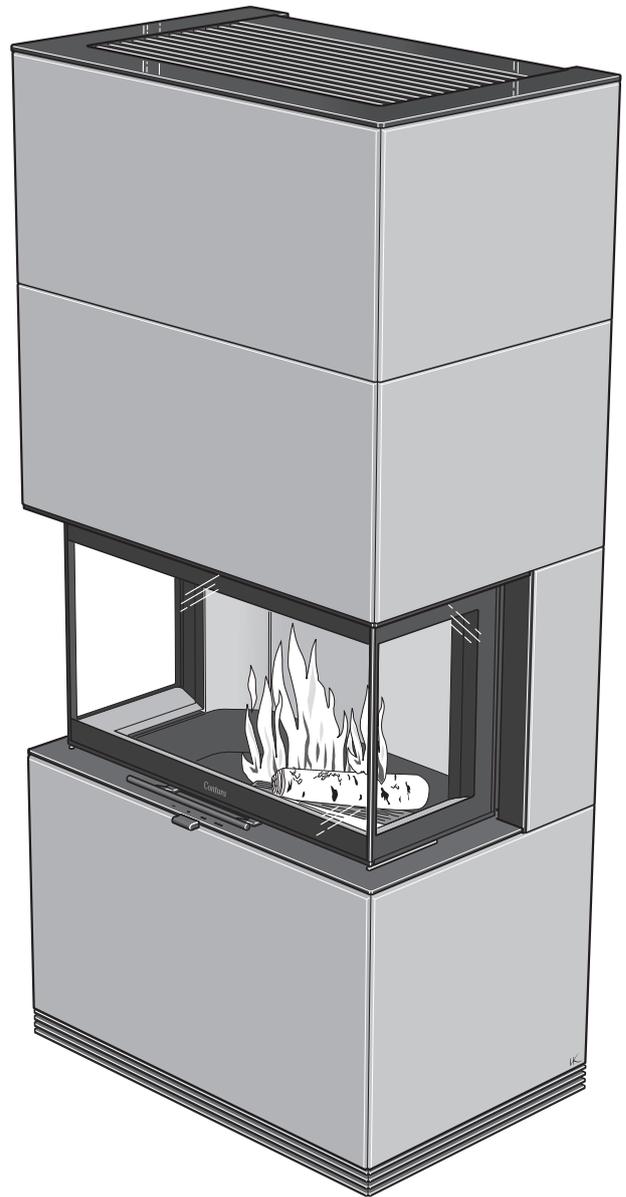
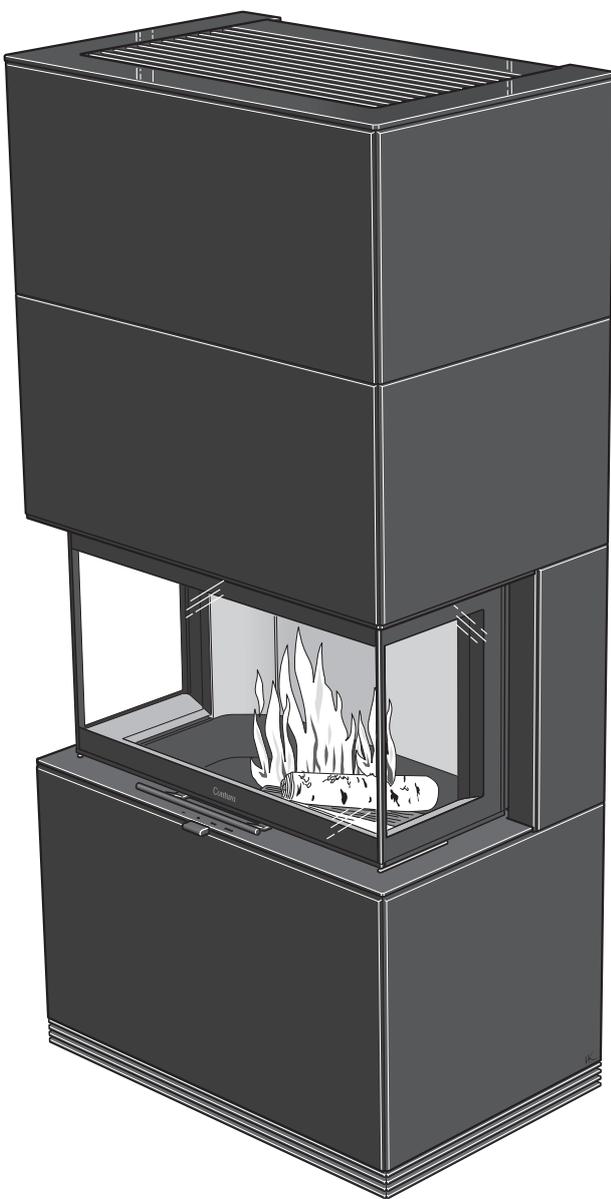


Installation instructions



CI51
CI51A
CI51T

Contura

Declaration of performance according to Regulation (EU) 305/2011

No. Ci51-CPR-191219

Contura

PRODUCT

Type Wood burning insert
Trade name Contura i51
Intended area of use Heating of rooms in residential buildings
Fuel Wood

MANUFACTURER

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

VERIFICATION

According to AVCP System 3
European standard EN 13240:2001 / A2:2004 / AC:2007
Test institute Rein-Ruhr Feuerstätten Prüfstelle, NB 1625.

DECLARED PERFORMANCE

ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONISED TECHNICAL SPECIFICATION
Fire safety	Pass	EN 13240:2001 / A2:2004 / AC:2007
Fire classification	A1	
Minimum distance to flammable materials	Rear: 0 mm Side: 700 mm Ceiling: 730 mm Front: 1500 mm Floor: 0 mm Corner: NPD	
Fire hazard due to burning fuel falling out	Pass	
Cleanability	Pass	
Emissions from combustion	CO: 0,08%	
Surface temperatures	Pass	
Temperature on the handle	NPD	
Mechanical resistance	Pass	
Temperature in the space for wood storage	NPD	
Nominal output	8,0 kW	
Efficiency	80,0%	
Flue gas temperature at nominal output	278°C	
Flue gas temperature in flue spigot	334°C	

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



Niklas Gunnarsson, Business area manager NIBE STOVES
Markaryd, December 19, 2019



EU Declaration of Conformity

Manufacturer	NIBE AB / Contura
Address	Box 134, Skulptörvägen 10 285 23 Markaryd, Sweden
E-Mail	info@contura.se
Website	www.contura.eu
Telephone	+46 433 275100

Contura

THIS DECLARATION OF CONFORMITY IS ISSUED UNDER OUR SOLE RESPONSIBILITY FOR THE FOLLOWING PRODUCT:							
Trade name		Contura i50-series: i50 / i51 (A/AN/T/S)					
Identification of product		www.contura.eu					
THE OBJECT OF THE DECLARATION DESCRIBED ABOVE IS IN CONFORMITY WITH -							
THE RELEVANT UNION HARMONIZATION LEGISLATION:				THE RELEVANT HARMONIZED STANDARDS:			
DIR 2009/125/EC		EN 13240:2001/A2:2004/AC:2007					
REG (EU) 2015/1185		CEN/TS 15883:2010					
REG (EU) 2015/1186		EN 13229:2001/A2:2004/AC:2007					
REG (EU) 2017/1369							
REG (EU) 305/2011							
TECHNICAL DOCUMENTATION							
Indirect heating functionality:		No					
Direct heat output:		8,0 kW					
Energy Efficiency Index (EEI):		106,0					
Test report		RRF 29 15 4067, NB 1625					
FUEL	PREFERRED FUEL	OTHER SUITABLE FUEL	η_s (%)	EMISSIONS AT NOMINAL HEAT OUTPUT			
				PM	OGC	CO	NO _x
mg/ Nm ³ (13% O ₂)							
Wood logs with moisture content < 25%	Yes	No	70,0	<40	<120	<1500	<200
Compressed wood with moisture content <12%	No	Yes	70,0	<40	<120	<1500	<200
Other woody biomass	No	No					
Non-wood biomass	No	No					
Anthracite and dry steam coal	No	No					
Hard coke	No	No					
Low temperature coke	No	No					
Bituminous coal	No	No					
Lignite briquettes	No	No					
Peat briquettes	No	No					
Blended fossil fuel briquettes	No	No					
Other fossil fuel	No	No					
Blended biomass and fossil fuel briquettes	No	No					
CHARACTERISTICS WHEN OPERATING WITH THE PREFERRED FUEL							
ITEM	SYMBOL	VALUE	UNIT	ITEM	SYMBOL	VALUE	UNIT
HEAT OUTPUT				USEFUL EFFICIENCY, BASED ON NET CALORIFIC VALUE (NCV)			
Nominal heat output:	P_{nom}	8,0	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	80,0	%
AUXILIARY ELECTRICITY CONSUMPTION				TYPE OF HEAT OUTPUT/ROOM TEMPERATURE CONTROL			
At nominal heat output	el_{max}	-	kW	Single stage heat output, no room temperature control			Yes
At minimum heat output	el_{min}	-	kW	Two or more manual stages, no room temperature control			No
In standby mode	el_{sb}	-	kW	With mechanic thermostat room temperature control			No
				With electronic room temperature control			No
				With electronic room temperature control plus day timer			No
				With electronic room temperature control plus week timer			No
OTHER CONTROL OPTIONS							
				Room temperature control, with presence detection			No
				Room temperature control, with open window detection			No
				With distance control option			
Specific precautions for assembly, installation, or maintenance.		Fire protection and safety distances to combustible building materials must be observed under all circumstances. A sufficient supply of combustion air must always be guaranteed. Air suction systems can interfere with the combustion air supply.					

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



Niklas Gunnarsson, Business area manager NIBE STOVES
Markaryd, January 1, 2022

A warm welcome to Contura.

Welcome to the Contura family. We hope you will get a great deal of pleasure from your new insert. Congratulations on your purchase of a Contura insert. You have acquired a reliable quality product with a timeless design and long service life. Contura produces environmentally-friendly wood burning stoves that create heat in the most efficient way possible.

Please read these instructions carefully and thoroughly before installation. The Lighting instructions explain how you can obtain optimal performance from your stove.

Contents

Technical specifications	117
Chimney	118
Combustion air supply	119
Installation distances	120
Placement and adjustment of insert	122
Assembling the surround	124
Assembling the grate and top	134

NB!

You are required to apply to your local authority for permission to install a fireplace/stove

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 of the installation, as this will affect the routines for regular chimney-sweeping services.

WARNING!

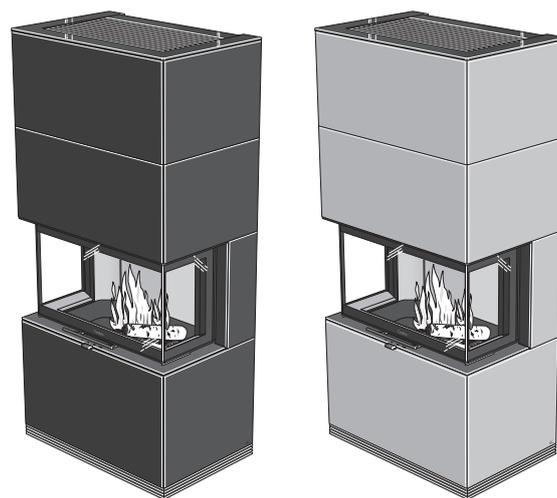
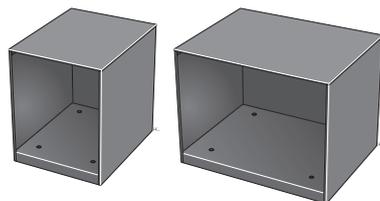
The insert becomes very hot

Parts of the insert become very hot when it is in use and can cause burns if touched. You should also be careful of the heat that transfers through the door glass. Combustible materials must be kept at the stated safe distance to prevent the risk of fire. A smouldering fire emits gases that can suddenly ignite and cause material damage and personal injury.

Technical specifications

Model	i51/i51A/i51T	Log box (optional)
Output	6-11 kW	
Nominal output	8,0 kW	
Efficiency	80%	
Weight i51/A/T (kg)	210 / 285 / 345	30 / 40
Powerstone (option):	+ 100 kg	
Width (mm)	770	400 / 650
Depth (mm)	500	500 / 500
Height (mm)	1650	500 / 500

Connection sleeve diameter Ø150 mm ext.



General

This manual contains instructions about how to assemble and install the Contura i51. More information about the insert is available in the separate installation instructions.

To ensure the function and safety of the firebox, we recommend that installation is carried out by an authorised technician. Our Contura agents can recommend a suitable installer; information regarding our agents is available at www.contura.eu

Instructions for lighting are also supplied with the insert. Read them carefully and keep them safe for future use.

Application to local authority

Before installing a firebox or erecting a chimney, it is necessary for you to make an application for permission to your local authority. Ask your local authority for advice regarding regulations and the application.

Structural support

If the firebox is to be positioned on a wooden joist, a structural engineer should evaluate the load capacity of the floor. When the gross weight exceeds 400 kg, reinforcement of the wooden joists is usually necessary.

Floor plate

Due to the risk of falling embers, a flammable floor must be protected by a hearth plate. It must extend at least 300 mm all the way around. The hearth plate can consist of natural stone, concrete, metal or glass. A glass hearth plate is available as an accessory for these models.

Walls behind

If your Contura i51 is to be installed against a combustible wall, the wall must be protected by a firewall or by the integrated protective screen (optional accessory).

The following material requirements are made of the firewall:

The building material must not be combustible.

The thermal conductivity coefficient λ must be a maximum of 0.14 W/mK. The thickness of the building material must always be at least 100 mm. In cases where the building material's insulation properties are given as a U-Value, this must be a maximum of 1.4 W/m²K.

List of suitable materials:

Aerated concrete $\lambda = 0.12-0.14$

Vermiculite $\lambda = 0.12-0.14$

Calcium silicate $\lambda = 0.09$

Products with an integrated protective screen can be installed in front of a wall with a minimum U-value of 0.08 W/(m²K).

Contact your chimney sweep for advice in choice of other materials. Remember that even a non-combustible wall may require protection if it is a load bearing wall or has combustible material behind it.

Chimney

The insert is approved for connection to a chimney designed to withstand flue gas temperatures of up to 350°C. The external diameter of the connection sleeve is Ø150 mm.

