x35	2			
19	4013-0004	Start-up air return spring	1	* 1513-0123:		
20	1513-0124*	Closure mirrored	1		Left-hinged - location on top of the oven	
					Right-hinged door - placing the oven	
					1513-0124:	
					Left-hinged - placing the oven	
					Right-hinged door - location on top of oven	
				** 1505-0085	Right-hinged	

The frame is made of fibreglass-reinforced concrete elements, making it highly resistant to thermal stress.

The concrete elements are cast, which means there may therefore be variations in surface and structure.

If the concrete elements are damaged, use the repair mortar provided.

The frame surfaces can be painted without priming. Use a vapour-permeable acrylic or latex paint, possibly a cement based structure paint.

## Installation Instructions

### Contents

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### Remember

The stove and chimney installation, must comply with local regulations, including those referring to national and European standards.

## 2. Installation instructions

The stove installation must be in accordance with national, European and possibly local regulations. You must follow local regulations with regard to installation of chimney and connection to the chimney. We recommend that you let a professional Heta dealer install the stove. Alternatively, you can ask the local chimney sweep before installation. Be aware that it is always the owner himself who has responsibility for ensuring that applicable rules are complied with.

A modern stove places heavy demands on the chimney due to the high efficiency. It may be necessary to enhance or even replace an old chimney.

### Remember

1. Always ensure free access to any cleaning doors in a chimney.
2. Always ensure ample fresh air to the room.
3. Exhaust/extraction fans in the house can reduce or create negative draft in the chimney. Reduced draft can lead to the stove having adverse combustion properties. It may result in smoke coming out of the stove when the door is open. A negative draft due to an exhaust/extraction fan can cause the chimney to work in reverse, drawing smoke into the house because of the fan.
4. Any air vents must not be covered.

### 2.1 Distance Provisions

There is a difference between installation next to flammable wall or non-flammable wall. If the wall is made of non-flammable material, the stove in principle may be placed flush against it.

Inserts are generally only intended for installing in existing open fireplaces or in a wall built of non-combustible material. There must be adequate space between the wall and the convection case. This is to avoid damage to the masonry/wall when the stove expands when in use.

Minimum distances to combustible material found on the table on page 18-19, the data plate, as well as drawings. Pay special attention to the distance to flammable floor (330 mm), which is also applicable, although there is a steel/glass plate on the floor. If the floor is made of, for ex. concrete, tile or similar, there may not be combustible materials for at least a depth of 330

mm, valid from the bottom edge of the door on the insert.

Distances for installation see page 18.

### 2.2 Floor

You must ensure that the floor can support the weight of the stove and a top-mounted steel chimney.

In front of the fireplace insert, the substrate must consist of non-combustible material, for ex. Steel/glass plate, stone or tile floor. The size of the non-combustible surface must follow the applicable national and local regulations. Protecting your floor from embers that may fall out of the oven.

Distances see data table page 18-19.

Distance from flammable floor: 330 mm.

Pay special attention to the distance from flammable floor, which is also valid even if there are a steel, glass, stone or tile over flammable materials. It is the floor itself, which must be non-flammable. (Concrete, tile or similar).

### 2.3 The chimney connection

The chimney opening must follow national and local regulations. However, the area of the opening should never be less than 175 cm<sup>2</sup>, which corresponds to a diameter of 150 mm.

If a damper is fitted in the flue gas pipe, there must always be at least 20 cm<sup>2</sup> of free passage, even when the damper is in its "closed" position.

If local regulations permit, two contained stoves can be connected to the same chimney. However, you must abide by local regulations regarding the distance between the two connections.

**The stove must never be connected to a chimney that is linked to a gas fire stove.**

An efficient stove makes high demand on chimney properties – so always have your local chimney sweep evaluate your chimney.



## Connection to a brick chimney

Brick a thimble into the chimney and seat the flue gas pipe in this.

The thimble and flue gas pipe must not penetrate the chimney opening itself, but must be flush with the inside of the chimney duct. Joins between brickwork, the thimble and flue gas pipe must be sealed with fireproof material and / or beading. Heta A/S stresses that it is of utmost importance that this is done correctly with very tight joints. As mentioned earlier, we recommend that setup and installation be left to a professional Heta dealer.

## Connection to a steel chimney

When fitting a connection from a top outlet stove directly to a steel chimney, we recommend fitting the chimney tube inside the flue gas spigot so that any soot and condensation drops into the stove itself rather than collecting on the exterior surface of the stove.

For connections to chimneys that are run through ceilings, all national and local regulations regarding distance to flammable material must be followed. It is important that the chimney is fitted with roof support so that the top panel of the stove is not required to bear the entire weight of the chimney (excessive weight may damage the stove).

## 2.4 Combustion air

The stove is approved as a room air dependent stove in accordance with EN 13240.

All the combustion air in the inset stove comes from the room in which it is fitted. However, by connecting a sealed air inlet to the stove's air intake connector, the stove can be supplied with external combustion air. In this respect, the following requirements must be met:

- Only approved materials may be used from the ventilation unit to the air inlet vent.
- The air inlet vent must be fitted correctly and insulated to prevent formation of condensate. The cross section of the vent and grille must be at least 78 cm<sup>2</sup>.
- If the vent leads out into the open air, please note that the grille must be fitted with suitable wind protection. There must be no risk that the grille can get clogged by leaves, etc.

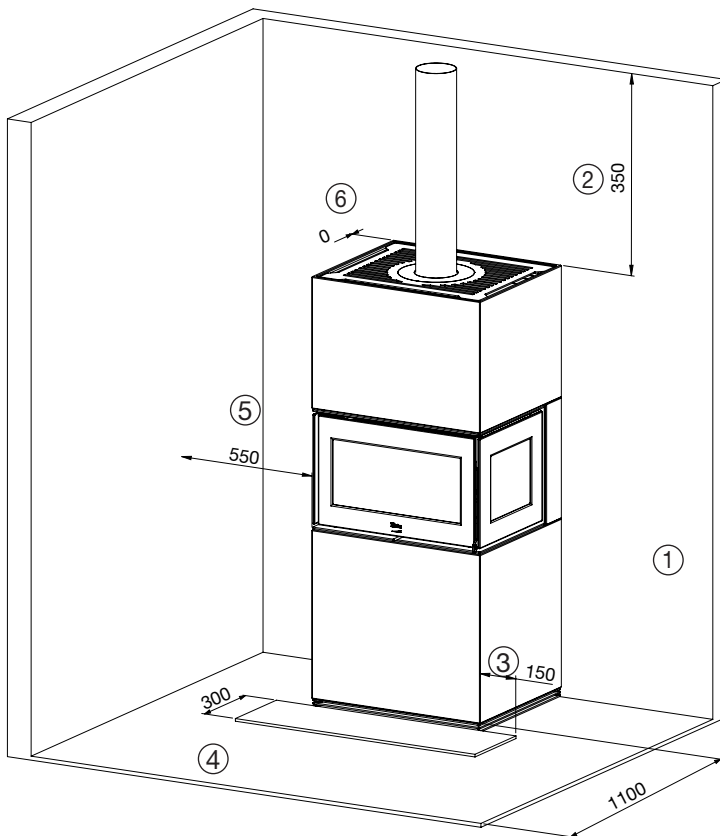
## Ventilation

Adequate ventilation must be provided in accordance with building regulations (Doc J Oct 2010) especially when installing in newer build properties when the stove is not going to be installed to an outside air supply.

Houses built after 2008 where the air leakage rate is less than 5 m<sup>3</sup> / hour / m<sup>2</sup> then a ventilator equivalent to 550 mm<sup>2</sup> per kW output will be required (4.5 kW x 550 mm = 2475 mm<sup>2</sup>) unless the stove is connected to an outside fresh air supply.

