



R500

INSTALLATION MANUAL (ENGLISH)

**RAIS**<sup>®</sup>

attika<sup>®</sup>  
FEUERKULTUR

## PRODUCTION NUMBER

The production number can be found on the frame under the door and at one of the front pages of the user manual.



## THIS MANUAL APPLIES TO THE FOLLOWING MODELS:

- R500 (front, corner (right/left) or three-sided model)



|                                                   |    |
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## INSTALLATION GUIDE

Thank you for choosing your new RAIS or ATTIKA product! This installation instructions manual will ensure that your fireplace insert is installed correctly and that it will provide you with comfort and pleasure for many years to come.

### GENERAL

It is important to correctly install the fireplace insert out of consideration for both the environment and personal safety. The installation must comply with all local rules and regulations, including those that refer to national and European standards. A certified chimney sweeper should be contacted before set-up. No unauthorised alterations may be made to the fireplace insert.

Upon receipt, inspect the stove for any transport damage. Do not install the stove until you have checked it thoroughly.

### FLOOR CONSTRUCTION

The floor structure must be able to support the weight of the fireplace insert and a chimney, if required. If the existing floor structure does not meet this requirement, suitable measures must be taken (e.g. installation of a load distribution plate). If in doubt, contact a building expert.

National and local regulations must be complied with, including the size of the non-flammable plate that must cover the flammable floor in front of the fireplace insert to protect the floor from falling embers.

### DISTANCE TO COMBUSTIBLE MATERIAL

The fireplace insert must be positioned at a safe distance from flammable material. Due to risk of fire, flammable items (e.g. furniture) may not be positioned closer to the insert than specified in the sections on placement. When deciding where to install your RAIS/ATTIKA fireplace insert, you should consider being able to heat other rooms in your home to get the most out of your new fireplace insert.

## VENTILATING SYSTEMS

The stove needs permanent and sufficient air to operate safely and efficiently. A permanent air supply can be installed in the room for the stove's combustion air - through the AirSystem connection. Under no circumstances should this air supply be closed during operation. Note that any mechanical extraction such as a cooker hood can reduce the air supply. The stove has an air consumption of min. 16 m<sup>3</sup>/h.

### CHIMNEY

As a minimum, the chimney must be constructed of T400-N1-D-50050-G100 flue pipe, and be tall enough that the draft conditions are in order, i.e. 12 pascal to 18 pascal. If the recommended chimney draught cannot be achieved, problems of smoke puffing from the door may arise when heating. The collar is 150 mm in diameter. Remember: there must be unobstructed access to the access door on the chimney.

If the draught is too strong, it is advisable to equip the chimney with a regulating damper. If a regulating damper is fitted, you must ensure that there is a free flow-through area of at least 20 cm<sup>2</sup> when the regulating damper is closed.

The length of the chimney, calculated from the top of the fireplace insert should not be less than 3 metres and must be at least 80 cm above the roof ridge. If the chimney is placed on the side of the house, the top of the chimney must never be lower than the roof ridge or the roof's highest point. Note that there are often national and local regulations relating to houses with thatched roofs.

Always make sure to comply with applicable standards (EN 15287-1:2023 and EN 15287-2:2023) for chimney installation. It is also important to check the correct functioning of the chimney according to EN 13384-2:2015+A1:2019 based on the individual solution on site

### ATTENTION!

The appliance shall not be installed with ventilating systems which have pressure below -15 Pa.



## ATTENTION!

Before the fireplace insert may be put to use, the set-up must be reported to your local chimney sweeper.



## ATTENTION!

RAIS/ATTIKA recommends having the insert installed by an authorised technician. Please ask your dealer for further information.



### MALFUNCTIONS

If you are experiencing disturbances, some of the most common causes are listed below.

#### SMOKE SPILLAGE AROUND THE DOOR

- This may be due to insufficient draft in the chimney <12Pa
- Check whether the flue or chimney is blocked
- Check whether the hood is switched on and, if so, switch it off and open a window / door near the stove for a short period.

#### SOOT ON GLASS

- Excessively wet firewood
- The damper regulation is too low
- Ensure proper heating of the stove when lighting, prior to closing the door

#### STOVE IS BURNING TOO STRONG

- Leak around the door seal
- Chimney draft too large >18 Pa, draft regulator should be installed.
- The damper is not regulated down enough

#### STOVE IS BURNING TOO WEAK

- Insufficient wood
- Insufficient air supply for room ventilation
- Unclean smoke flue
- Leaky chimney
- Leakage between chimney and flue

#### INSUFFICIENT DRAUGHT IN THE CHIMNEY

- Insufficient temperature difference, e.g., due to poorly insulated chimney
- High outside temperature, e.g., in the summer
- Absence of wind
- The chimney is too low and sheltered
- Leaks or other false air in the chimney
- Chimney and flue clogged
- The house lacks ventilation (lack of fresh air supply)
- Negative smoke extraction (poor draft conditions)

With a cold chimney or severe weather conditions, the poor draught can be compensated by supplying the stove with more air than usual.

If the interruptions persists, we recommend that you contact your RAIS dealer or chimneysweep.

### SPARE PARTS

You can view the spare parts we offer by scanning the QR code if you need new ones for your product. The warranty disappears if replacement parts are used that are not recommended by RAIS. Your RAIS dealer is able to provide spare parts for all interchangeable parts.



**SPECIFICATIONS**

DTI Ref.: 300-ELAB-2555-EN

R500

| RAIS®                                            |        | Nominal                 |         | Standard: EN16510-2-2:2022                                                           |
|--------------------------------------------------|--------|-------------------------|---------|--------------------------------------------------------------------------------------|
|                                                  |        | Wood logs               |         | Fuel                                                                                 |
| P                                                | kW     | 5.6                     |         | Nominal heat output                                                                  |
| P <sub>SH</sub>                                  | kW     | 5.6                     |         | Space heat output                                                                    |
| η                                                | %      | ≥ 75                    |         | Efficiency                                                                           |
| η <sub>s</sub>                                   | %      | ≥ 65                    |         | Seasonal space heat efficiency                                                       |
| EEI                                              | -      | 102                     | Class A | Energy efficiency index                                                              |
| CO (13% O <sub>2</sub> )                         | mg/Nm³ | ≤ 1500                  |         | CO emission at 13 % oxygen content                                                   |
| NO <sub>x</sub> (13% O <sub>2</sub> )            | mg/Nm³ | ≤ 200                   |         | NO <sub>x</sub> emission at 13 % oxygen content                                      |
| OGC (13% O <sub>2</sub> )                        | mg/Nm³ | ≤ 120                   |         | Hydrocarbon emission at 13 % oxygen content                                          |
| PM (13% O <sub>2</sub> )                         | mg/Nm³ | ≤ 40                    |         | Particulate matter emission at 13 % oxygen content                                   |
| p                                                | Pa     | 12                      |         | Minimum flue draught                                                                 |
| s                                                | mm     | 50*                     |         | Material type and thickness of protective insulation                                 |
| T <sub>s</sub>                                   | °C     | 356                     |         | Flue gas outlet temperature at the flue pipe collar                                  |
| Tclass                                           | -      | T400 G                  |         | Chimney designation according to the appropriate chimney standard                    |
| Φ <sub>f,g</sub>                                 | g/s    | 5.7                     |         | Flue gas mass flow                                                                   |
| V <sub>h</sub>                                   | m³/h   | 0                       |         | Standing air loss                                                                    |
| CON or INT                                       | -      | INT                     |         | Intermittent operation (INT)                                                         |
| t                                                | min    | 47                      |         | Fuelling time                                                                        |
| M <sub>a</sub>                                   | kg     | 1.4                     |         | Recommended wood quantity when filling (Divided into 2-3 pieces of firewood)         |
| d <sub>out</sub>                                 | mm     | 150                     |         | The diameter of the flue pipe collar                                                 |
| L, W, H                                          | mm     | 720/699/678 x 427 x 480 |         | Overall dimensions of the appliance (length, height, width)                          |
| L <sub>c</sub> , W <sub>c</sub> , H <sub>c</sub> | mm     | 550 x 280 x 195**       |         | Combustion chamber (length, height, width)                                           |
| m                                                | kg     | 96                      |         | Mass of the appliance                                                                |
| Type                                             | -      | BE                      |         | Appliance intended to be supplied with cumbustion air via a combus-<br>tion air duct |

\*The material (panels/brick) needs to be complied with an insulation value greater than 0,03 m<sup>2</sup> x K/W. For more information about installation materials, see the installation section in the installation manual.