The insert requires a chimney draft that creates a negative pressure of 20–25 Pa in the firebox. The draft is affected primarily by the length and area of the chimney and also by how well sealed it is. The minimum recommended chimney length is 3.5 m and a suitable cross-section area is 150–200 cm² (Ø140–160 mm). Carefully check that the chimney is sealed and that there is no leakage of smoke from the soot doors or connections.

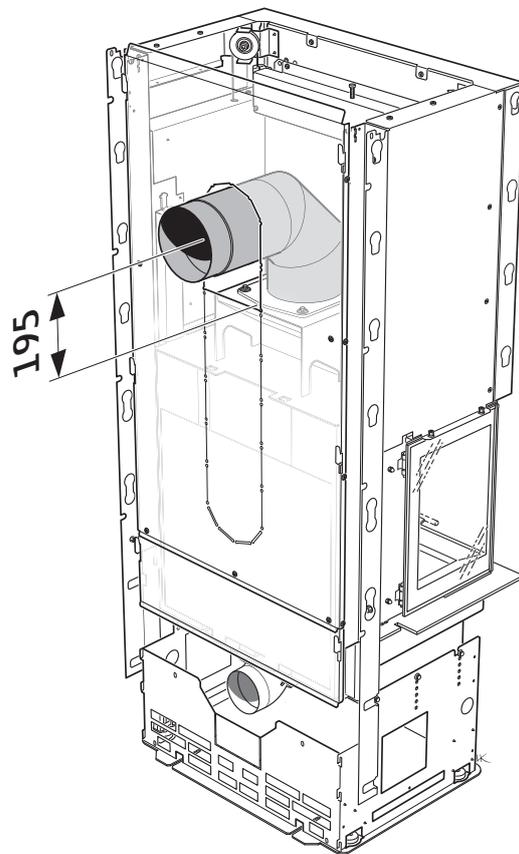
Note that sharp bends and horizontal lengths in a flue pipe reduce the draft in the chimney. The maximum horizontal length of flue pipe allowed is 1 m, provided the flue pipe rises vertically for at least 5 m. It must be possible to sweep the full length of the flue, and the soot doors must be easily accessible.

If two fireplaces are connected to the same chimney flue, the stove must be fitted with a self-closing door. See the instructions for the insert.

Rear connection

If connecting at the rear, we recommend using a 45° +45° angle with a soot hatch and with the centre 195 mm above the sleeve.

Note that if connecting at the rear, a heat deflector or protective screen must be installed before the chimney is connected.



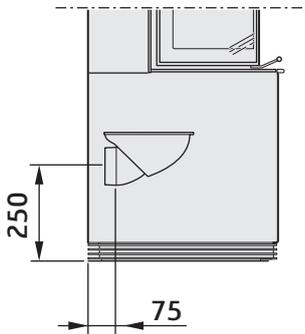
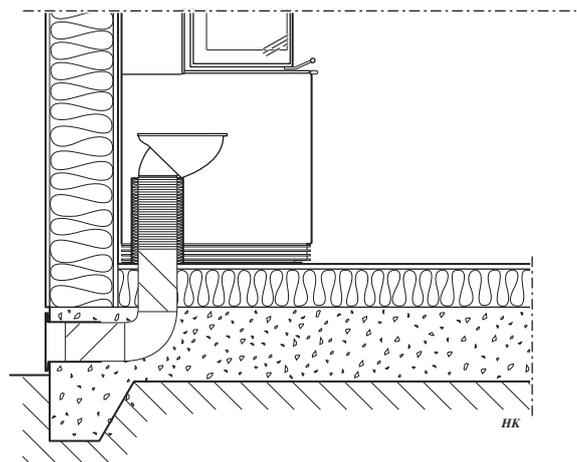
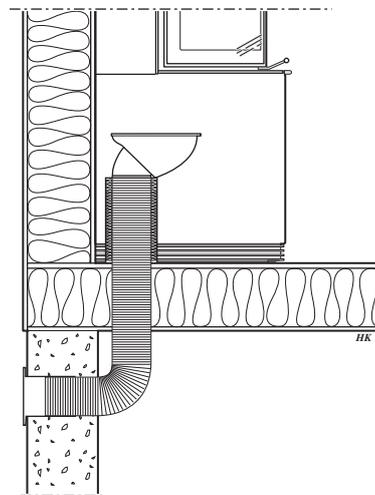
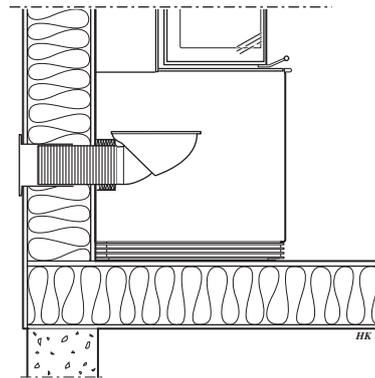
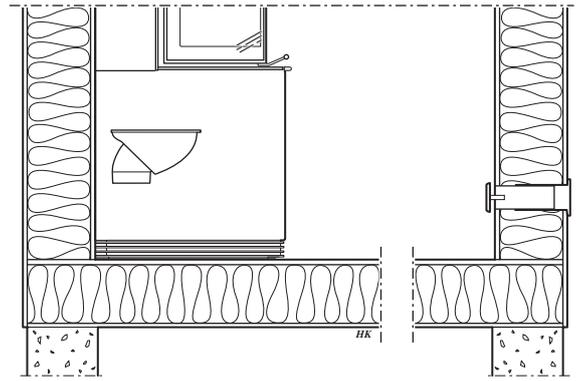
Combustion air supply

A supply of air for combustion must be provided. Combustion air can be drawn directly via a duct from outside, or indirectly via a vent in the outer wall of the room where the stove is placed. The amount of combustion air that is used for combustion is approx. 25 m³/h.

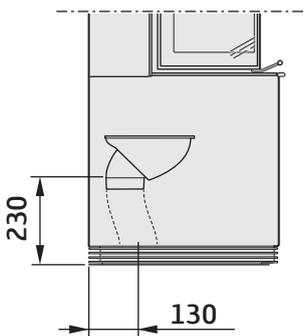
Some installation options are shown below. The connection sleeve on the stove has an external diameter of Ø100 mm.

In warm spaces, the duct should be insulated to prevent condensation using 30 mm mineral wool covered with a vapour barrier (aluminium tape). The space between the pipe and the wall (or floor) at the exit point must be properly sealed with flue jointing compound.

A 1-metre combustion-air tube insulated to prevent condensation is available as an optional extra.



Supply air rear



Supply air down

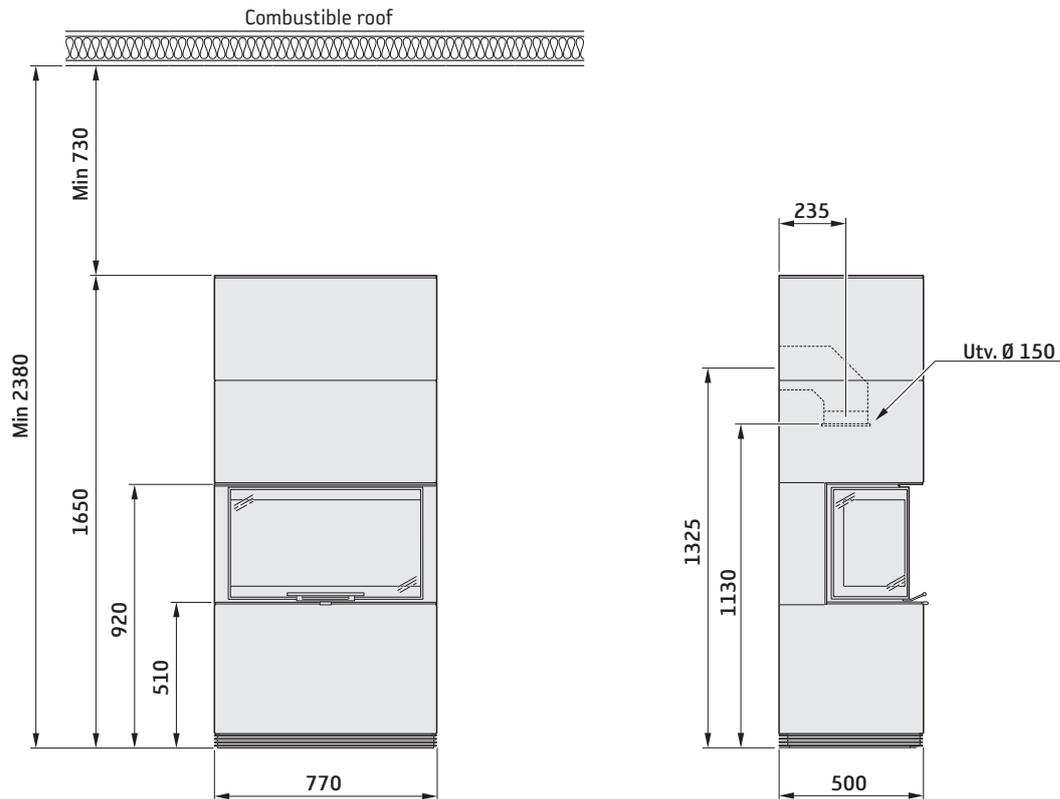
Installation distances

CI51 / CI51A / CI51T

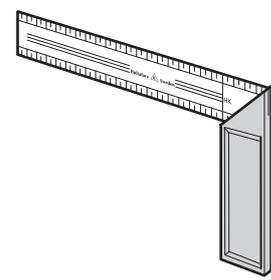
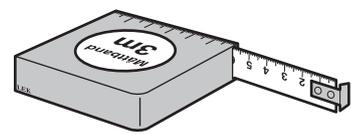
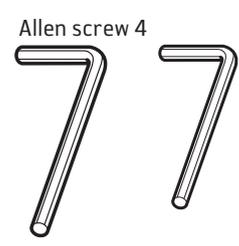
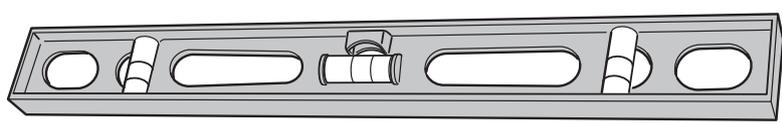
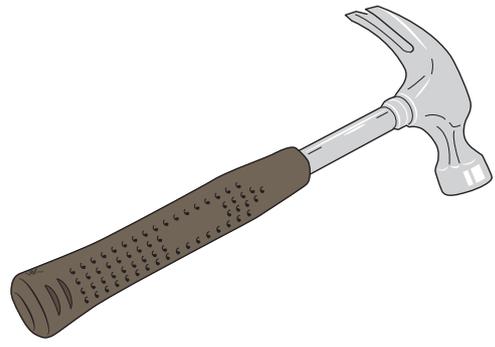
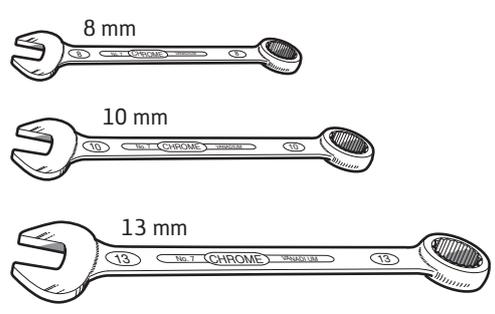
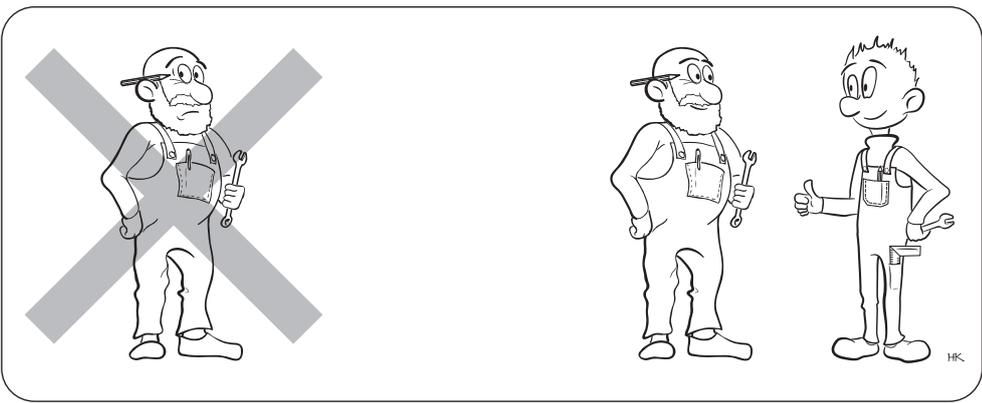
Important!

The dimension diagrams only show the minimum permitted installation distances for the stove. When connecting to a steel chimney, the requirements for safe distance to the

chimney must also be observed. A clearance of at least 1 m must be allowed as a safe distance between the front of the stove and combustible building elements or furnishings.