## 2.5 Clearances for installation EN 13 240

The Building materials that are used in safety test and shown in illustrations on this page, has a thermal conductivity of max. ( $= <0.36 \text{ W (m} \cdot \text{K)}$ )



### Solid C and Solid C high

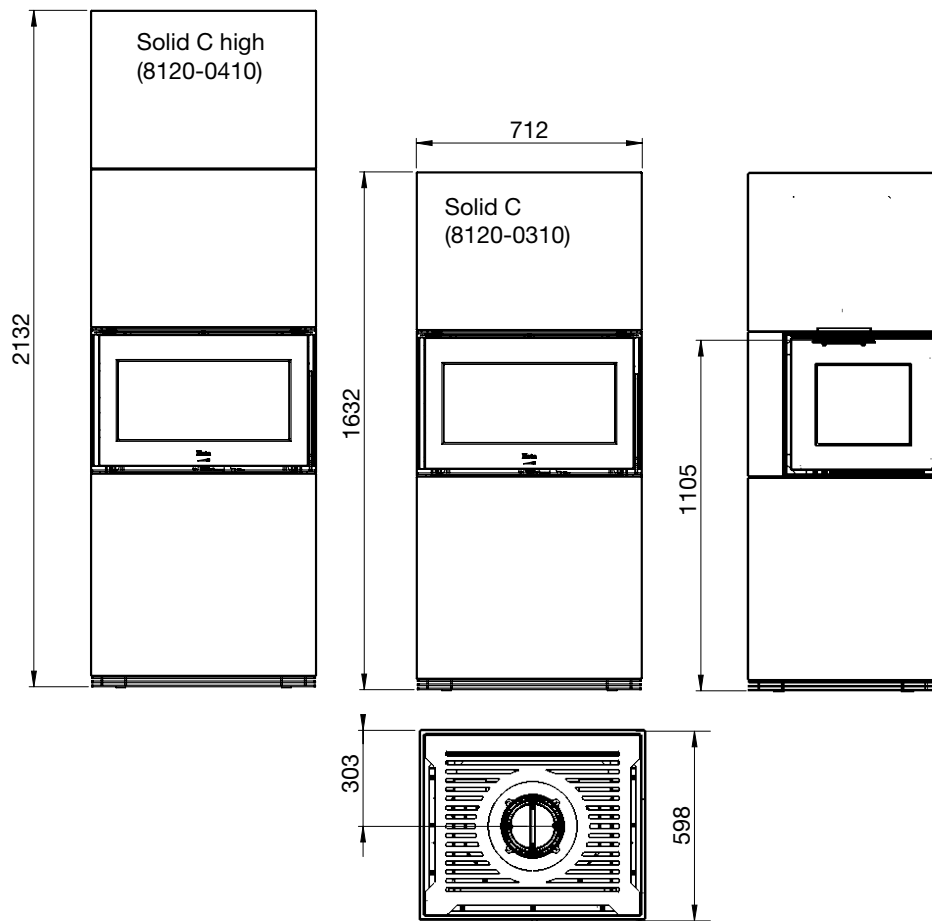
1. Furniture safety distance, front:  
Min. 1100 mm
2. At least 350 mm from top edge of concrete to flammable material
3. Floor board: Min. 150 mm to combustible flooring to the side of the stove door
4. Floor board: Min. 300 mm to combustible flooring in front of stove
5. Distance to furniture from side windows:  
Min. 550 mm.
6. Distance to the back wall with flue outlet at top: 0 mm



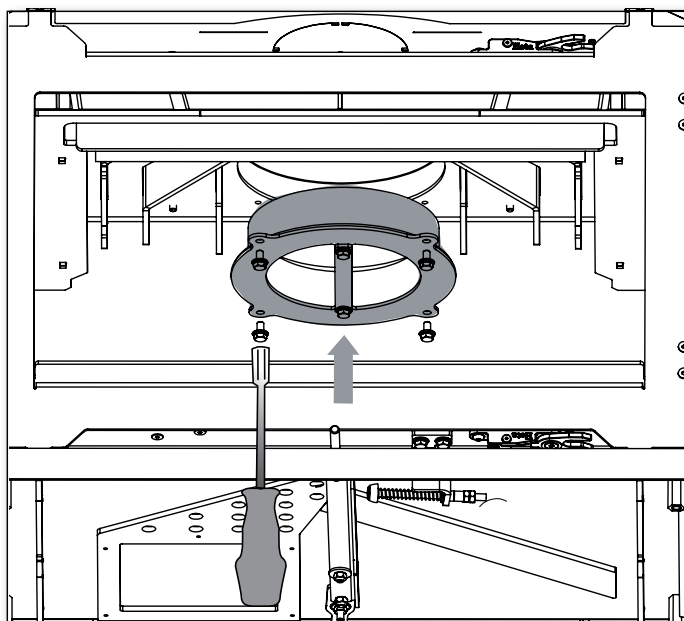
**NB!**

**The stove must not be positioned against a flammable wall with a rear flue outlet.**

## 2.6 Stovedrawings/measurments

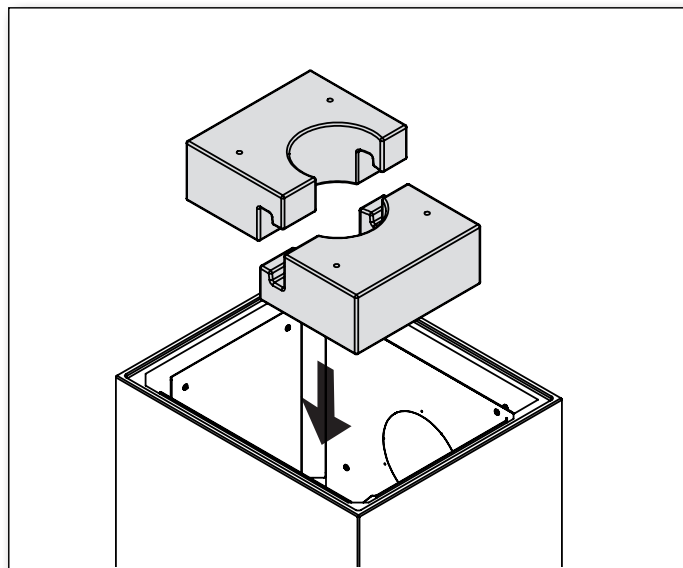


## 2.7 Fitting the flue collar

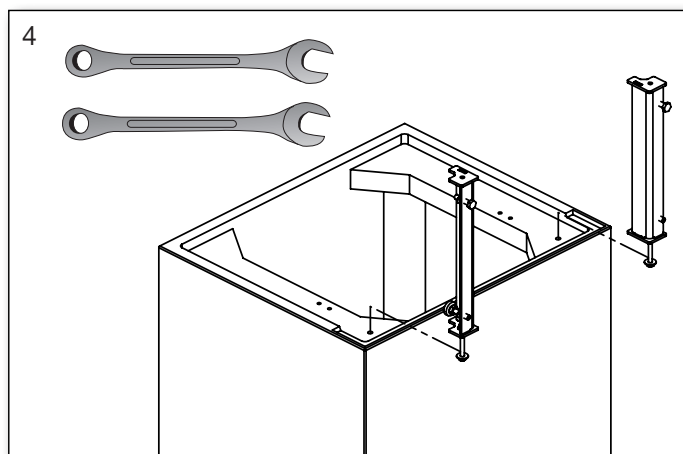
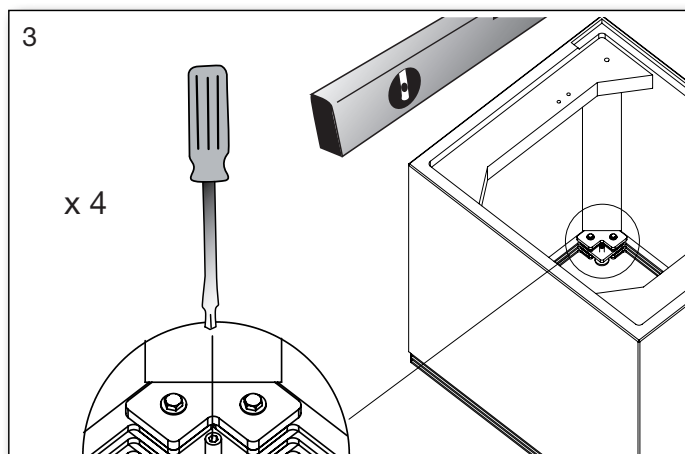
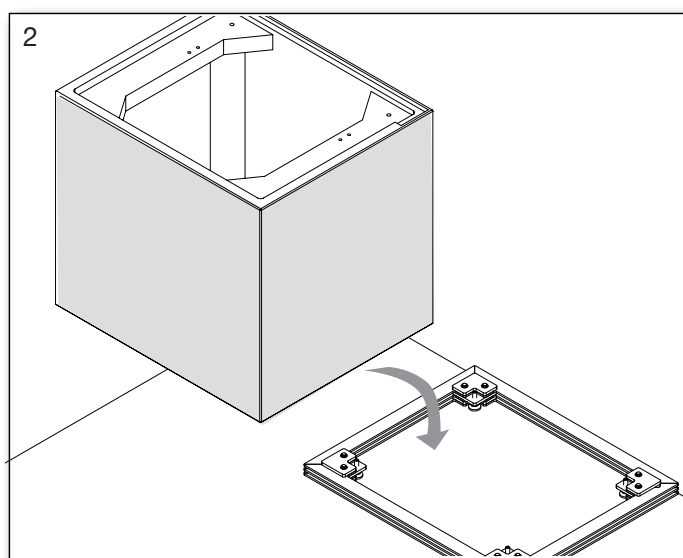
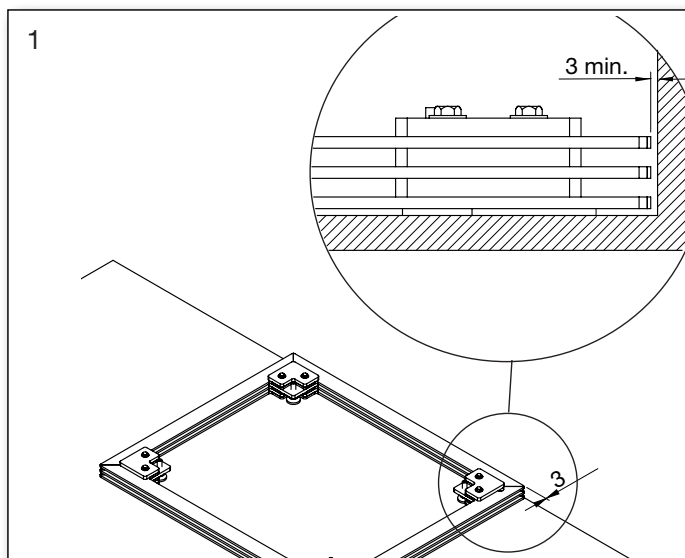