\*\*Max. load limit

The fireplace insert was tested and approved by:

DTI - Danish Technological Institute

Teknologiparken Kongsvang Allé 29

8000 Aarhus C, Denmark

www.dti.dk

Tel.: +45 7220 2000, Fax: +45 7220 1019

| Set-up distances                                                                  |    | Front | Corner | Three-sided |                                                                                         |
|-----------------------------------------------------------------------------------|----|-------|--------|-------------|-----------------------------------------------------------------------------------------|
| $d_R$                                                                             | mm | 0-50* |        |             | Minimum distance from the back of the installation box to combustible material          |
| $d_S$                                                                             | mm | -     | 350    | 350         | Minimum distances from the sides to combustible material (with side glass)              |
|                                                                                   |    | 300   | 300    | -           | Minimum distances from the sides to combustible material (without side glass)           |
| $d_c$                                                                             | mm | 190   |        |             | Minimum distance from top convection opening to combustible material in the ceiling     |
| $d_P$                                                                             | mm | 850   | 850    | 850         | Minimum distances from the front to combustible material (Distance to furniture)        |
| $d_F$                                                                             | mm | 0**   |        |             | Minimum distances from the front to combustible material in bottom front radiation area |
| $d_L$                                                                             | mm | 0**   |        |             | Minimum distances from the front to combustible material in side front radiation area   |
| $d_B$                                                                             | mm | 350   |        |             | Minimum distance from the bottom edge of the door to the floor.                         |
| $d_{non}$                                                                         | mm | 50    |        |             | Minimum distances to non-combustible walls                                              |
|  |    |       |        |             | Read and follow the user operating instructions                                         |

\*Read the section about installation distances and installation dimensions.

\*\*0 mm: Since 65 K is not exceeded by radiation on the floor in front and/or on the side wall. Cf. EN16510 Note 3.

#### SHARED FLUE

**IMPORTANT!** it is **NOT** allowed to connect multiple stoves to the same chimney in the **UK**.

In other countries it is permitted to connect several stoves to the same chimney, provided that the two stoves have the same owner, as in an example where a house has two floors with one stove in the living room and one on the first floor. It is a requirement that the inlets must be positioned so that there is a clearance difference between them of at least 250 mm.



#### IN CASE OF MARKET CONTROL

The specifications are based on nominal test results. During the nominal test, an ignition and pre-fires are used to generate a basic glow layer of approximately 200 g prior to the test firing, which includes 1.4 kg of two pieces of firewood. From here, approximately 5 test cycles are carried out, each of which ends when the weight reaches about 50 g. The weight at the end of the cycle must not differ by more than 100 grammes from the previous cycle.

The user manual includes a more detailed description of how to conduct the nominal test.

#### DECLARATION OF PERFORMANCE



#### DECLARATION OF CONFORMITY



#### FRONT MODEL



#### CORNER MODEL



#### THREE-SIDED MODEL



#### RATING PLATE

All RAIS/attika stoves have a rating plate indicating the stove's distance to combustibles, efficiency etc. The nameplate can also be found by scanning the QR code.

## INSTALLATION DISTANCE IN CASE OF COMBUSTIBLE WALL

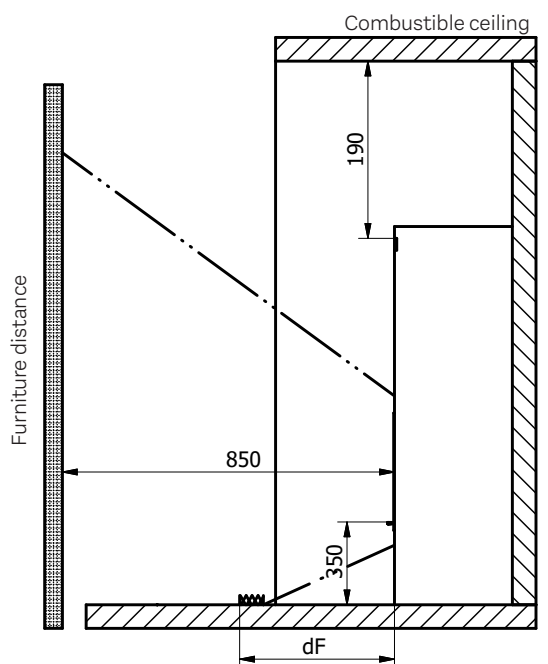
To clarify whether the stove installation wall is flammable or otherwise, contact your building architect or local building authorities. Please make sure that objects made of combustible materials (such as furniture) are not placed closer than the distances indicated in the following tables (fire risk).

## MINIMUM DISTANCE FOR CEILINGS AND FLOORS

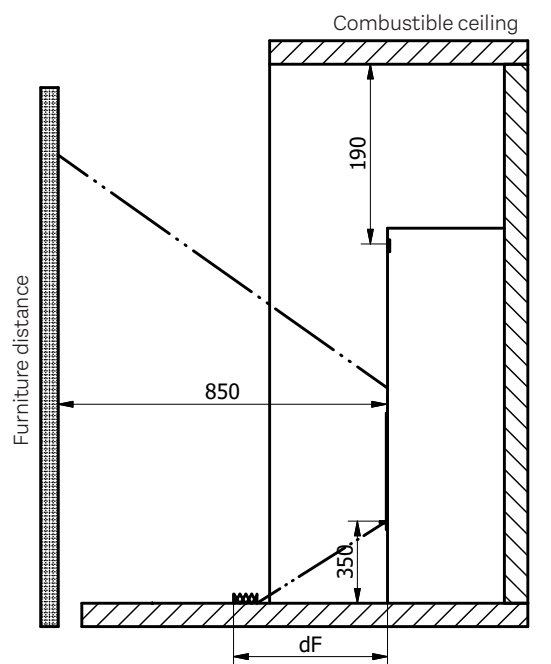
Distance to the floor from the door bottom is minimum 350 mm. There must be a minimum of 190 mm from the upper convection opening to the ceiling.