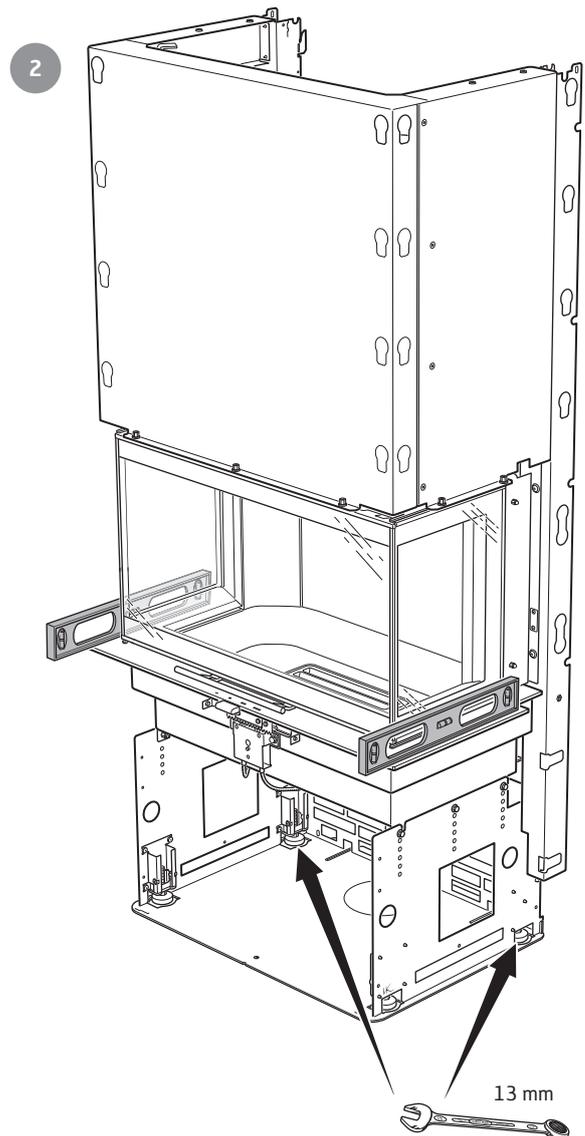
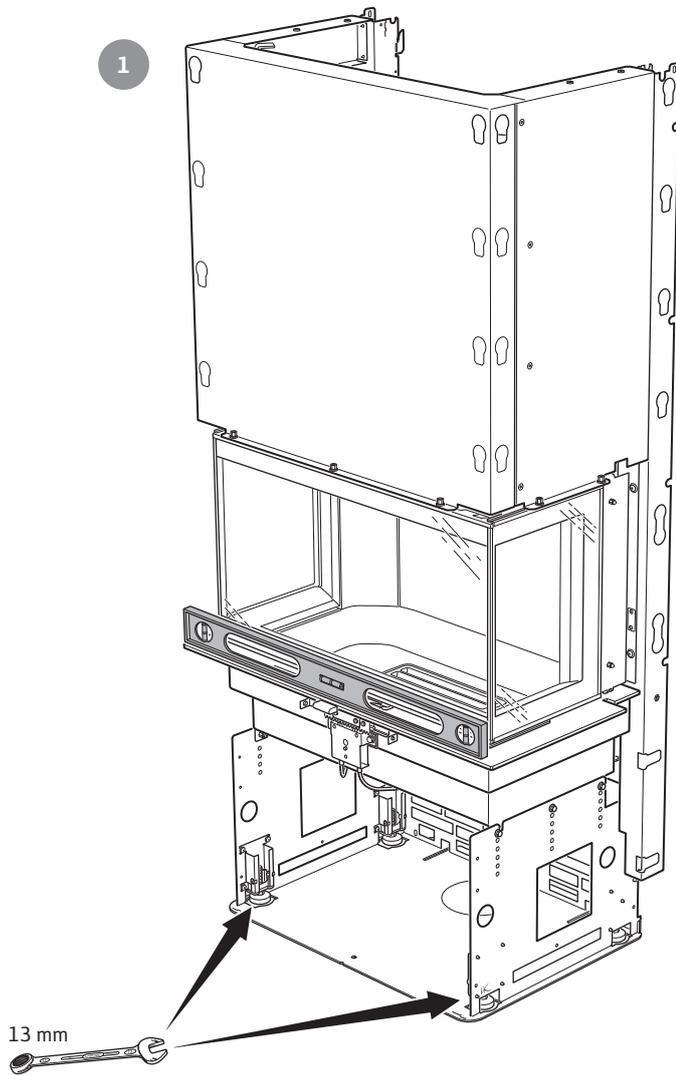


If the stove is to be positioned against a combustible rear wall, the wall must be protected by an external firewall or the integrated protective screen (available as an optional accessory in some markets). The material requirements for the firewall are specified in the section "Walls behind" on page 117

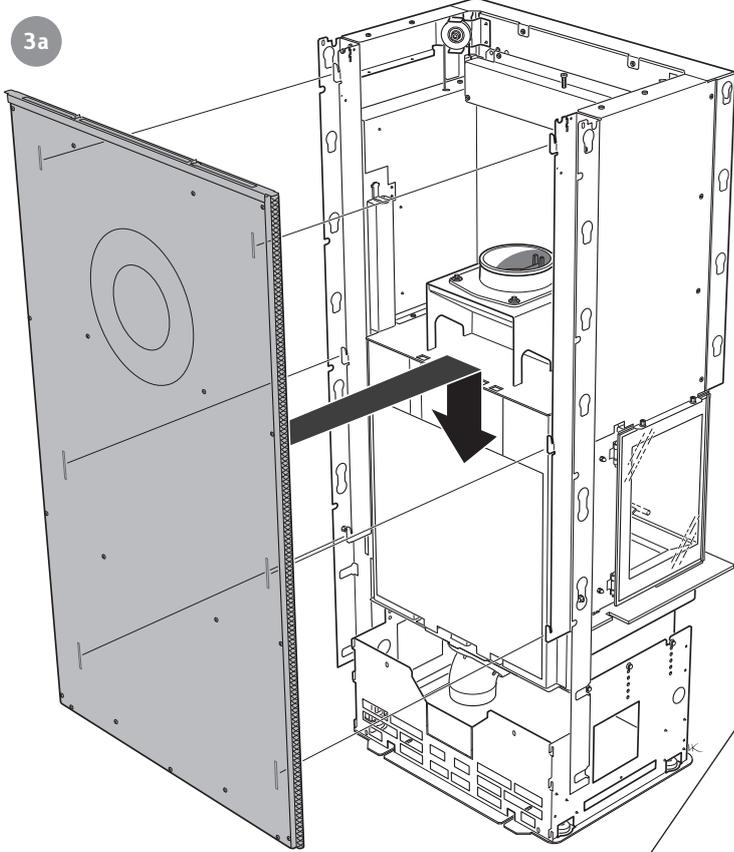


Placement and adjustment of insert

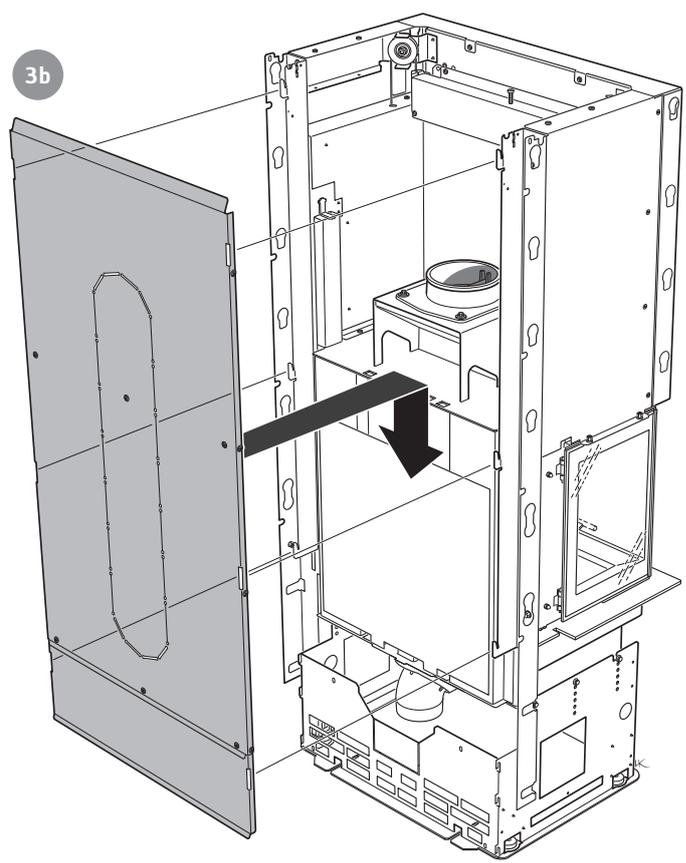
Ci51 / Ci51A / Ci51T



CI51 / CI51A / CI51T



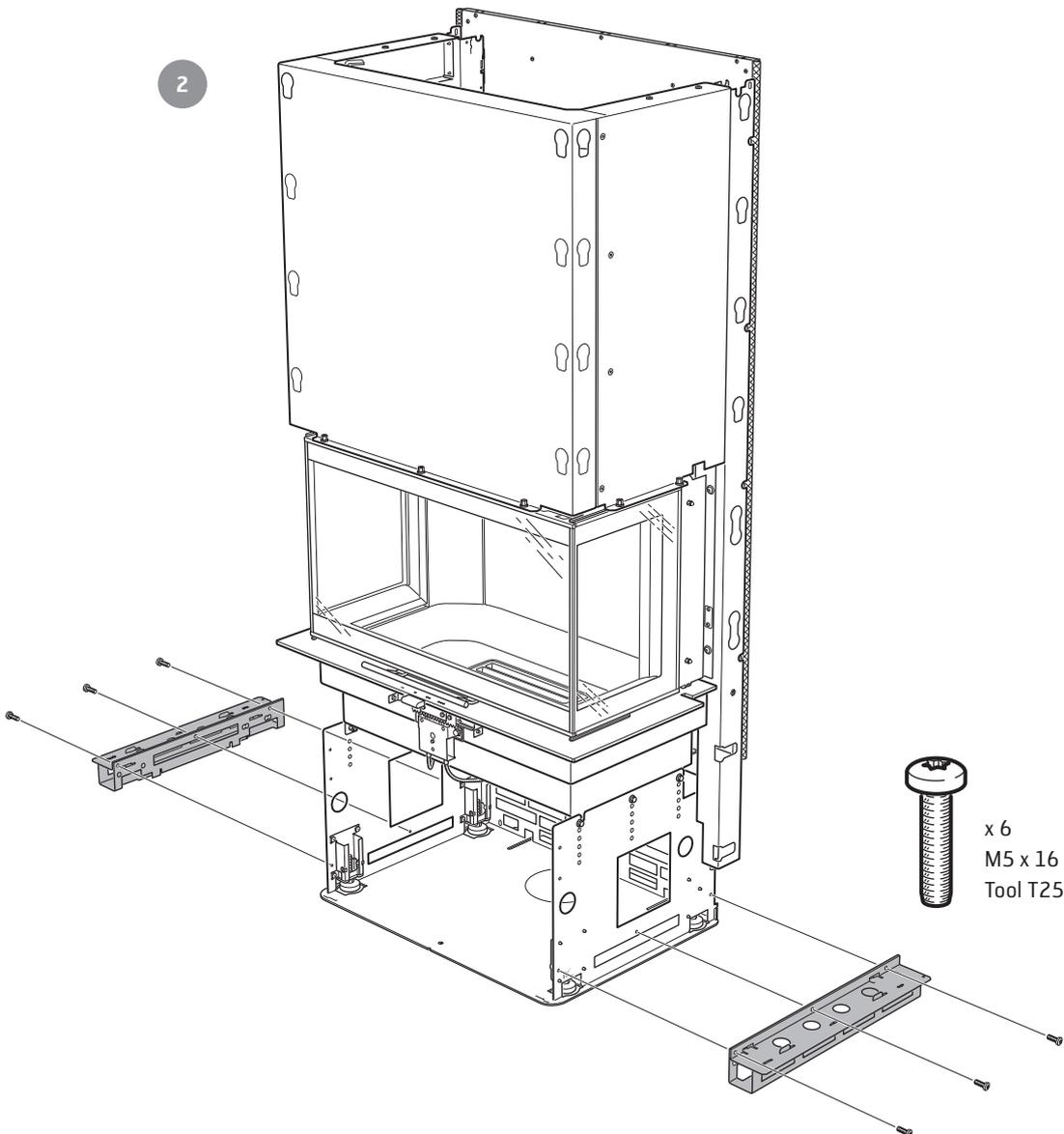
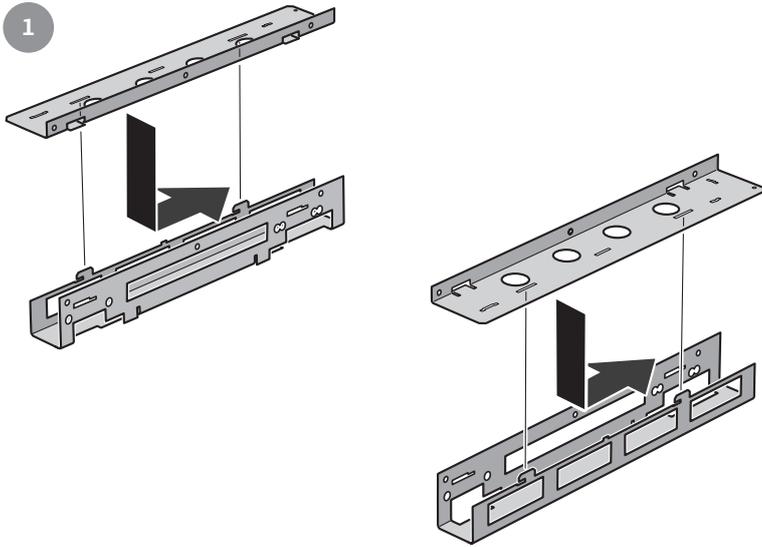
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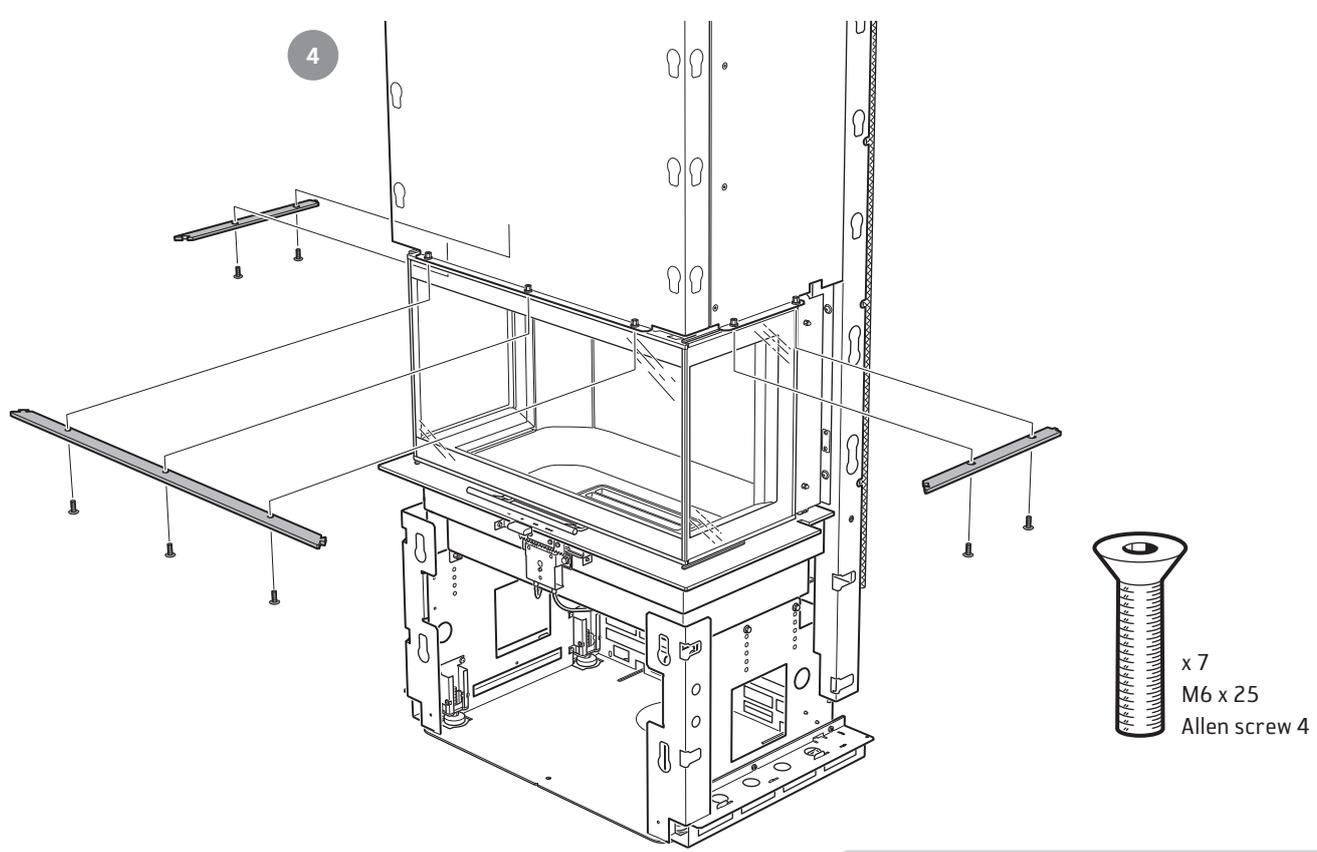
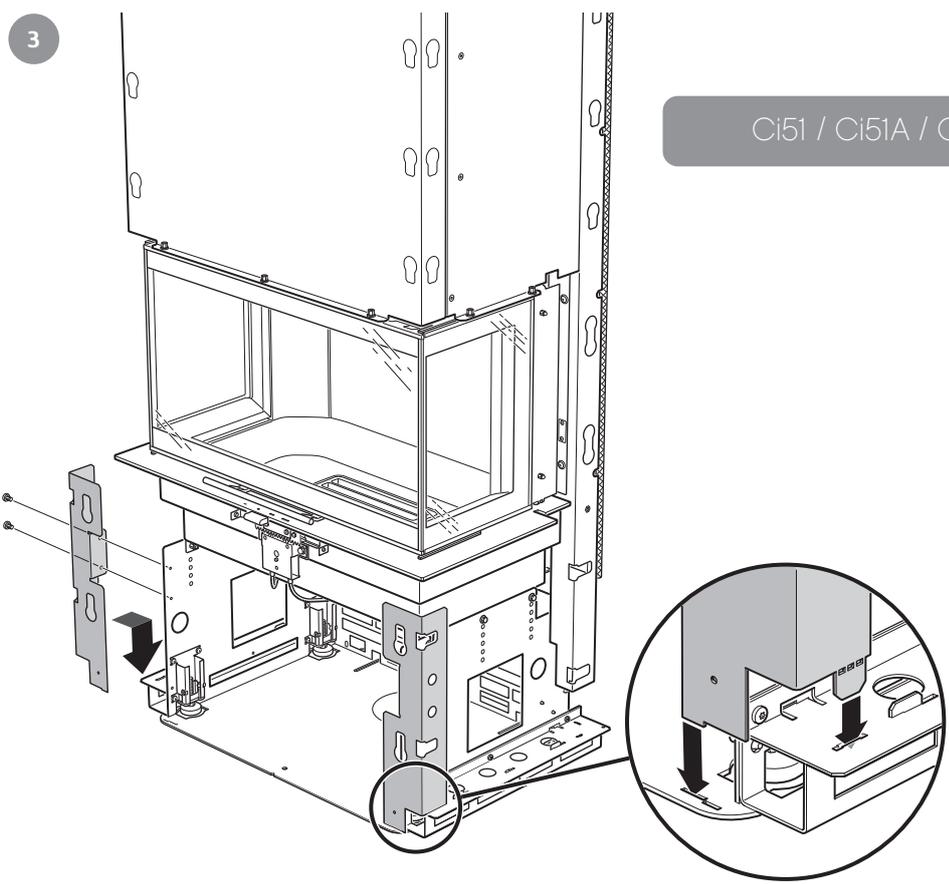