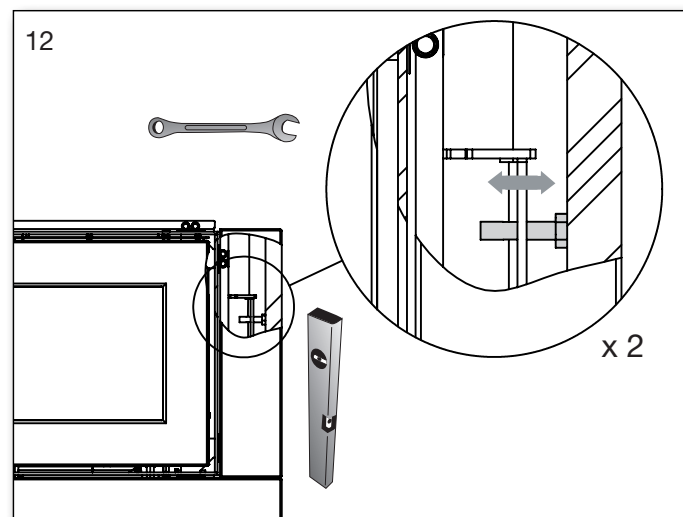
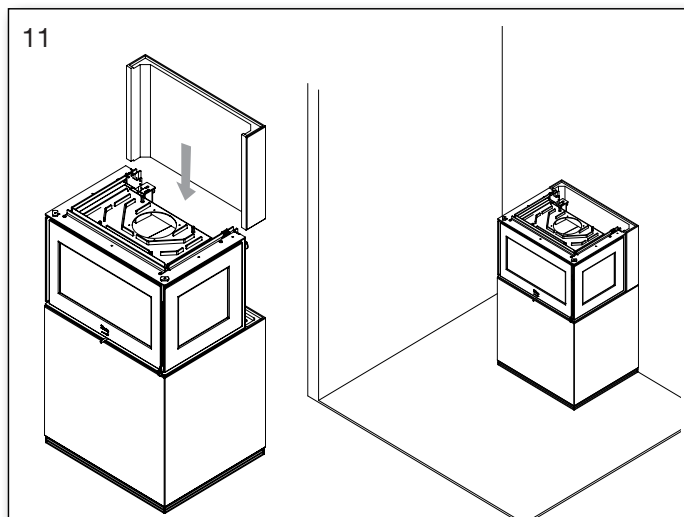
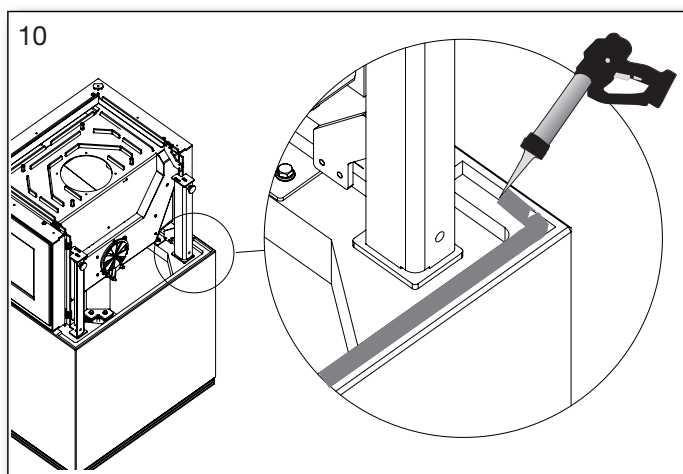
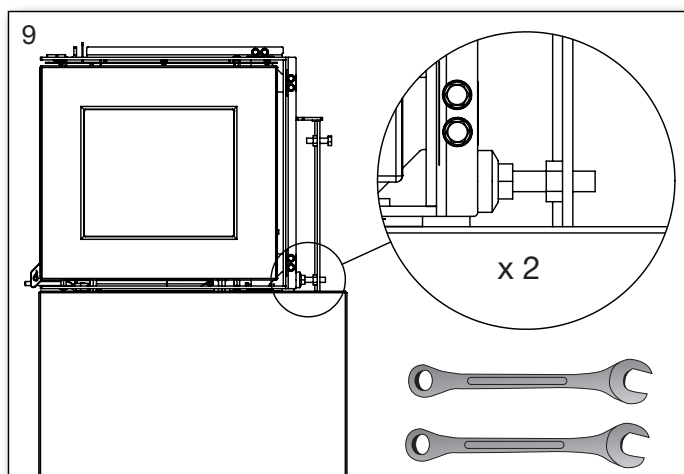
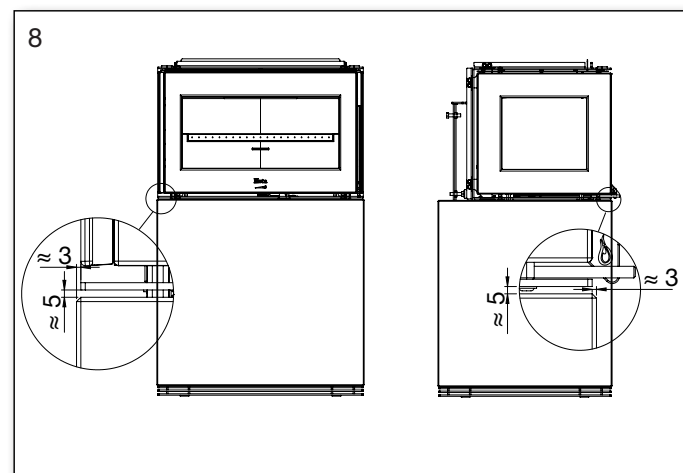
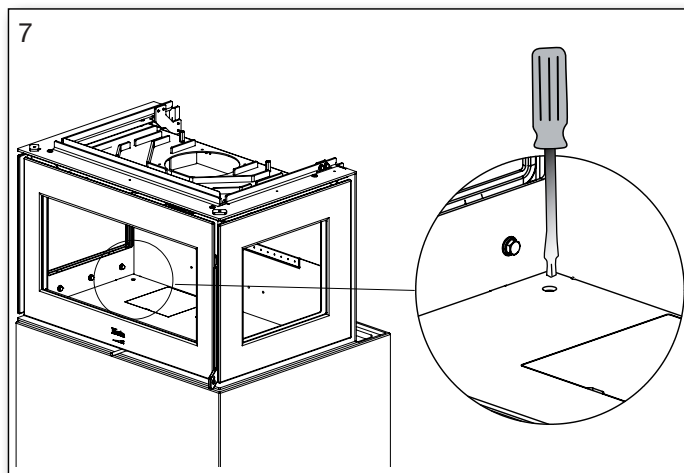
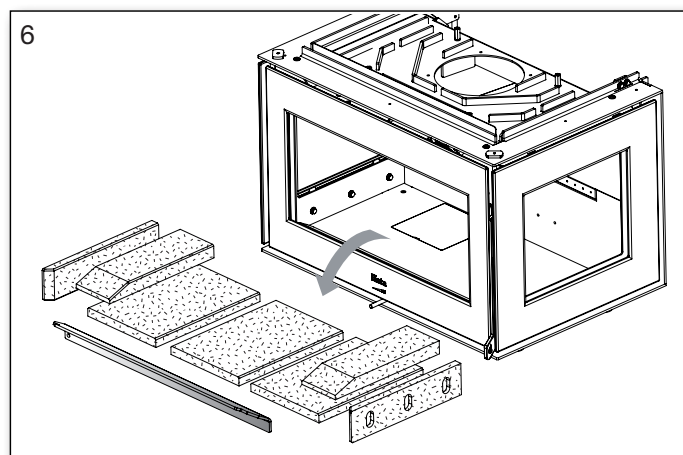
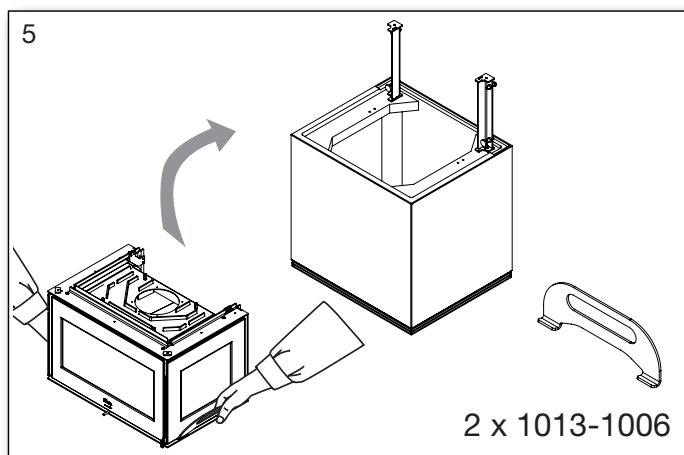
The flue collar is bolted to the stove from inside the fire chamber with, 4 x M6x10 0008-1117.