ENG

### R500 - FRONT MODEL

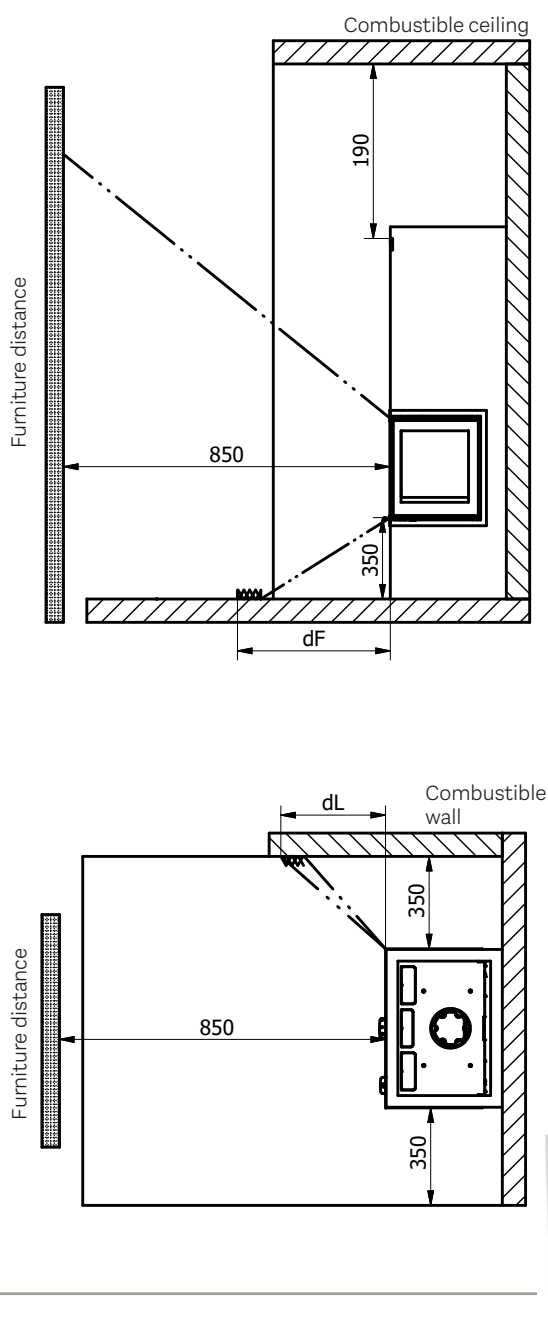


### R500 - CORNER MODEL



\*0 mm: As 65 K is not exceeded by radiation on the floor in front and/or on the side wall.

## R500 - THREE-SIDED MODEL

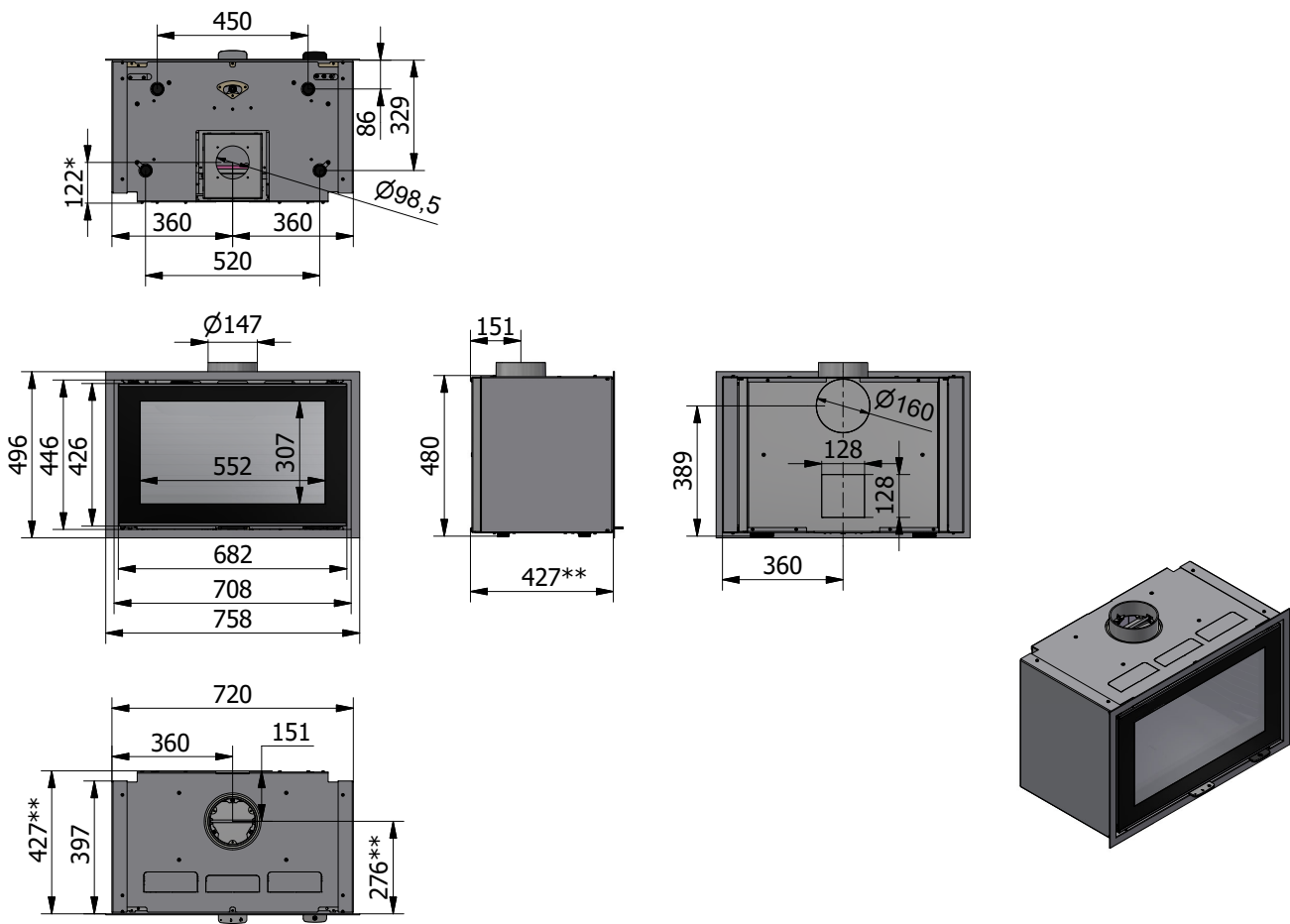


### IMPORTANT

Please note that the installation distances shown apply to the use of insulated chimneys down to the flue outlet. The final choice of Chimney solution may have a larger safety distance to the flammable material. The Chimney solution must always be installed in accordance with current building regulations and in a manner that ensures CE-marking compliance. Always make sure to follow all local precautions, including those referring to national and European standards.

\*0 mm: As 65 K is not exceeded by radiation on the floor in front and/or on the side wall.