3b

Assembling the surround

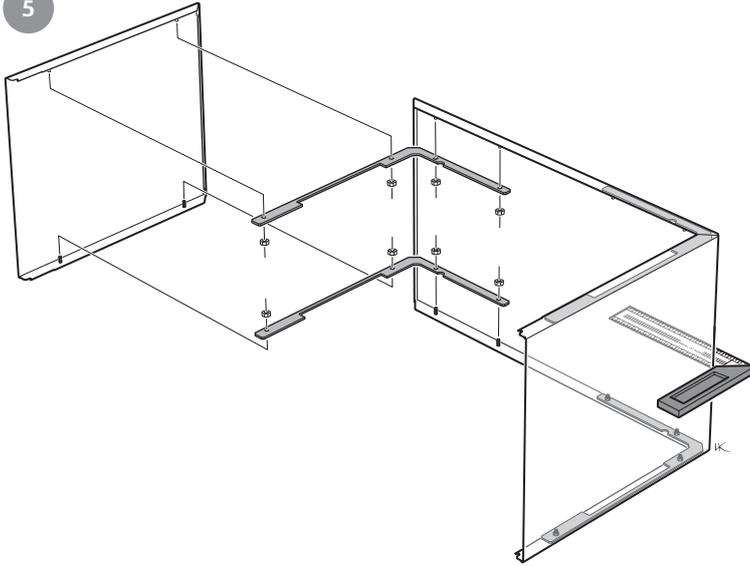
Ci51 / Ci51A / Ci51T





! Turn to page 130 to continue with assembly instructions for a stone or soapstone surround...

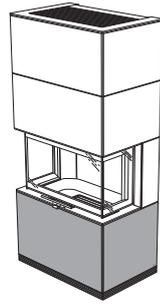
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90°

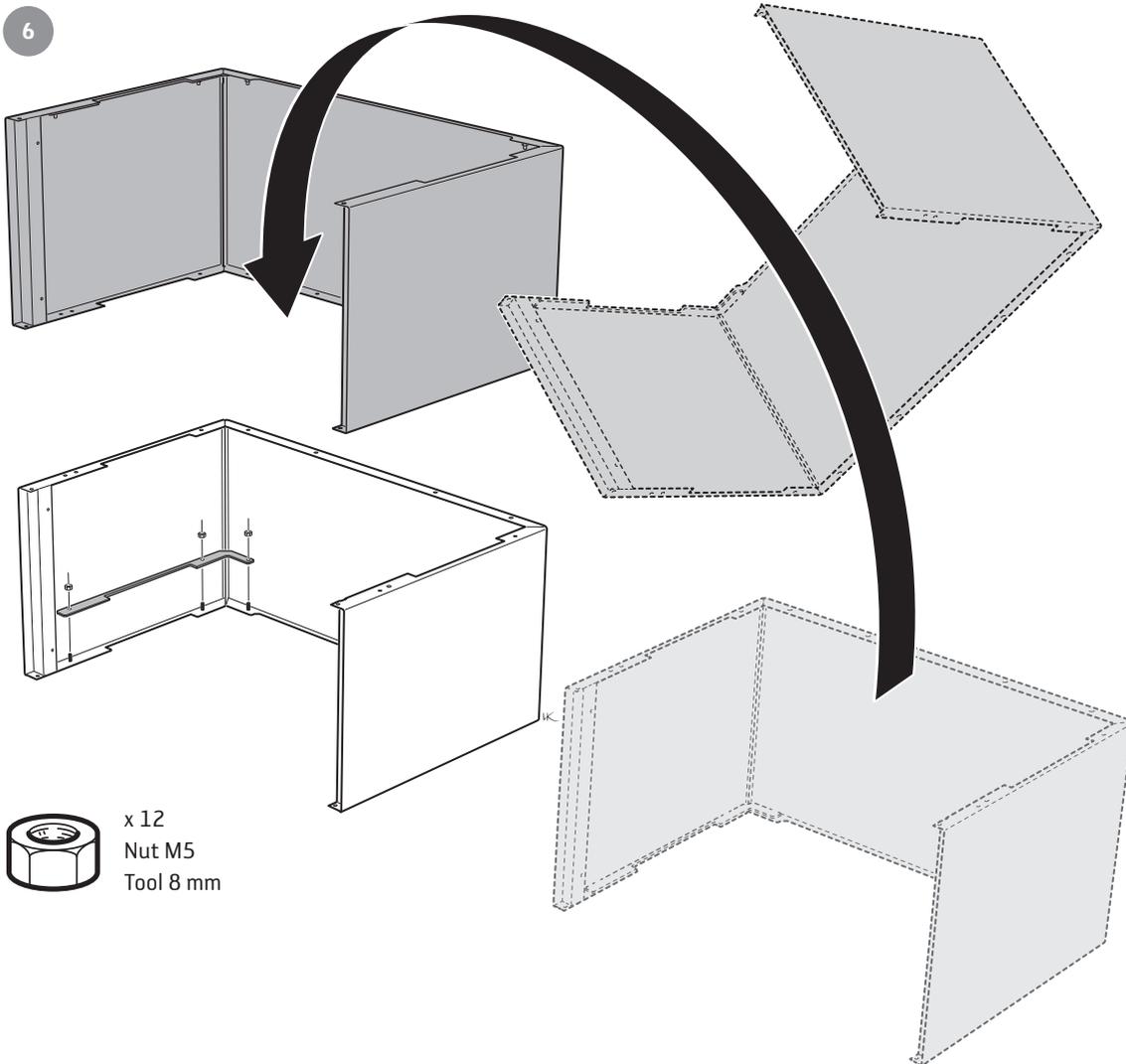


x 16
Nut M5
Tool 8 mm

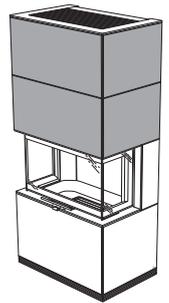


Ci51

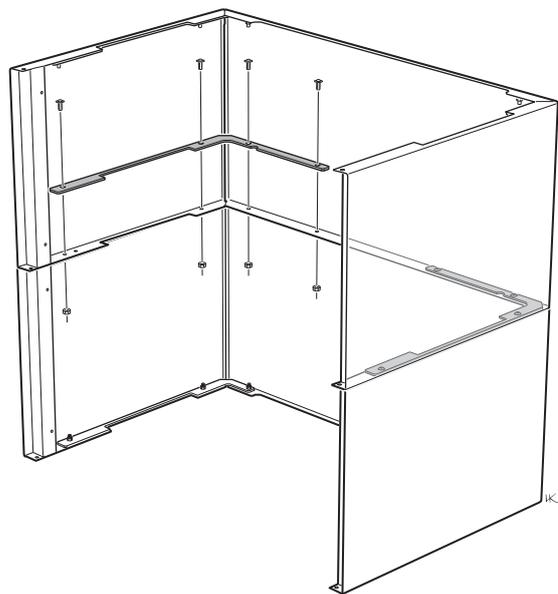
6



x 12
Nut M5
Tool 8 mm

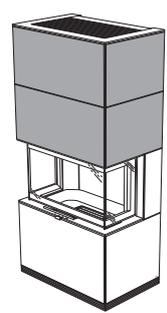


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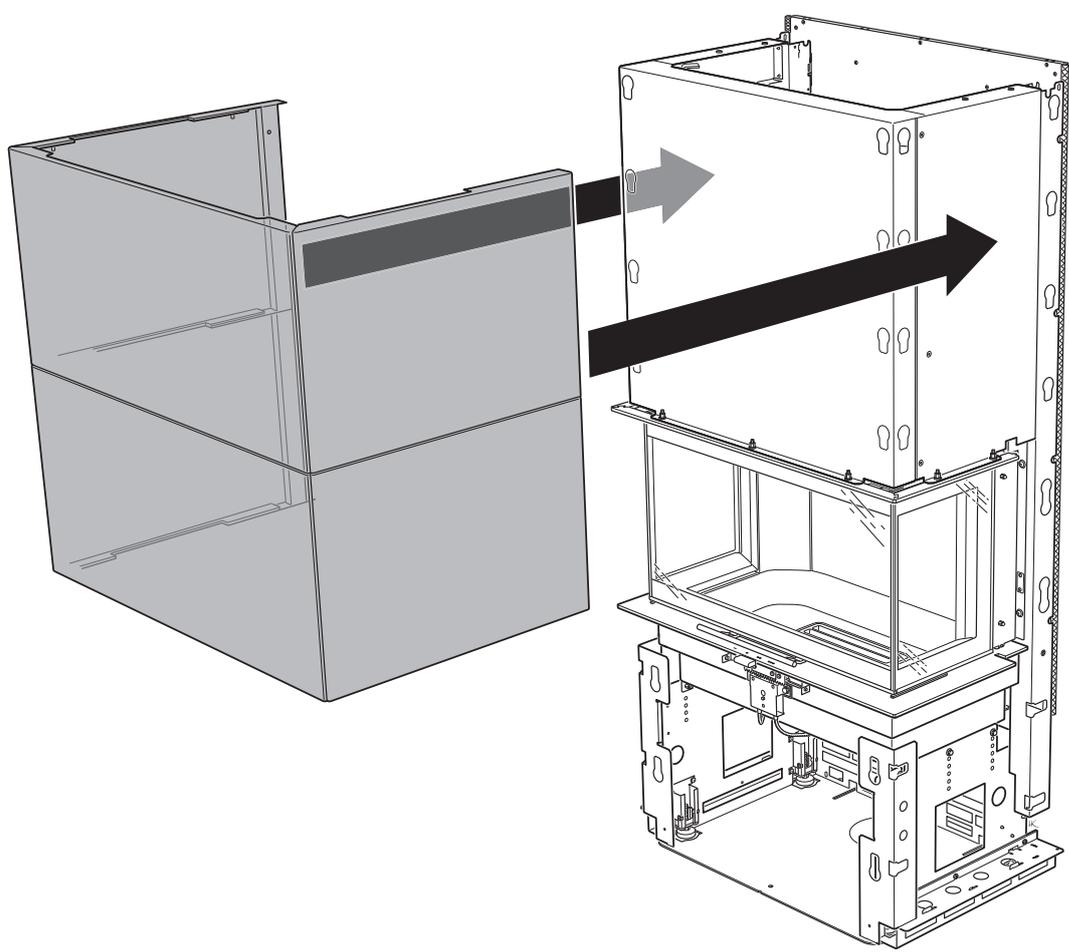
x 8
M5 x 12
Allen screw 3