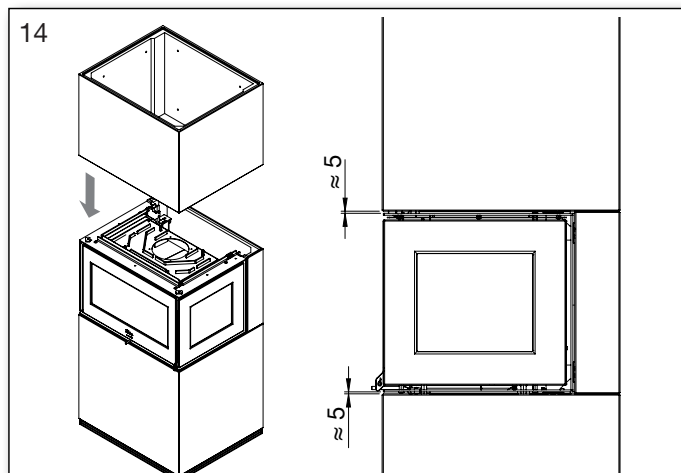
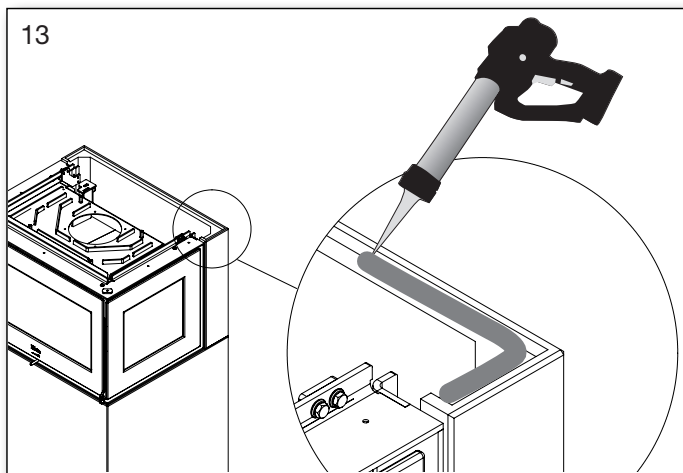
## 2.8 Mounting of accumulation Solid C and Solid C high (Accessory Parts)



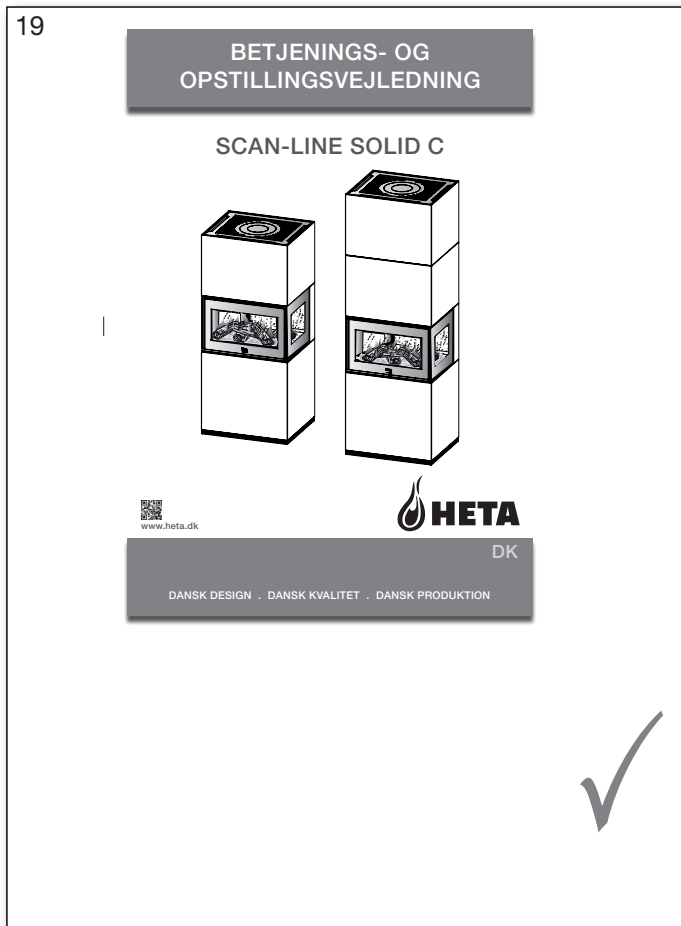
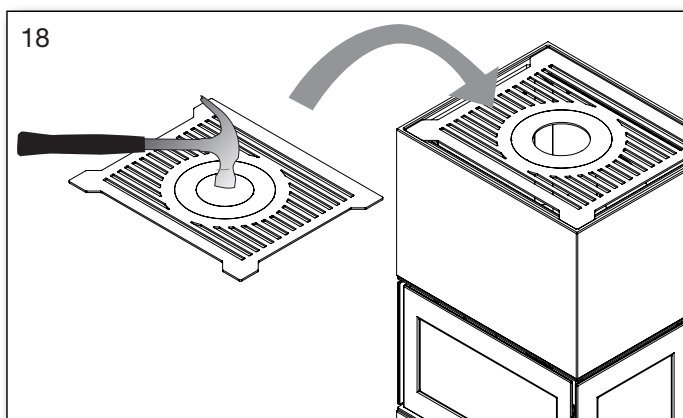
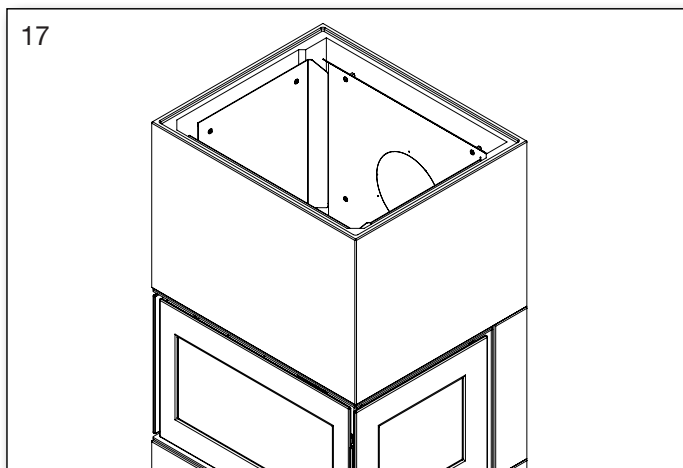
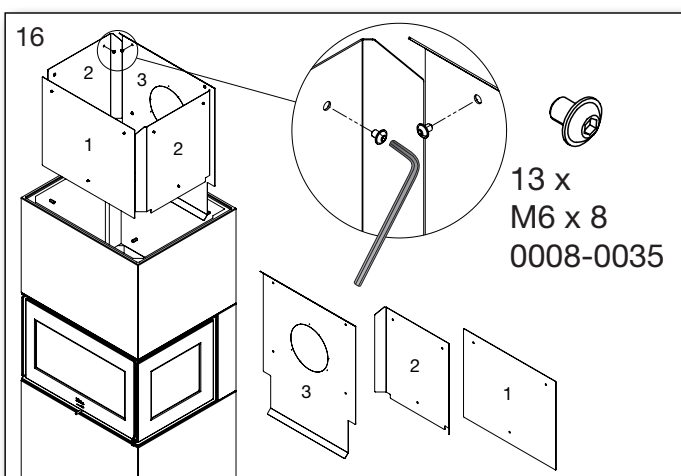
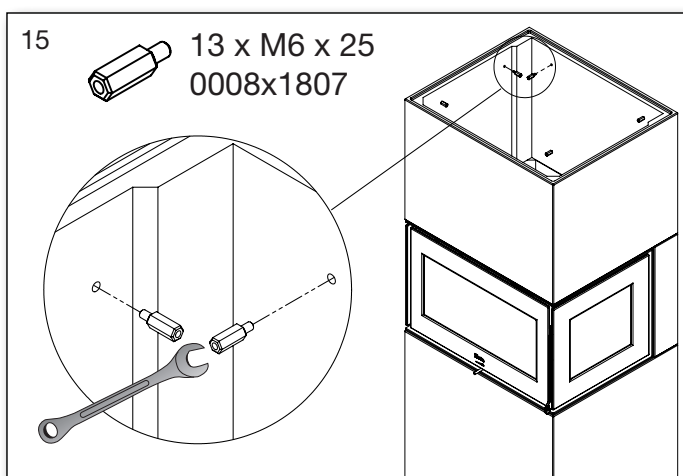
## 2.9 Installation of the stove Solid C and Solid C high