DIMENSIONAL SKETCHES: R500 - FRONT MODEL

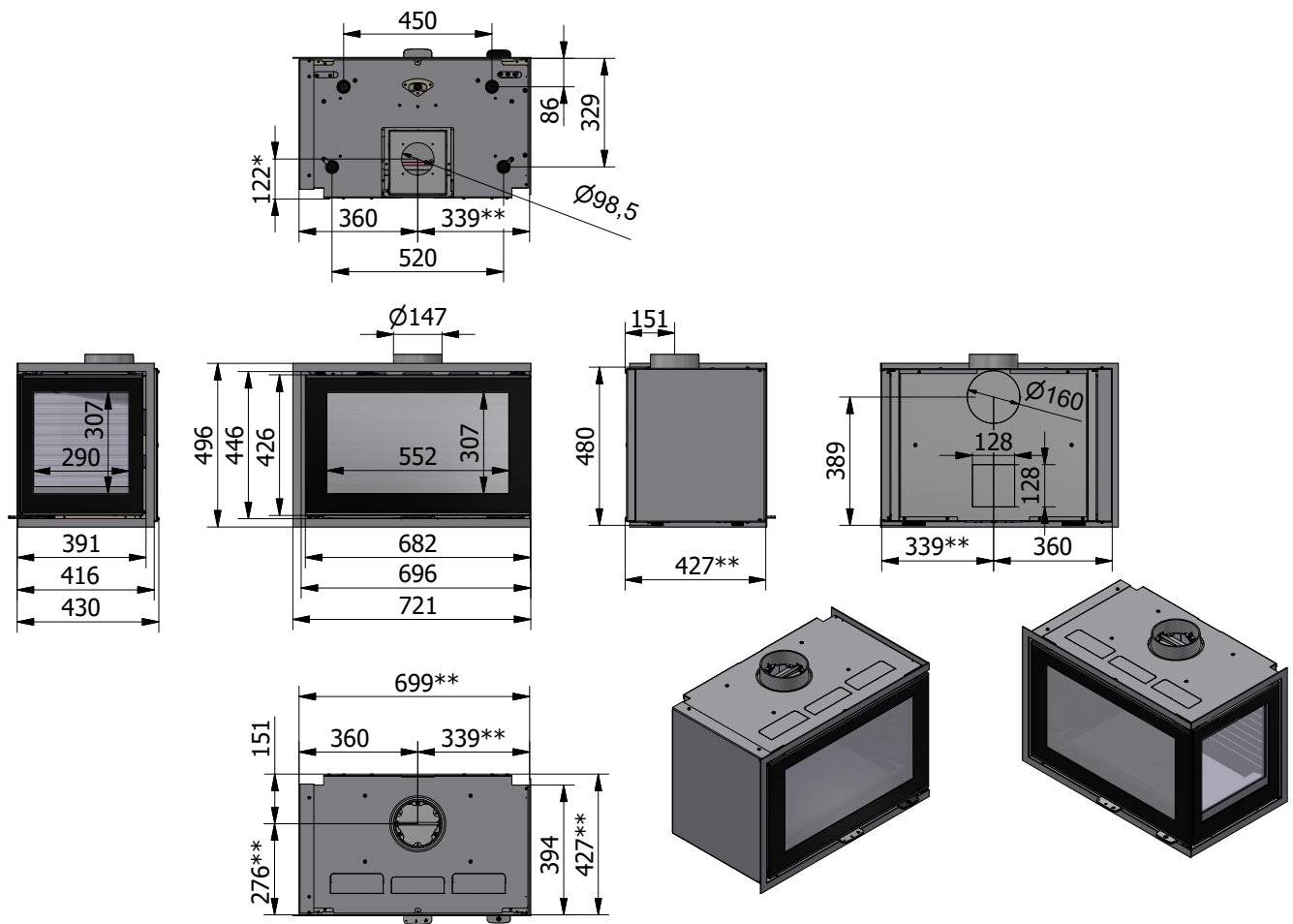


All dimensions are in mm.

\*AirSystem

\*\*Indside measure

**DIMENSIONAL SKETCHES: R500 - CORNER MODEL (RIGHT)**

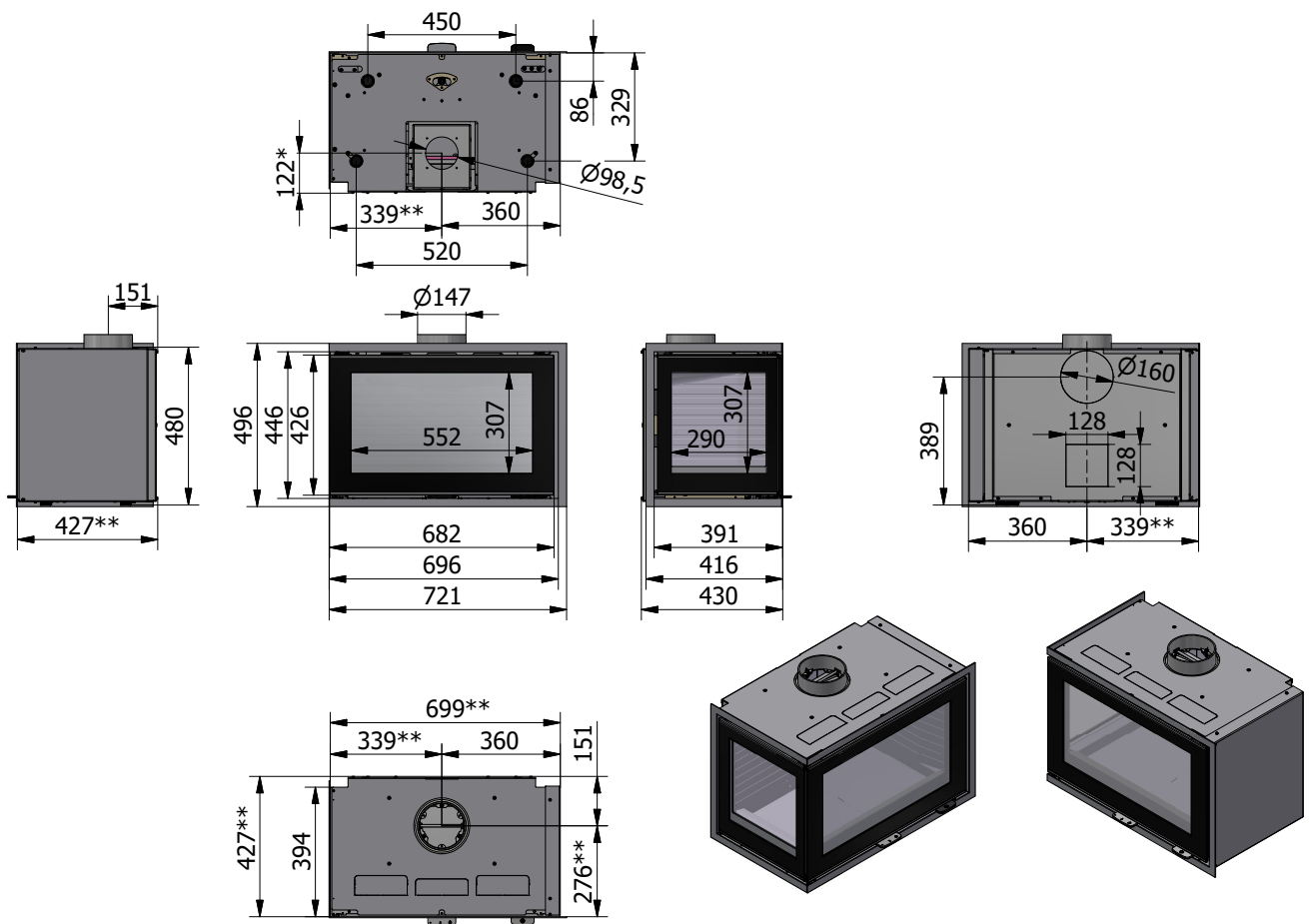


All dimensions are in mm.

\*AirSystem

\*\*Inside measure

DIMENSIONAL SKETCHES: R500 - CORNER MODEL (LEFT)