x 8
Nut M5
Tool 8 mm

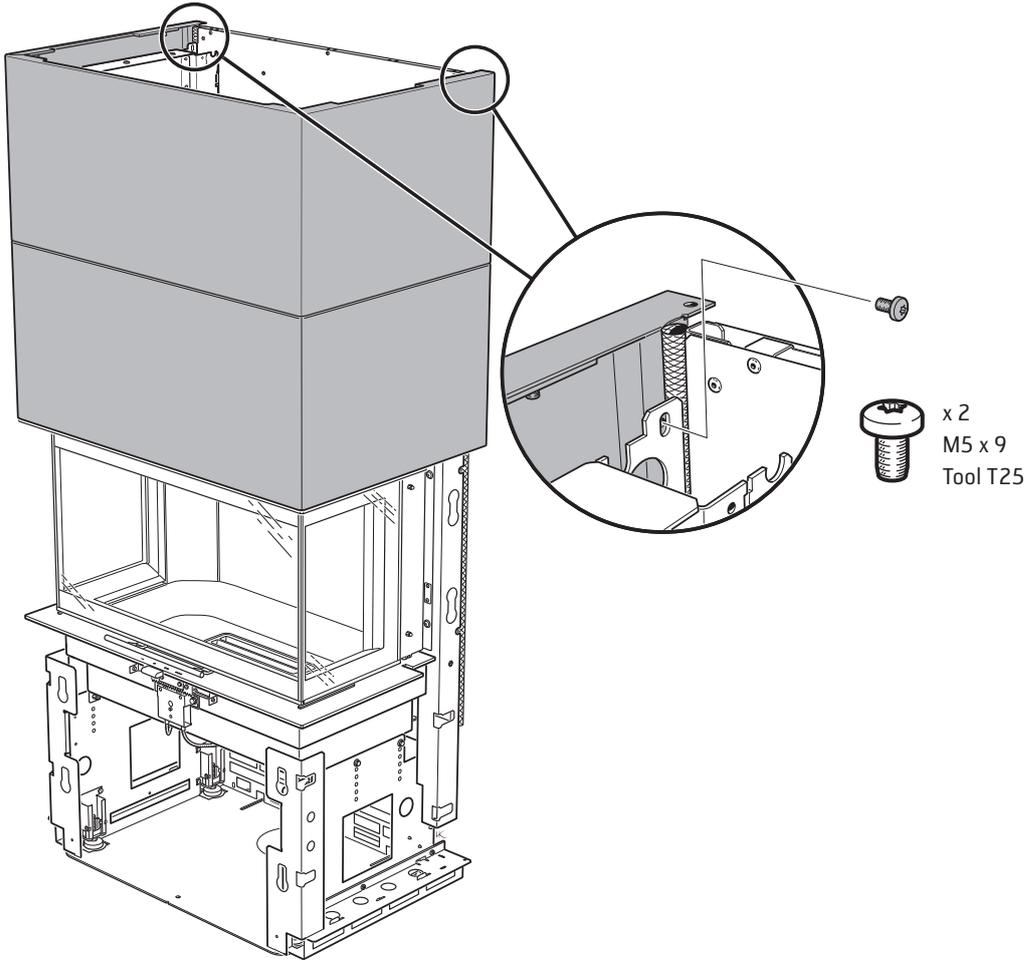


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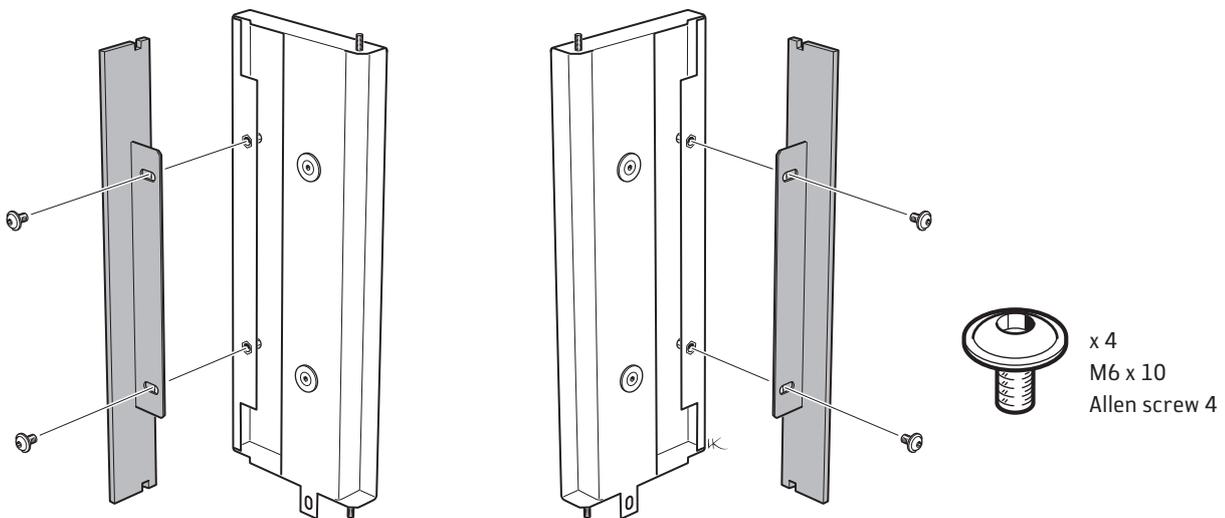
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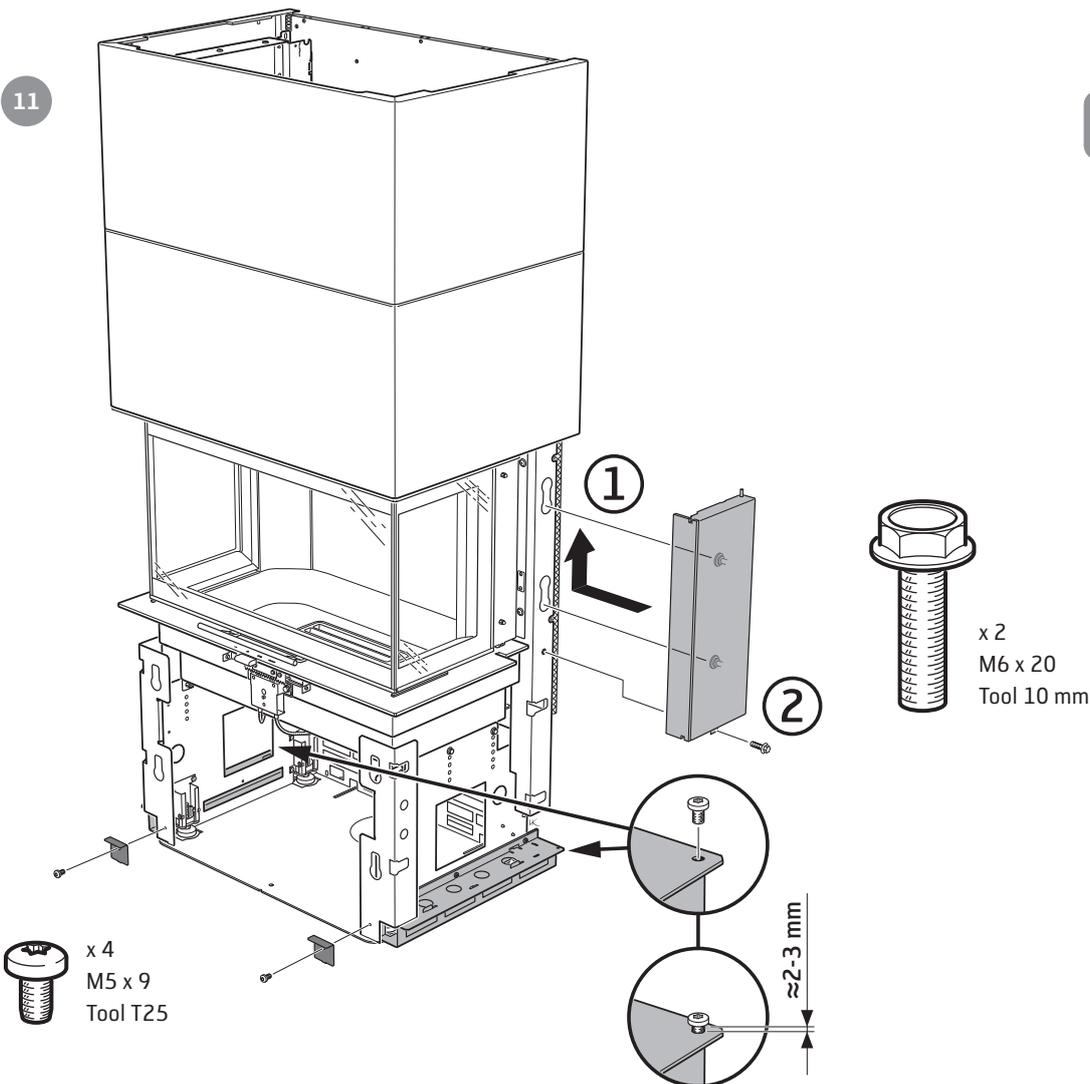


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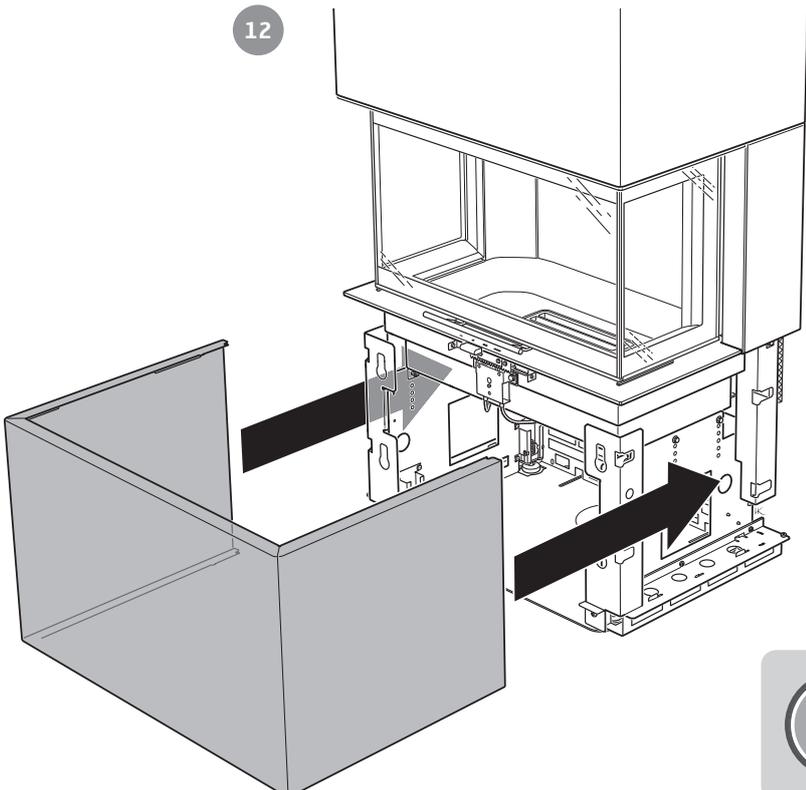


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11



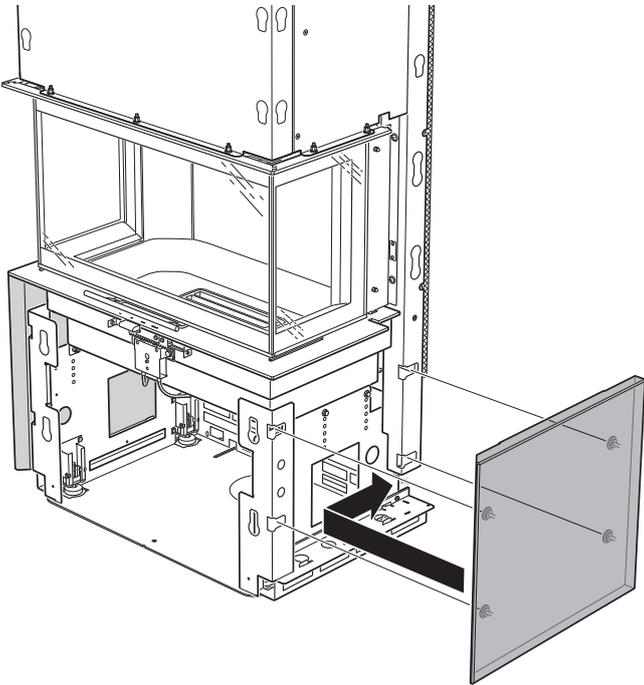
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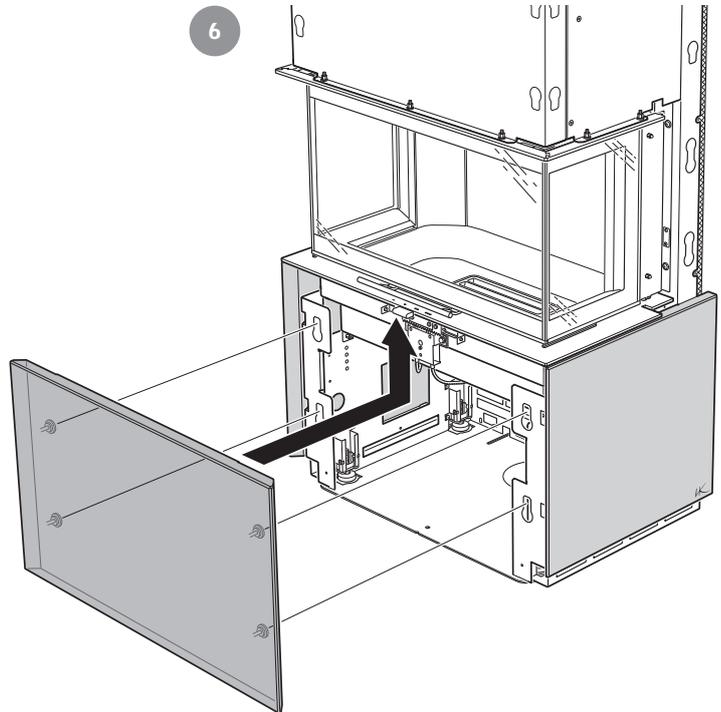
 Turn to page 19 for installation instructions for the grate and top.