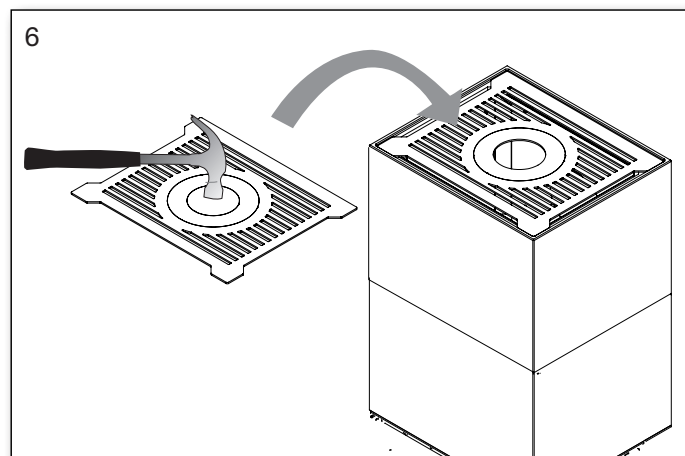
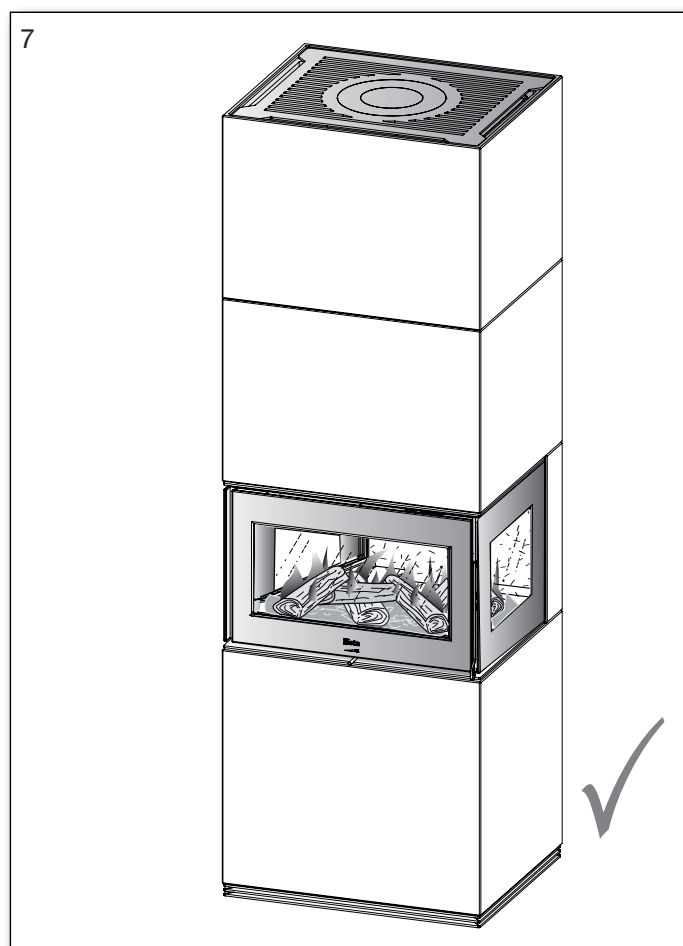
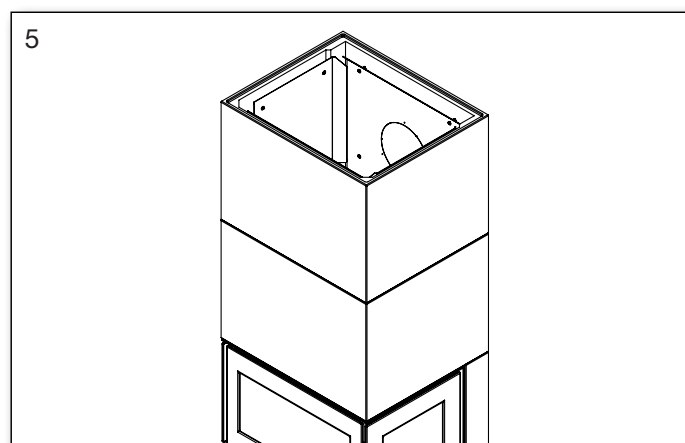
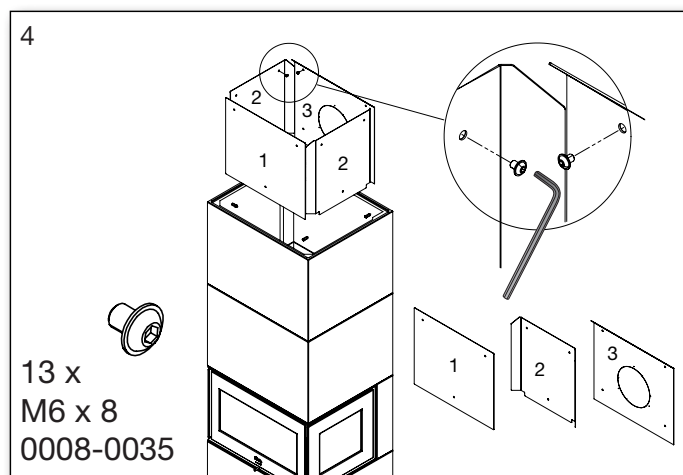
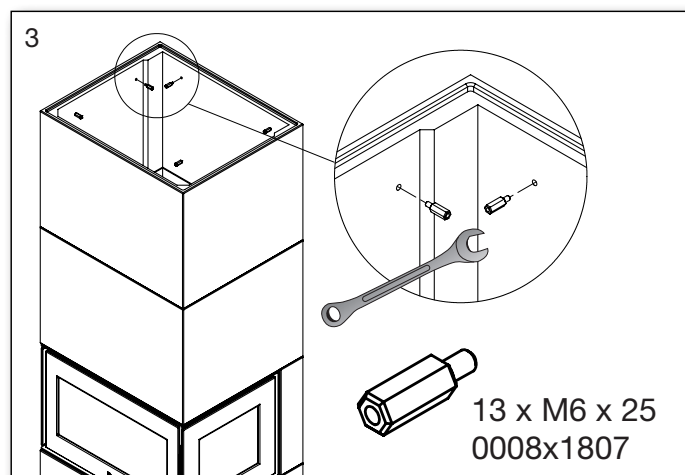
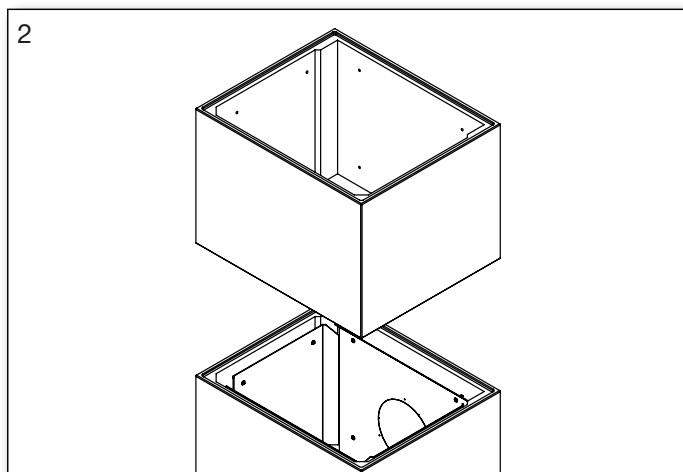
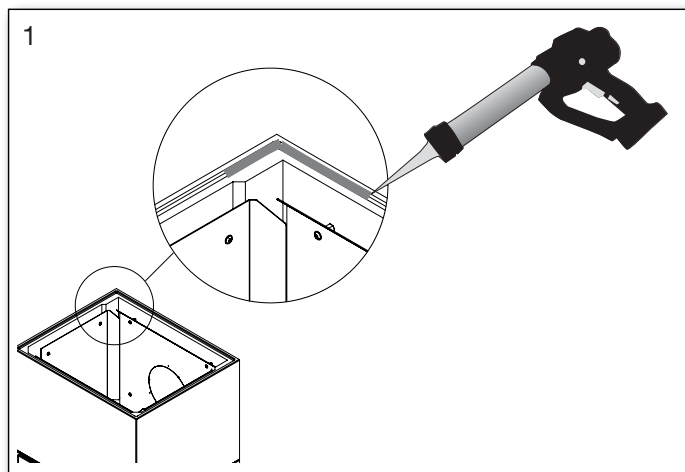