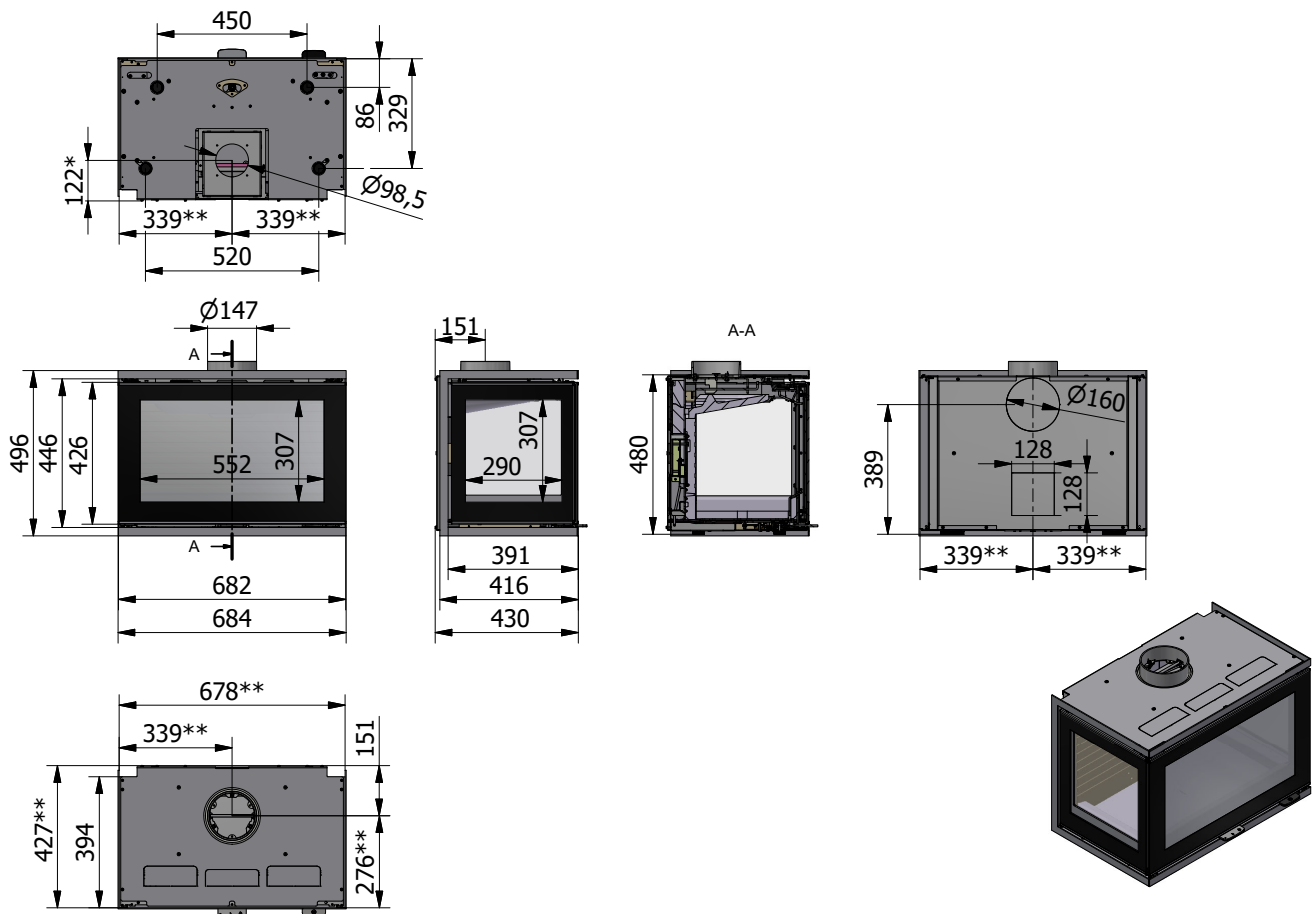


All dimensions are in mm.

\*AirSystem

\*\*Indside measure

DIMENSIONAL SKETCHES: R500 - THREE-SIDED MODEL



All dimensions are in mm.

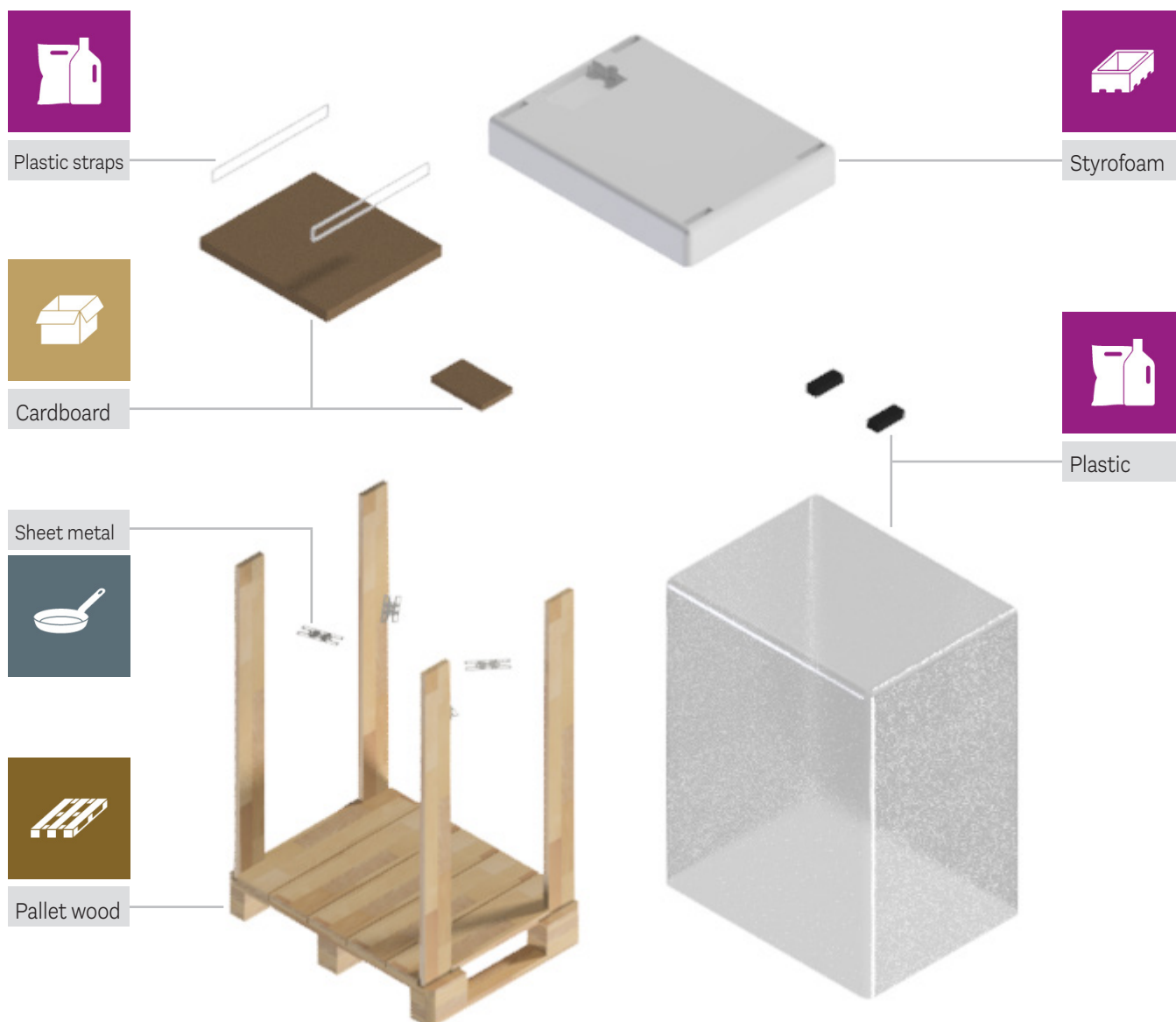
\*AirSystem

\*\*Indside measure



## RECYCLING OF PACKAGING

The fireplace insert is delivered in recyclable packaging. This packaging must be disposed of in accordance with national regulations relating to the disposal of waste.



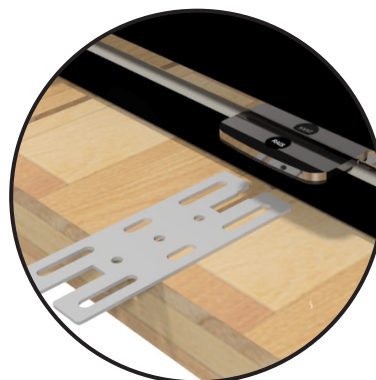
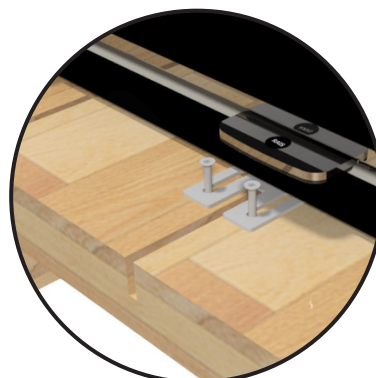
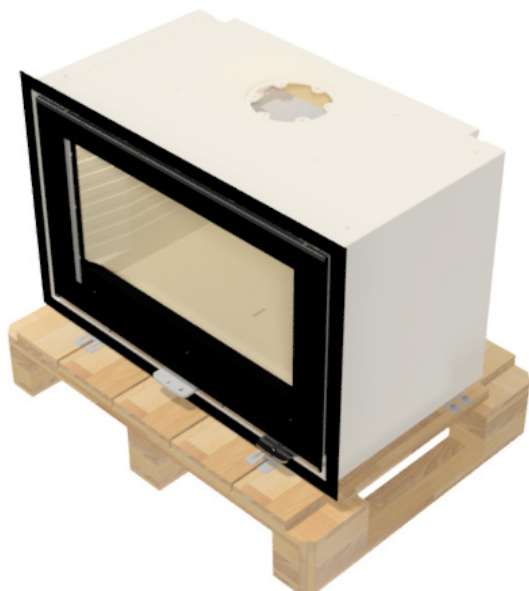
## DISPOSAL AFTER END OF LIFE

When your stove can no longer be used in the distant future, it is important that it is disposed of correctly. At the end of the user manual you will find an overview of how to dispose of the stove itself at the end of its service life.