...continued from page 12.

5

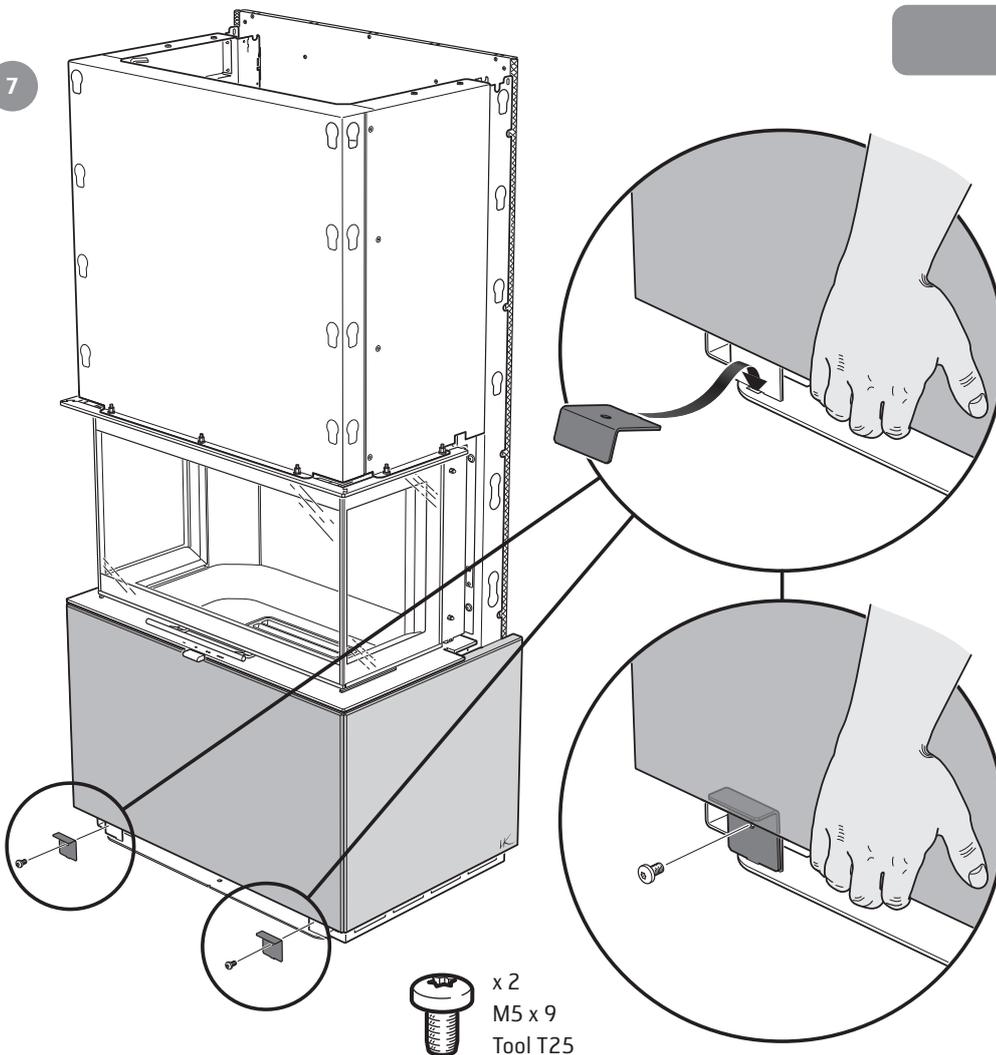


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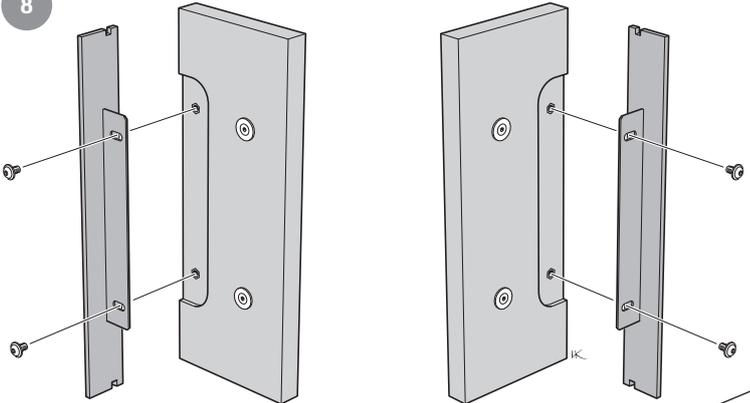
Ci51A / Ci51T

7



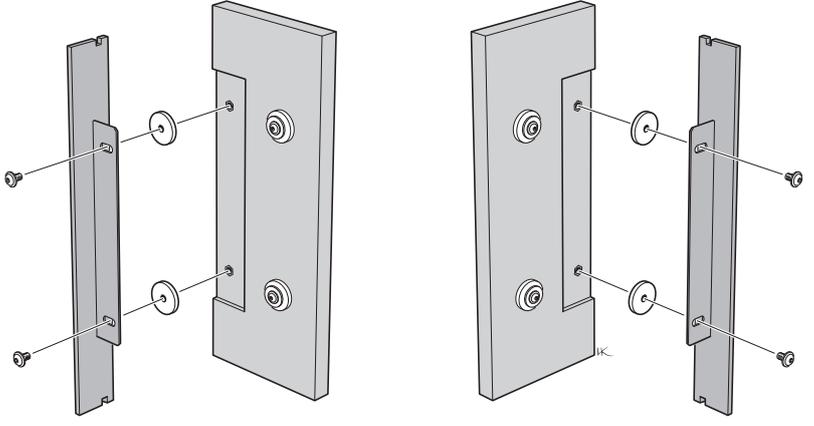
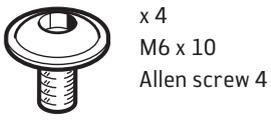
x 2
M5 x 9
Tool T25

8

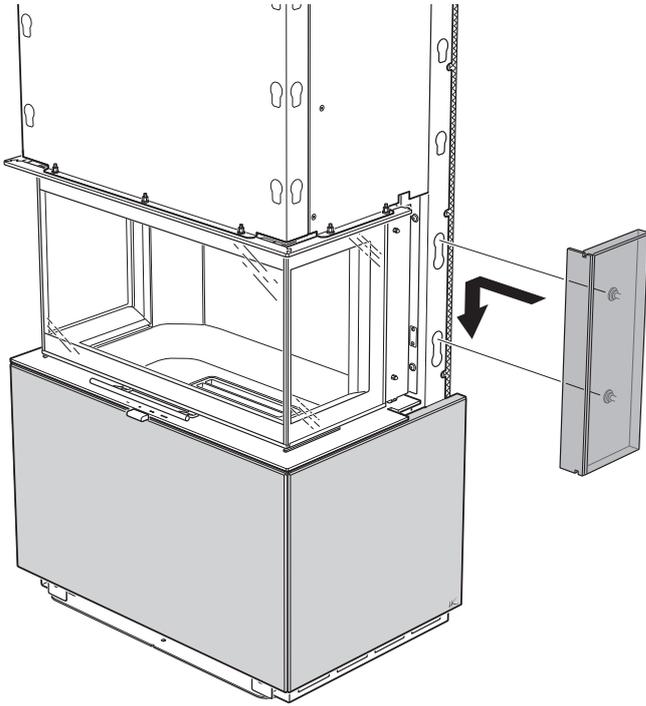


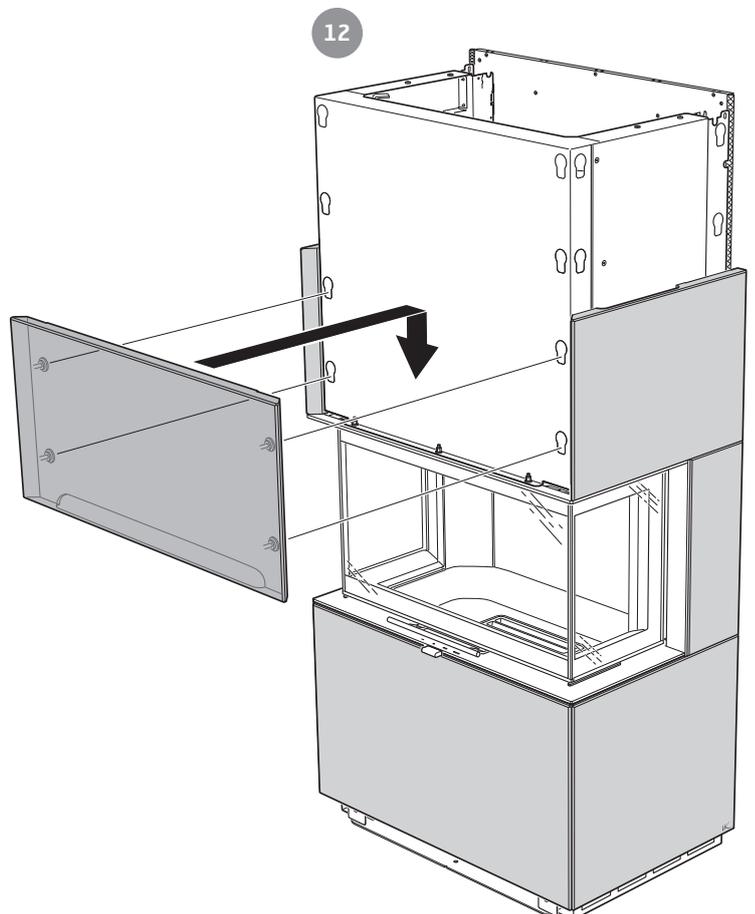
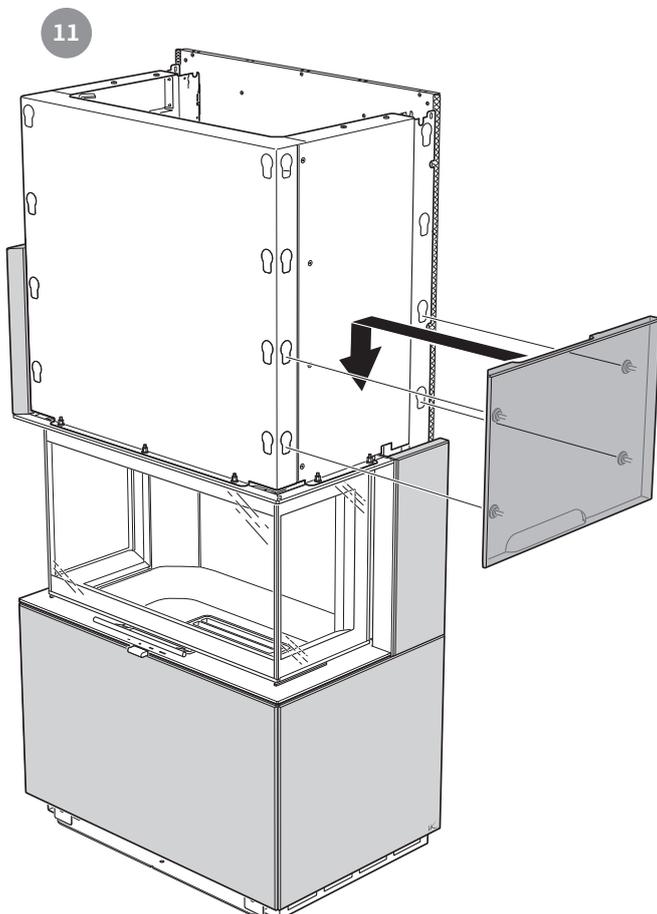
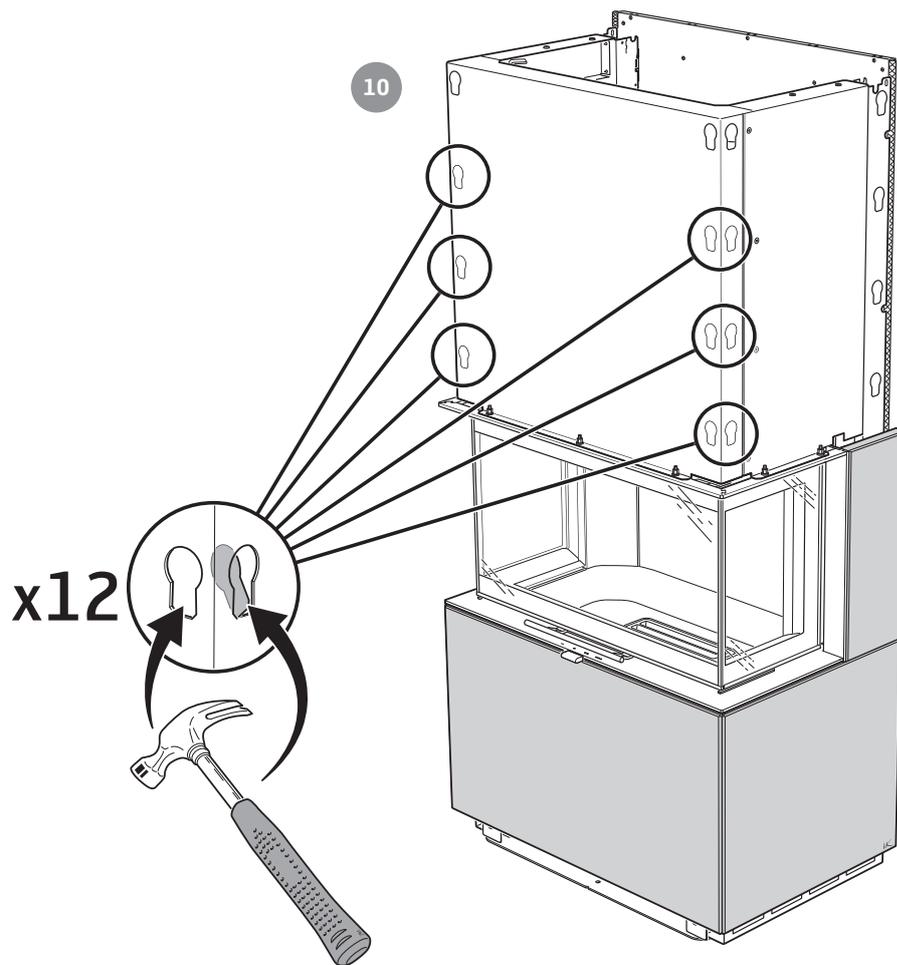
Ci51T