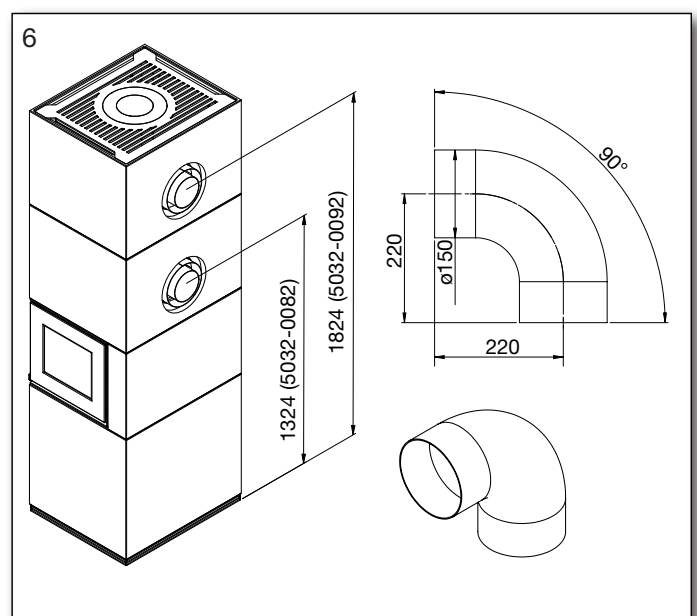
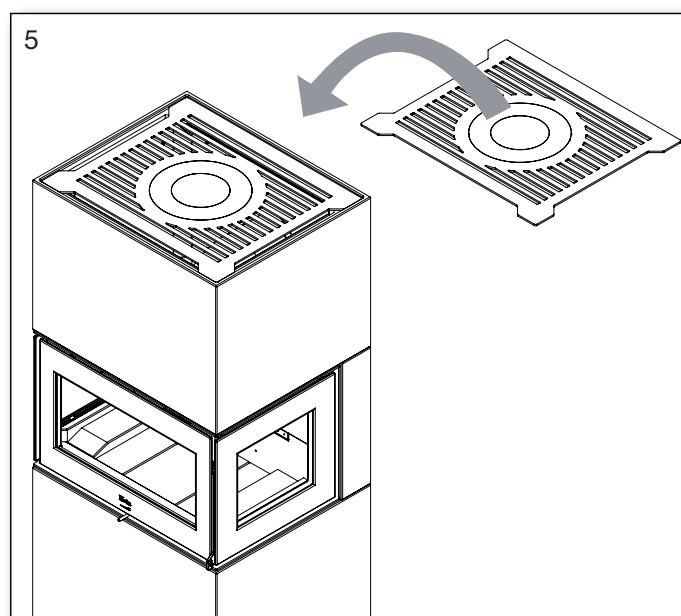
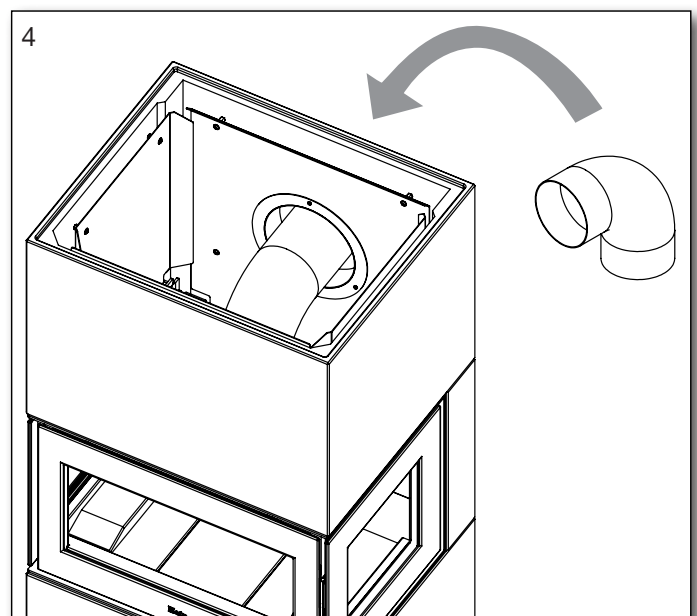
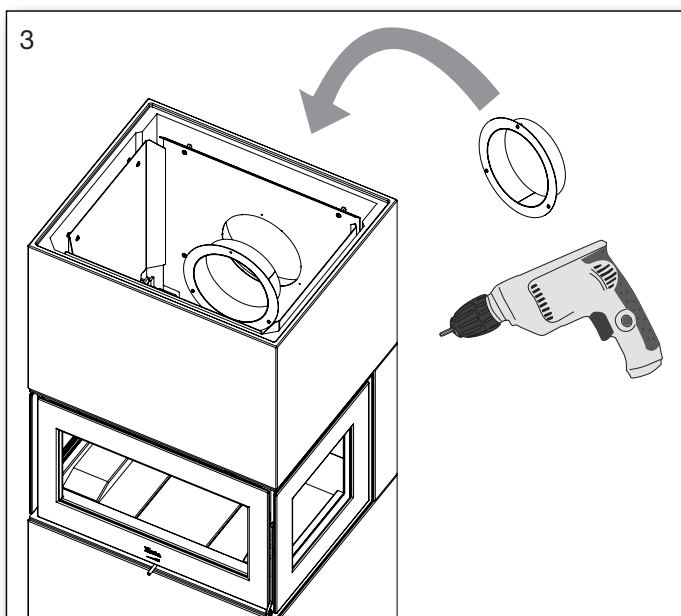
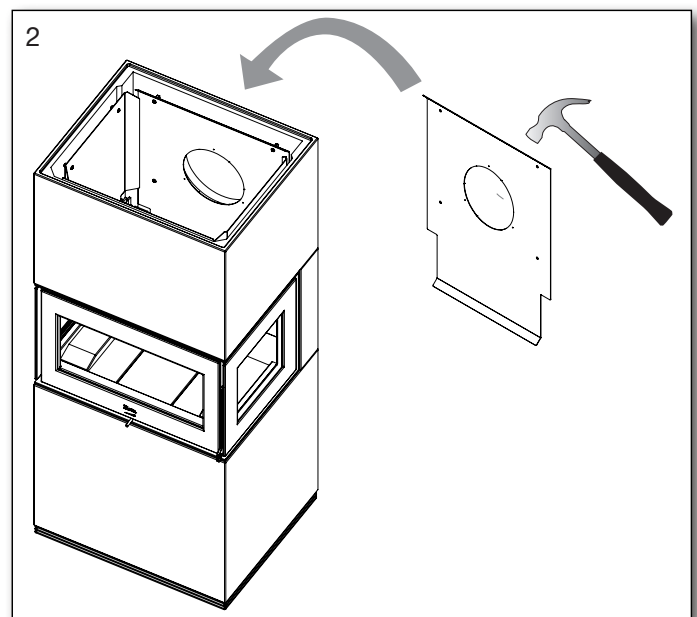
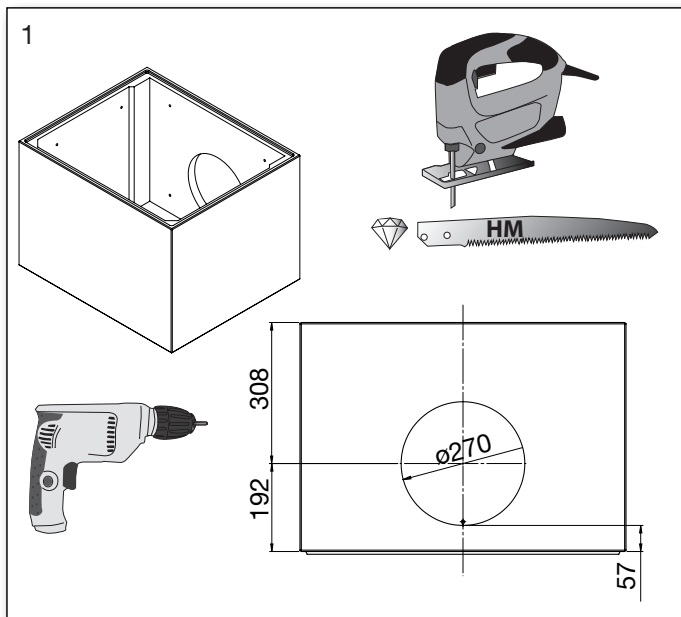
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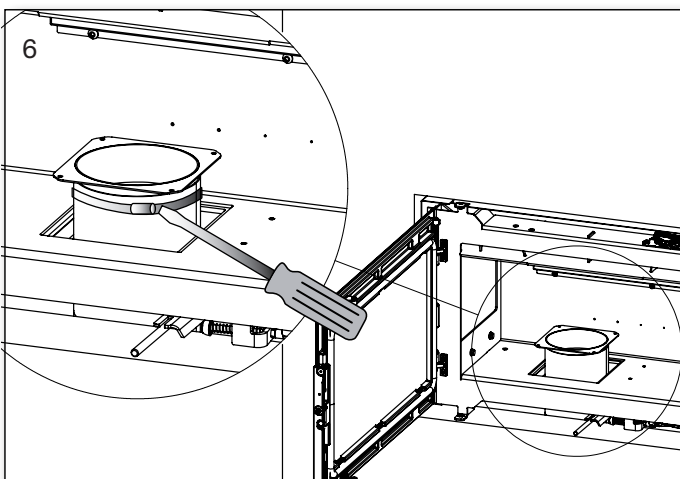
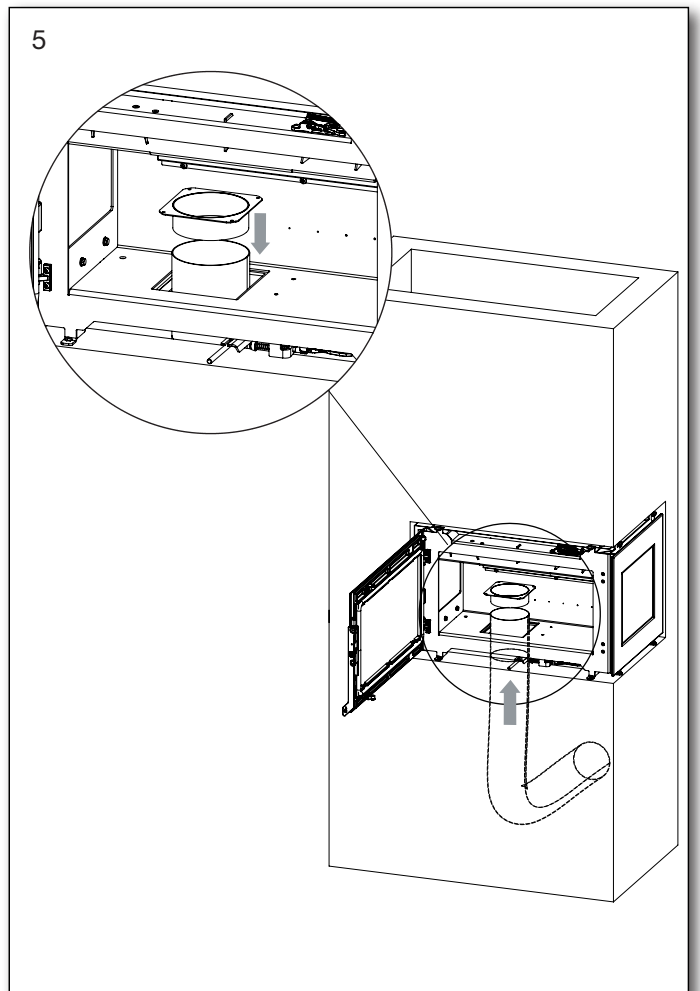
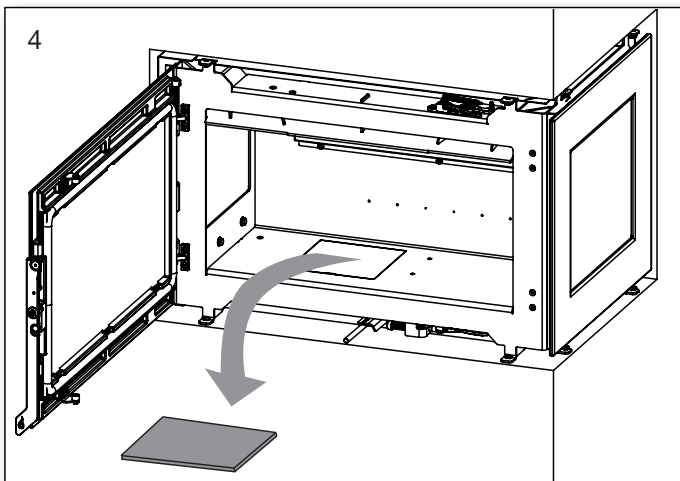
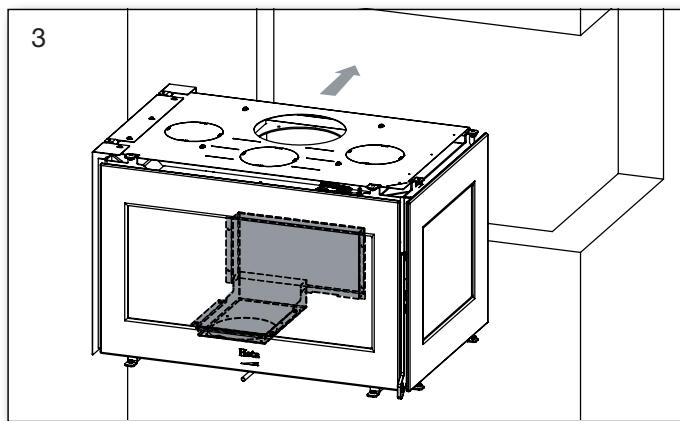
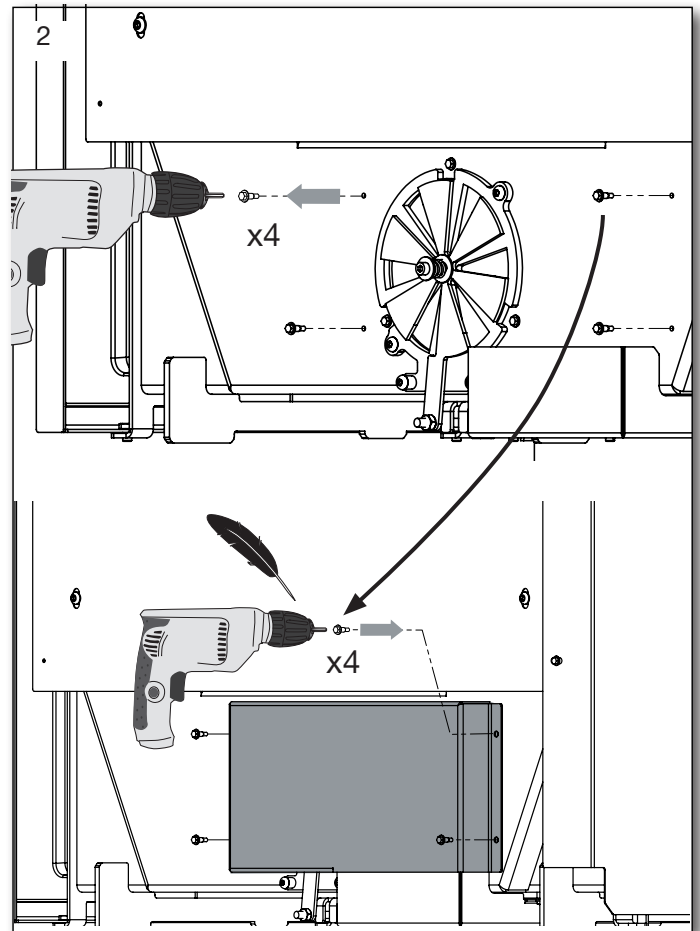
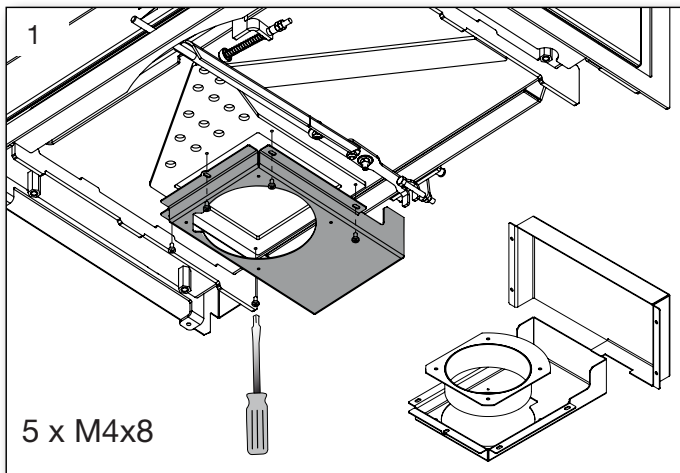
# Scan-Line Solid C high