## PACKAGING AT DELIVERY

Upon delivery, the fireplace insert is secured to a transport pallet using four transport safety fittings. The safety fittings are attached with screws which must be unscrewed. The safety fittings can then be removed.



## HEIGHT ADJUSTMENT

There are four adjustment screws underneath the appliance. Make sure the stove is level by using the adjustment screws.

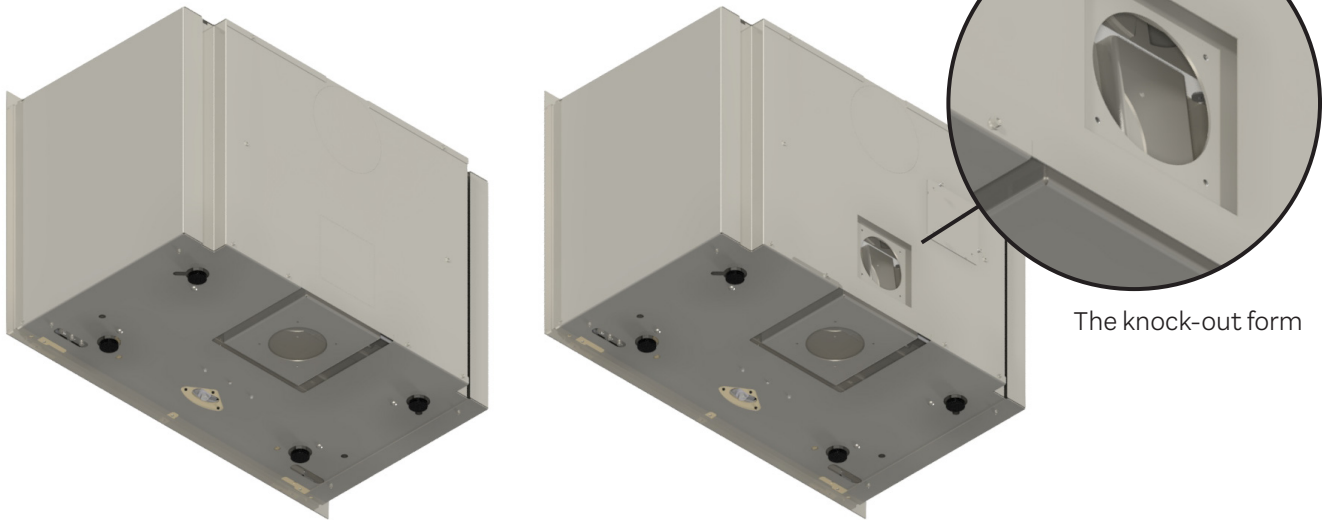


## AIR SUPPLY

If the adjustable feet are screwed all the way inn, the knock-out and the cover in the back shall be removed to provide optimal air supply for the combustion.

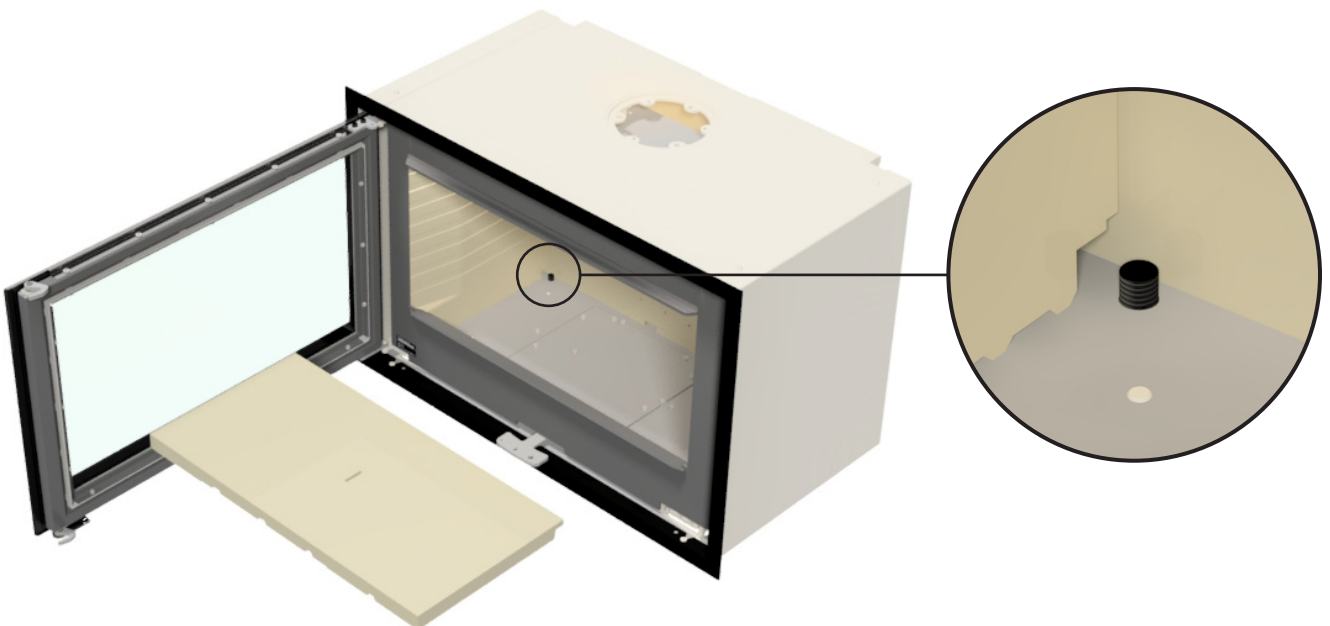
## ATTENTION

Only if external air connection (AirSystem) is NOT installed.