Ci51A

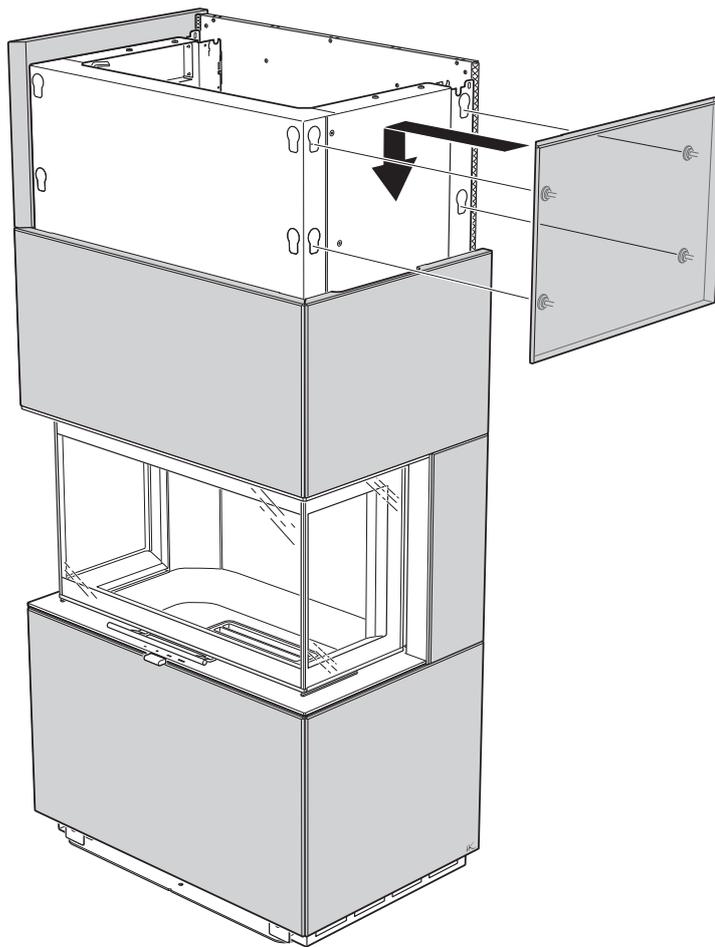


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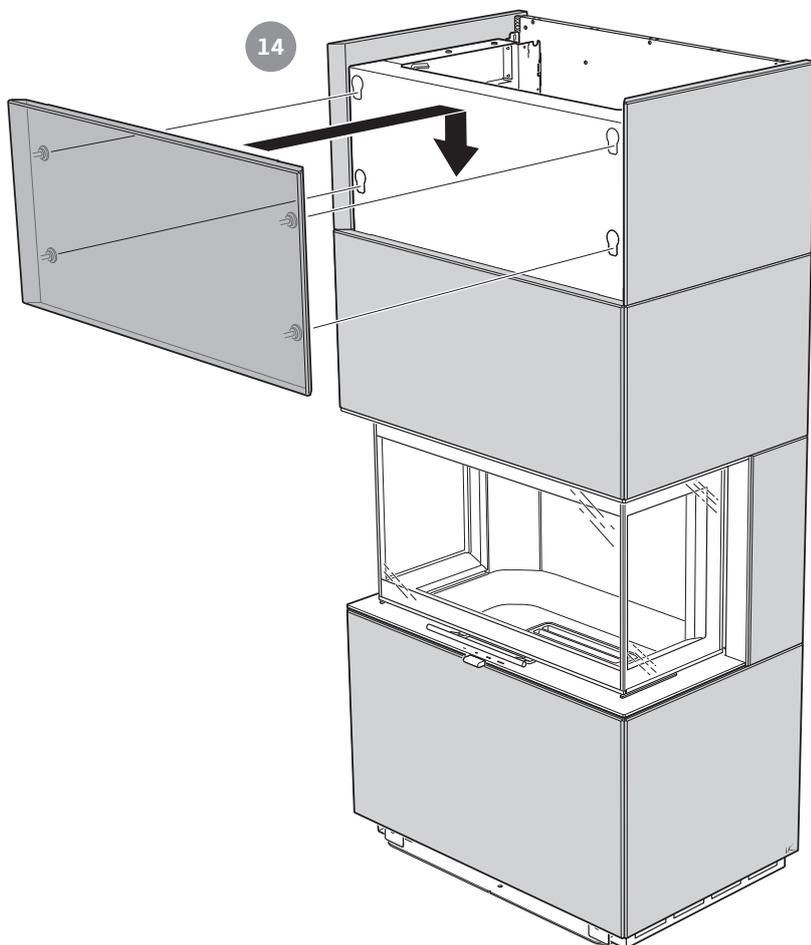




13

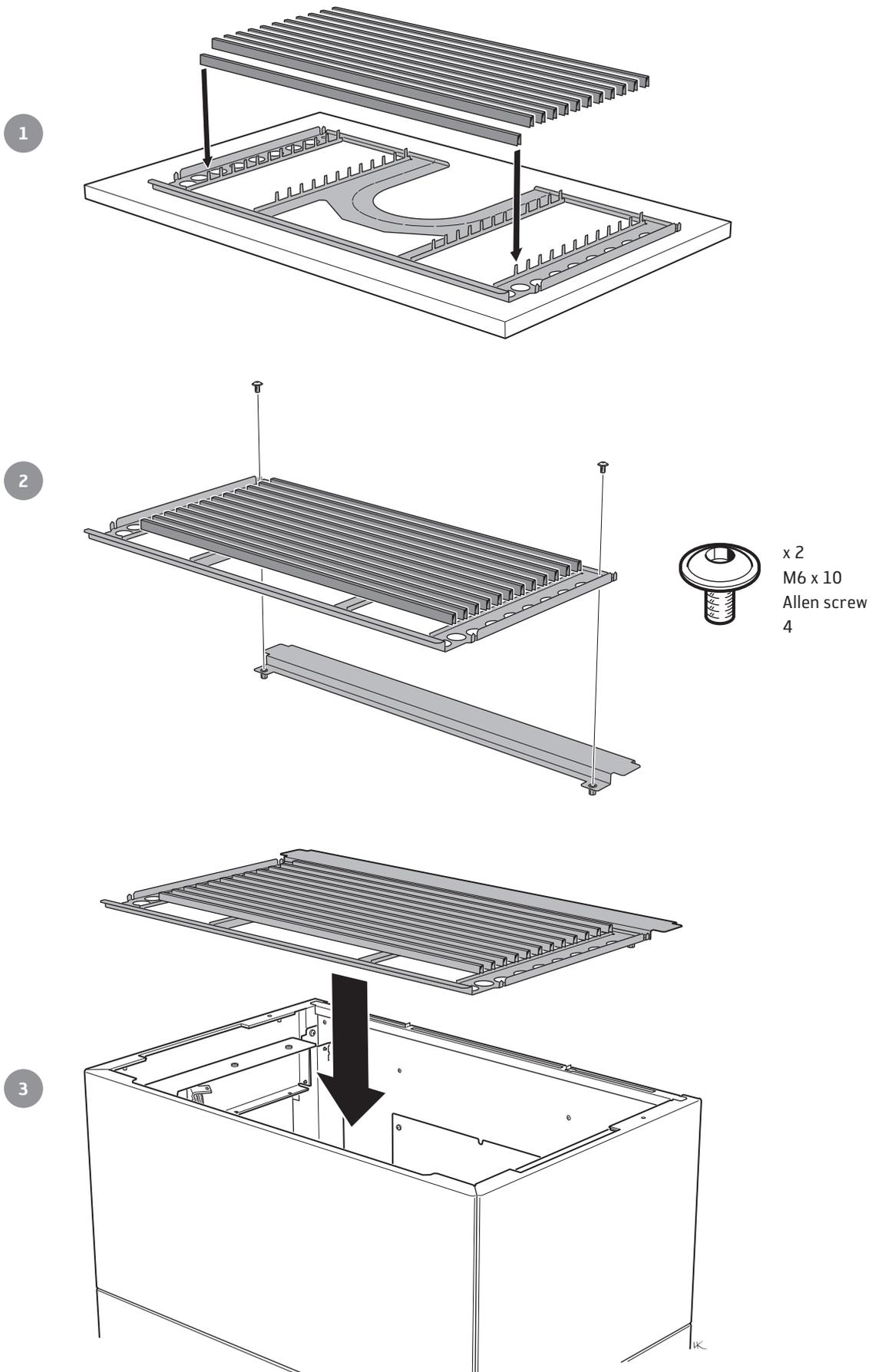


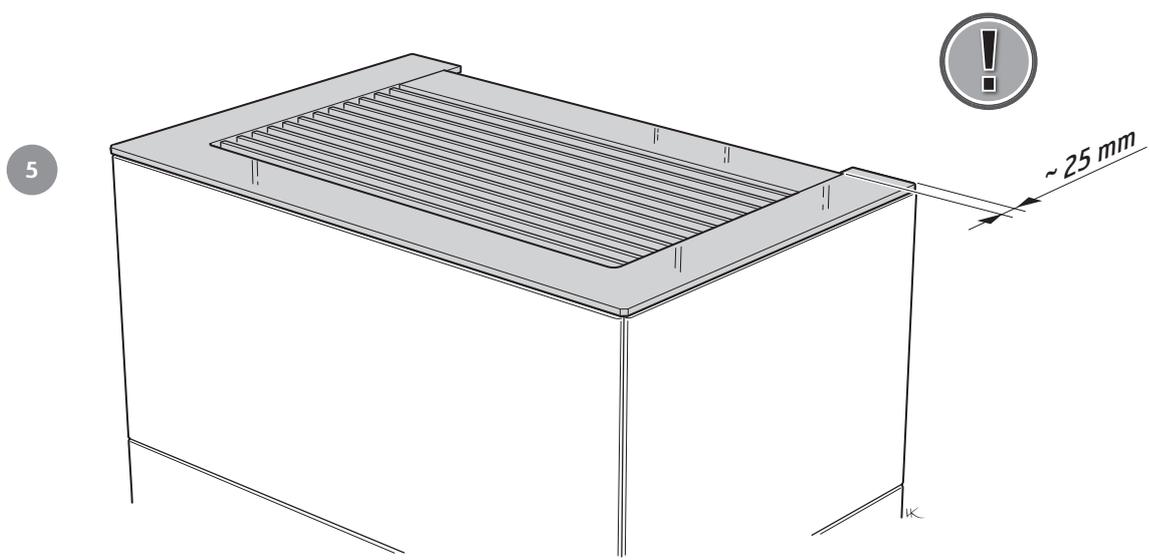
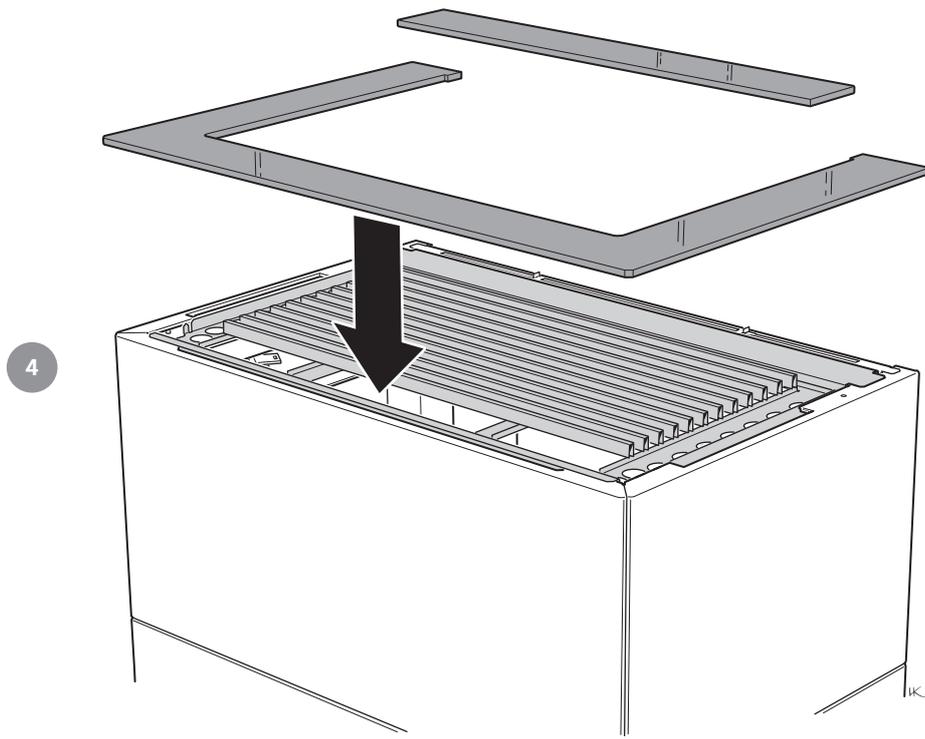
14