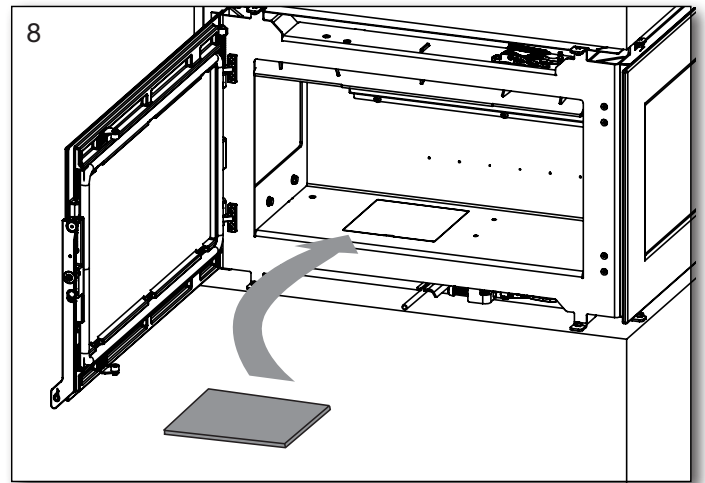
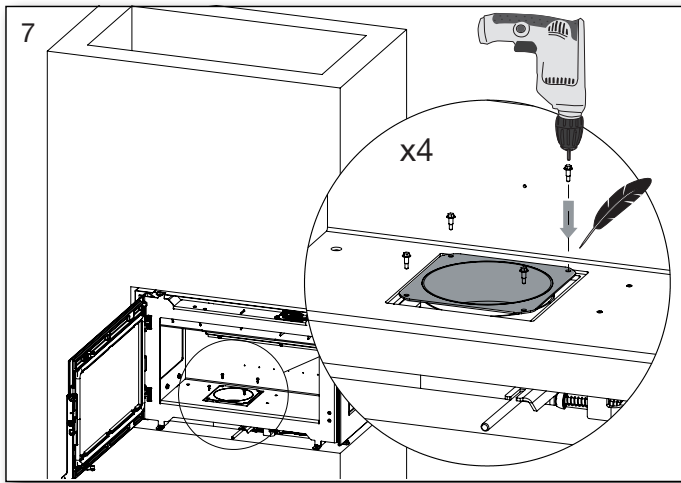