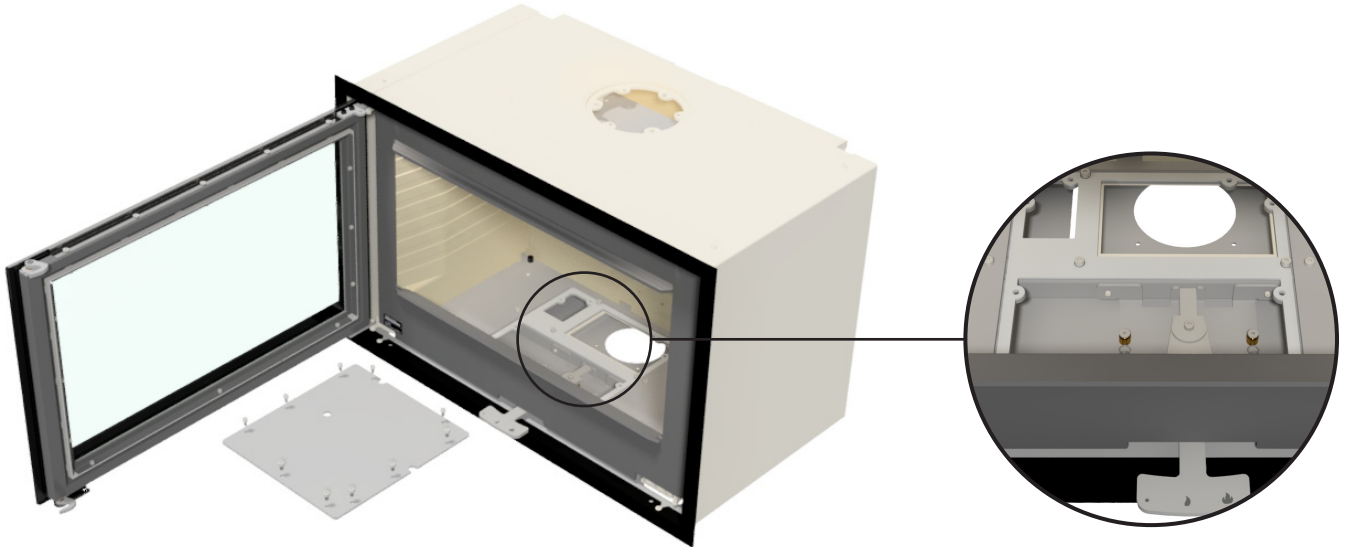
## HEIGHT ADJUSTMENT AFTER INSTALLATION

The height and straightness of the fireplace insert can be adjusted from inside the fireplace insert after the stove is placed, by removing the two bottom plates, now the four adjustable feet can be adjusted with a 4 mm allen key.



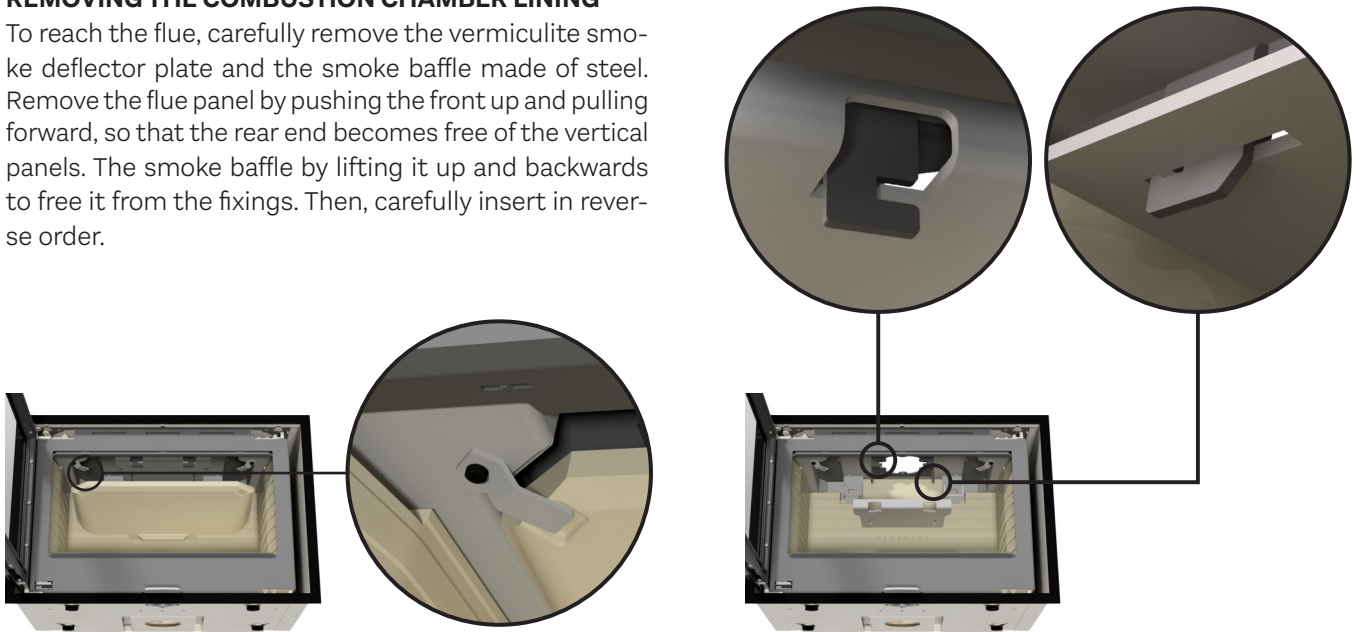
## SERVICE HATCH

There is access to the air damper handle and air damper wire through the service hatch at the bottom of the combustion chamber. Remove the combustion chamber lining and remove the screws from the service plate with a 4 mm allen key. There is now access to the damper handle and the damper wire under the combustion chamber.



## REMOVING THE COMBUSTION CHAMBER LINING

To reach the flue, carefully remove the vermiculite smoke deflector plate and the smoke baffle made of steel. Remove the flue panel by pushing the front up and pulling forward, so that the rear end becomes free of the vertical panels. The smoke baffle by lifting it up and backwards to free it from the fixings. Then, carefully insert in reverse order.



Remove the flue panel by pushing the front up and pulling forward, so that the rear end becomes free of the vertical panels.

The smoke baffle by lifting it up and backwards to free it from the fixings.

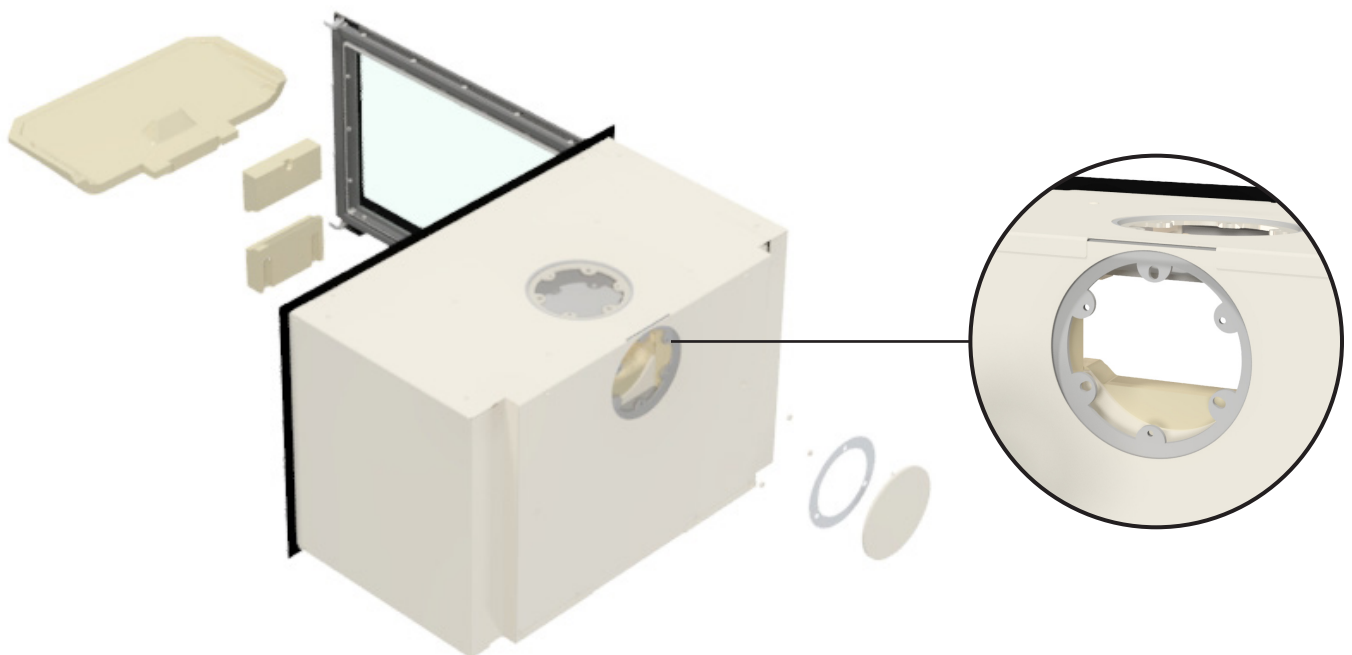
## ATTENTION!