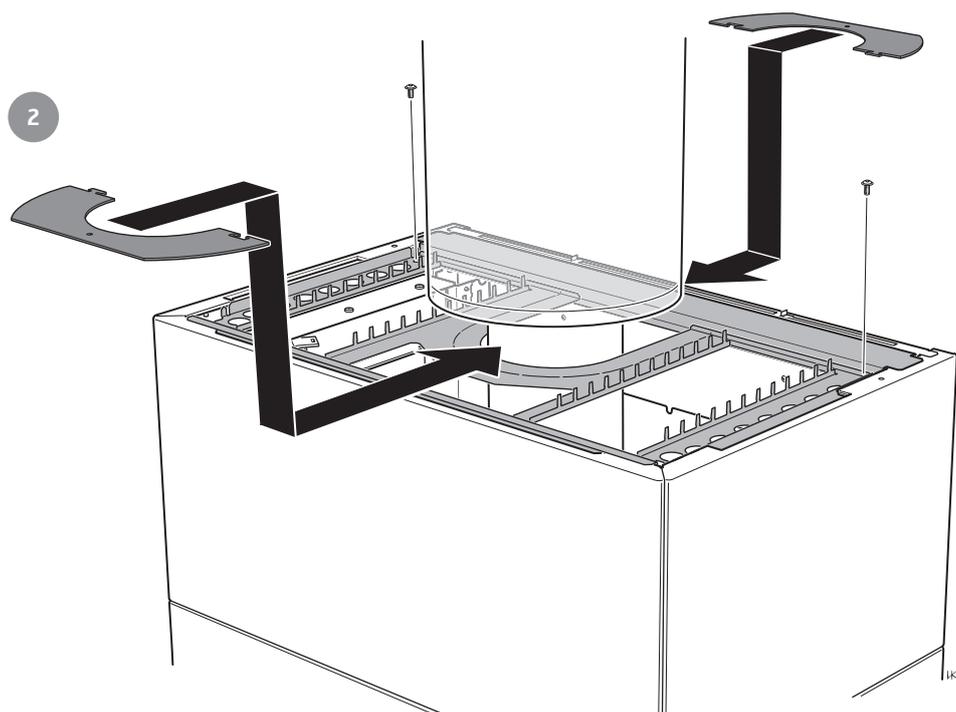
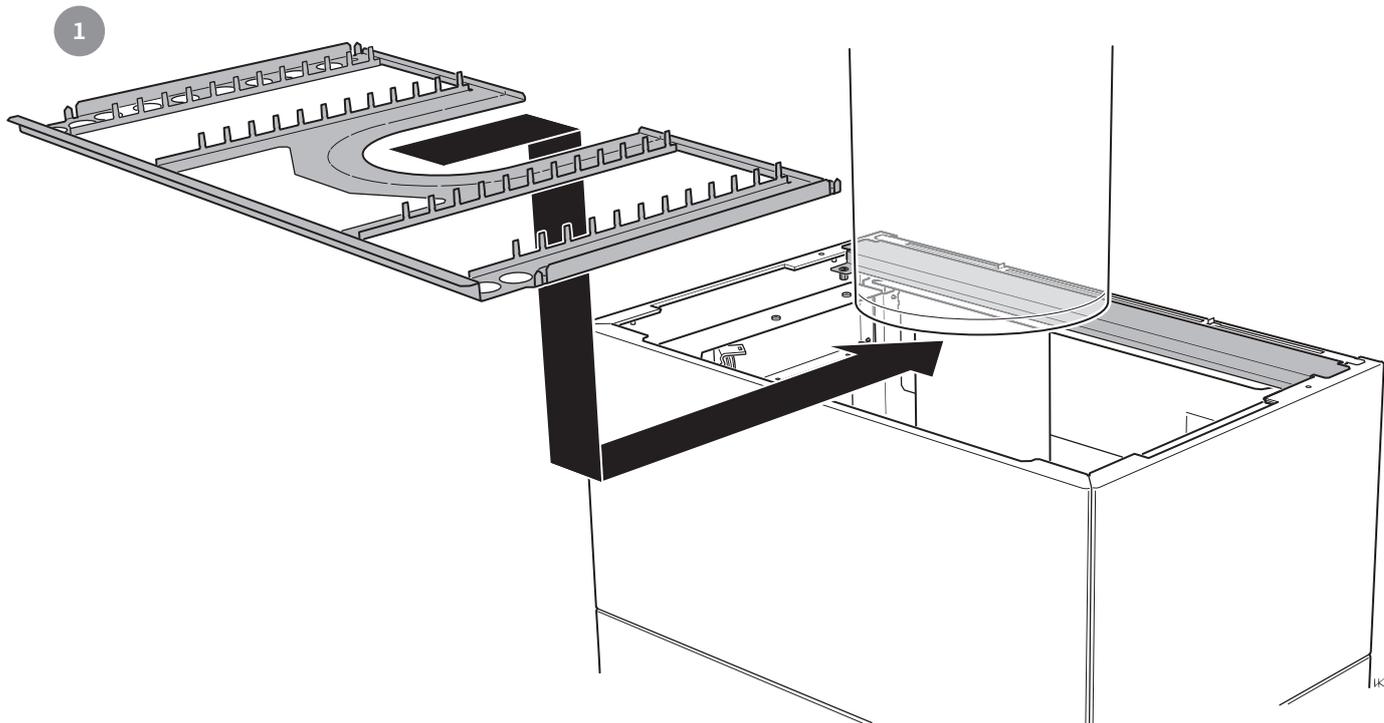
Assembling the grate and top

If connecting at the rear

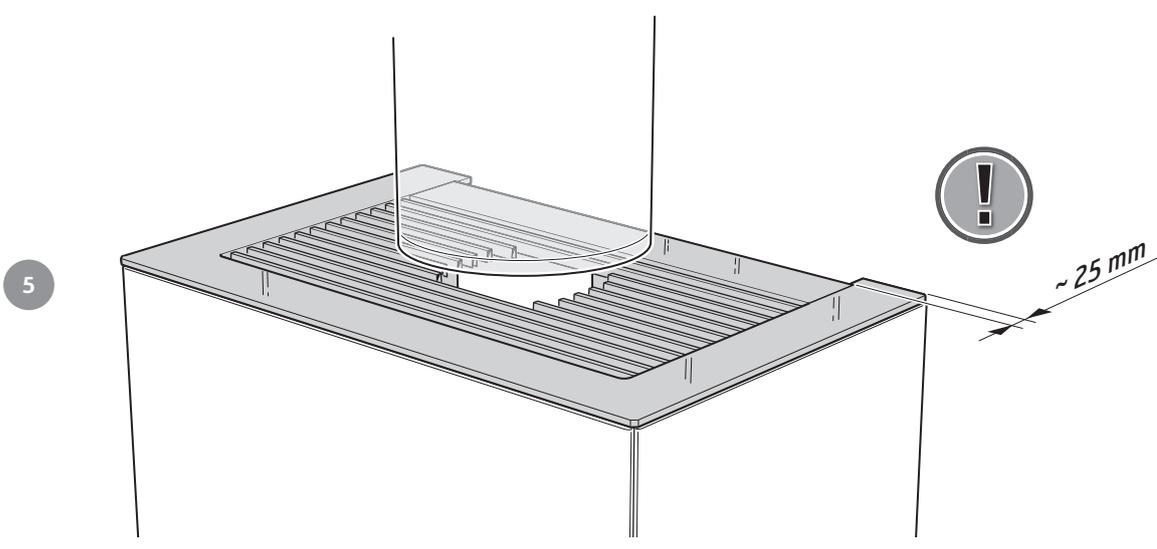
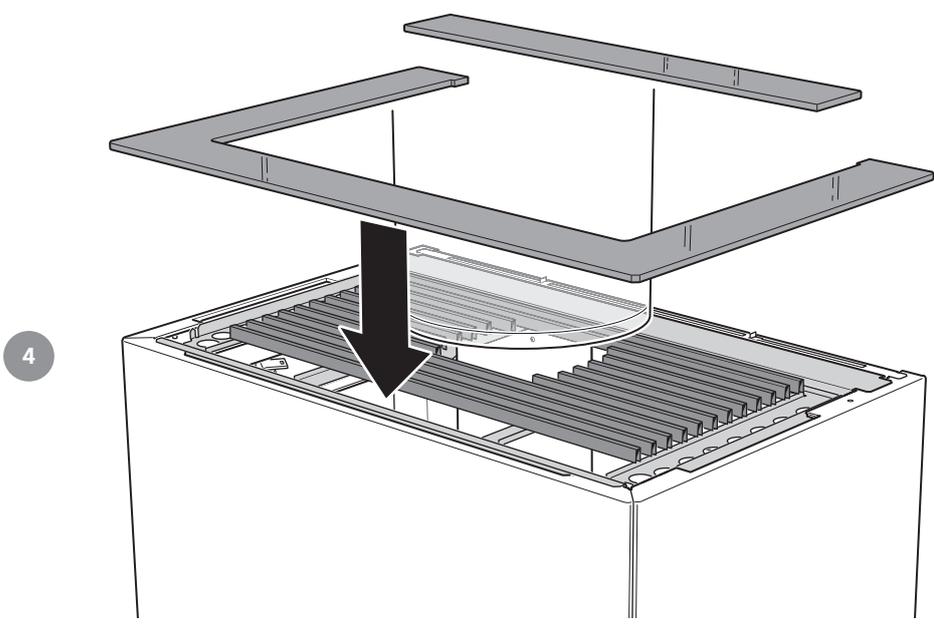
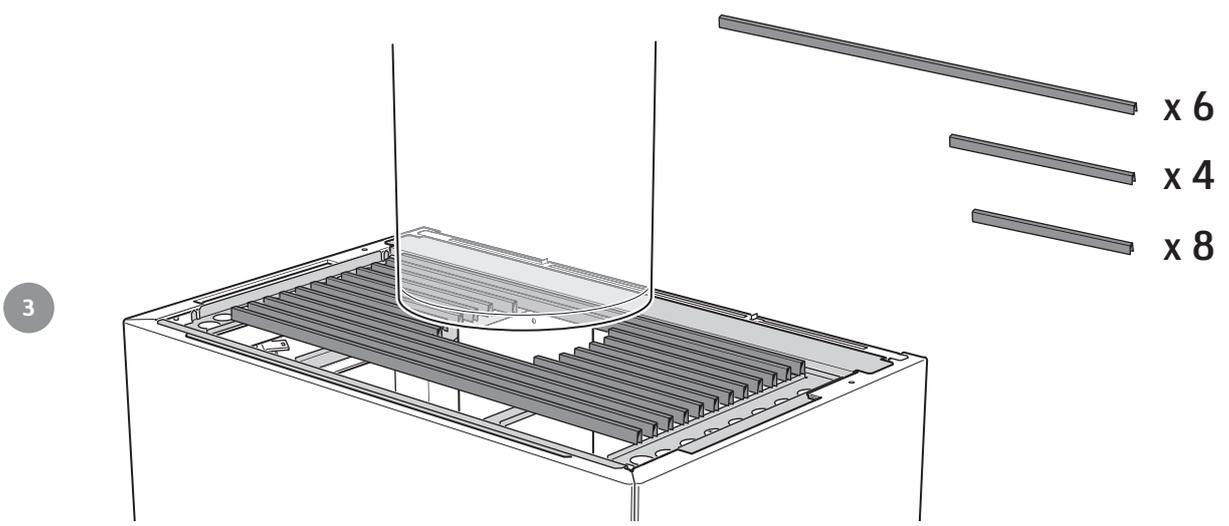




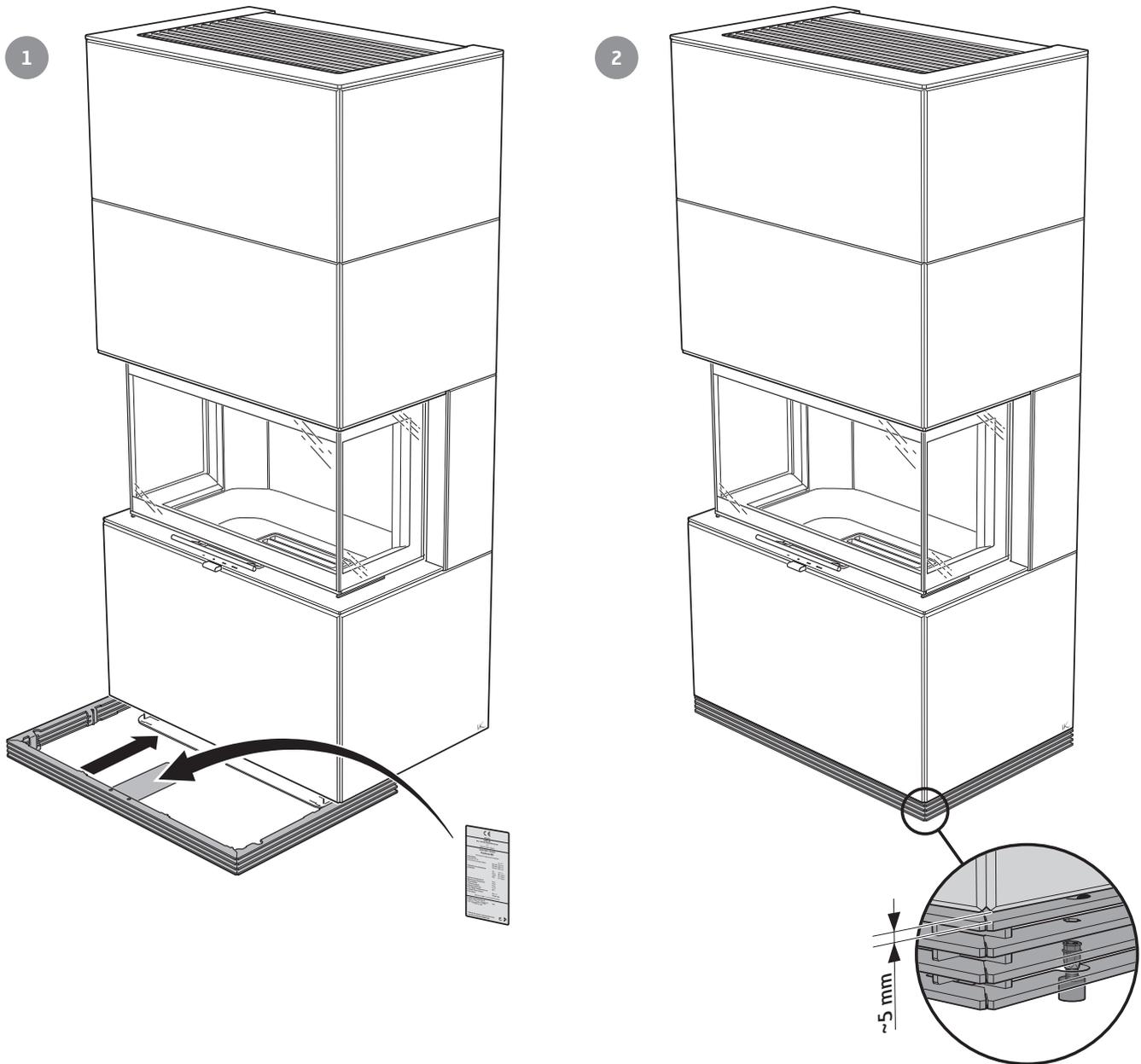
For top connection



x 2
M6 x 10
Allen screw
4



Disc base



Final inspection of the installation

When it has been installed, the stove must be inspected by an authorised inspection body before it can be used. You should also read the "Lighting instructions" before lighting the stove for the first time.

Contura

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