## 2.9 Rear flue outlet (Accessory 5032-0082 Solid C and 5032-0092 Solid High)

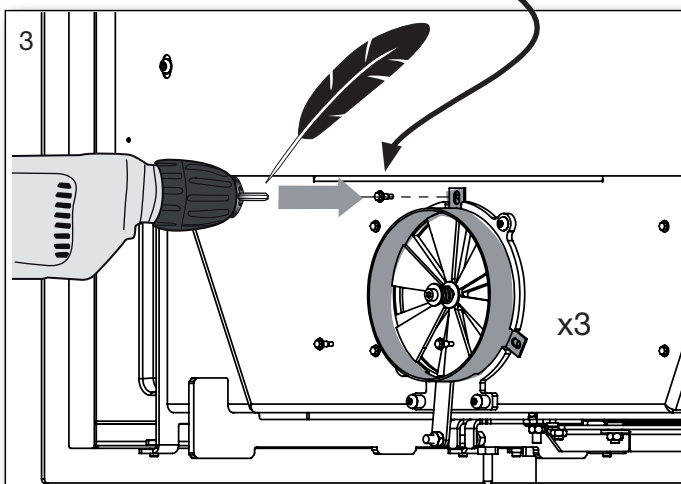
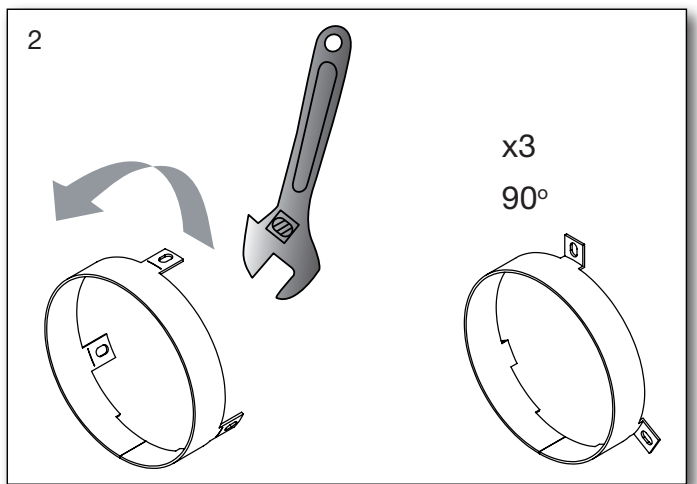
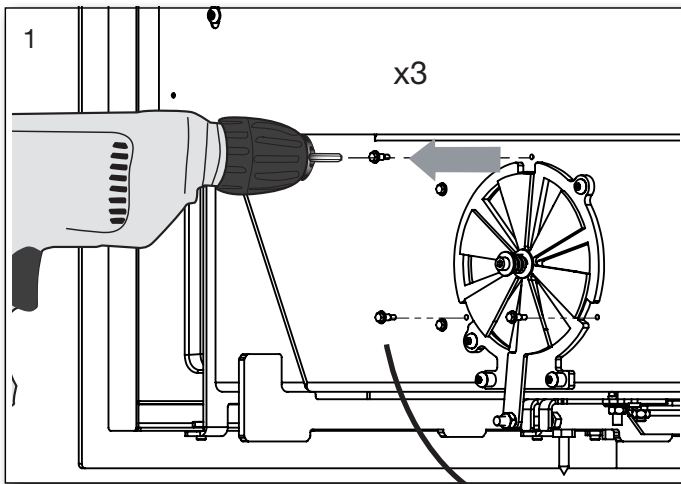


### 3. Connecting external air supply from below





## 4. Connecting external air supply from behind



## 5. Appendix A

### The Clean Air Act 1993 and Smoke Control Areas.

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an "unauthorized fuel" for use within a smoke control area unless it is used in an "exempt" appliance ("exempted" from the controls which generally apply in the smoke control area).

In England appliances are exempted by publication on a list by the Secretary of State in accordance with changes made to sections 20 and 21 of the Clean Air Act 1993 by section 15 of the Deregulation Act 2015. Similarly, in Scotland appliances are exempted by publication on a list by Scottish Ministers under section 50 of the Re-

gulatory Reform (Scotland) Act 2014. In Wales and Northern Ireland these are authorized by regulations made by Welsh Ministers and by the Department of the Environment respectively.

Further information on the requirements of the Clean Air Act can be found here:

<https://www.gov.uk/smoke-control-area-rules>

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements

The Prestige with and without side windows have all been recommended as suitable for use in smoke control areas when burning dry wood logs.