Take care when putting back the smoke deflector plates.



## CHANGING FROM TOP TO REAR OUTLET

The insert is prepared for top outlet on delivery, but can be changed to rear outlet as follows. Start by removing the smoke baffle plate. Next, remove the top and bottom rear plates in the middle that cover the rear outlet. Using a hammer, carefully remove the knock-out blank from the back of the insert. Remove the blank cover and gasket by removing the three nuts, then fit the blank cover to the top outlet. Refit the smoke baffle plate. Fit the smoke outlet to the rear outlet.



## CLEANING AND MAINTENANCE

It is important that the stove is cleaned and maintained both inside and out. When this is done, the stove must be cold. The stove should be inspected by a chimney sweep once a year. Always check the chimney and flue collar for blockages before a heating season. Inspect the exterior and interior of the stove for damage, especially gaskets and the thermal insulation plates (vermiculite).

The combustion chamber lining protects the fireplace insert from heat from the fire. Due to the large temperature variations, cracks may appear in the combustion chamber lining. These can last for several years and should be replaced if they start to crack. The plates are loosely placed inside the combustion chamber and can easily be replaced by you or your dealer. For detailed instructions on how to replace the plates or remove them to clean the flue, see the user manual.

Lubricating door hinges and door locks is a necessary maintenance task that should be done on a regular basis rather than just after damage has occurred. It is advised that you use only our lubricant spray; using other products may cause residue and odour to form. To obtain the lubricant, contact with your dealer.

## INSTALLATION DIMENSIONS

To ensure a correct and durable installation, the fireplace insert must not be installed too tightly. During heating, the fireplace insert expands and if there is not enough space, both the insert and the brickwork can be damaged. Therefore, always follow the installation dimensions carefully.

RAIS/Attika cannot be held responsible for incorrect installation, and the warranty will be void.

## NO TAPE ON THE FRAMES

Under no circumstances should tape be applied to the frames, as this will damage the paintwork. RAIS/Attika accepts no responsibility for damage caused by the use of tape.

## CONVECTION VENTS

There is a minimum requirement for the convection air area. This area must be respected due to the risk of overheating and distance to combustible material. Make sure that the stove can draw convection air under the stove and exhaust it above the stove. There must be a non-combustible top plate in the cabinet just above the upper convection outlet.

There must always be convection openings of the mentioned sizes above and below the stove. The convection areas can be distributed by using different convection grates.

If the convection areas are not observed, RAIS/Attika cannot be held liable for any damage to the stove and the warranty will be cancelled.

## CHOICE OF MATERIAL FOR INSTALLATION

The material can be panels/brick with an insulation value greater than  $0.03 \text{ m}^2 \times \text{K/W}$ . The insulation is defined as wall thickness (in metres) divided by the wall's Lambda value. Consult your installation technician/chimney inspector.

The installation drawings are based on a non-combustible building board enclosure made of 50 mm calcium silicate (Skamotec 225). The fireplace insert must be placed on heat-resistant material.



### IMPORTANT

As a minimum, the chimney must be constructed of T400-N1-D-50050-G100 flue pipe.



## INSTALLATION DIMENSIONS: FRONT MODEL

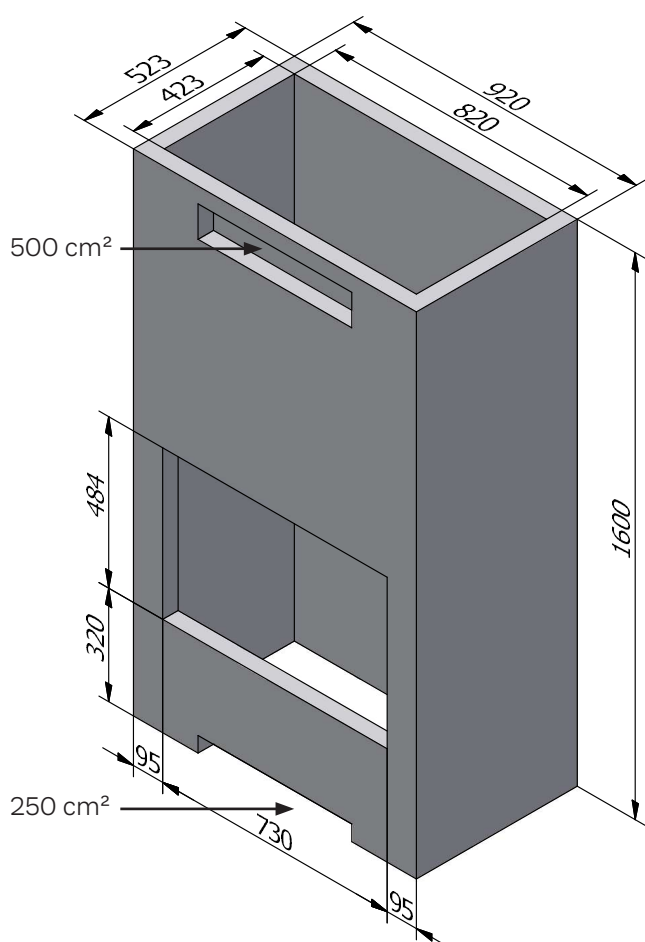
Minimum cavity dimensions (H x W) 484 x 730 mm. A fireplace insert must never be tightly inserted into a cavity, as steel expands when heated.



### IMPORTANT

The cavity dimension is the minimum finished dimension. Therefore, remember to take into account plastering and the general structure of the wall so that the dimensions are respected.

When installing against a combustible wall, the installation box must be at least (H x W x D) 1600 x 920 x 523 mm.



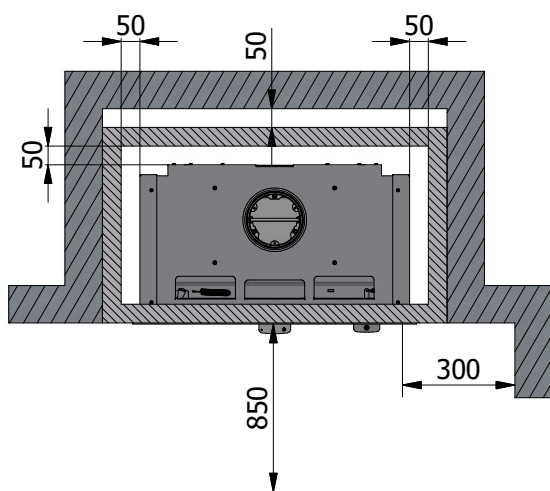
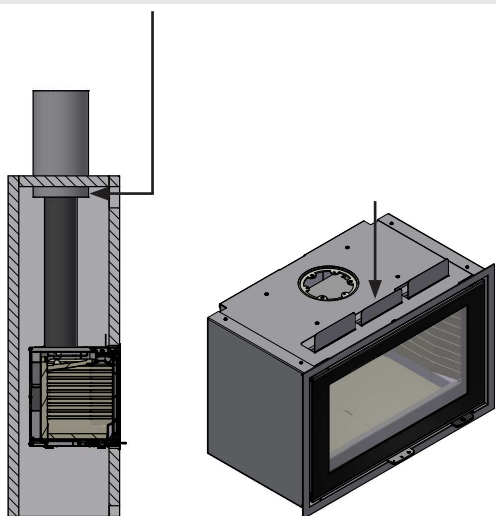
| CONVECTION AREAS       | DIMENSIONS IN CM <sup>2</sup> |
|------------------------|-------------------------------|
| Above fireplace insert | 500                           |
| Below fireplace insert | 250                           |

A non-combustible plate must be placed directly above the convection opening to prevent "standing" hot air. This is done to protect the ceiling and direct hot air from the cassette.

## UN-INSULATED FLUE:

### ATTENTION!

The insulated chimney must pass through the non-combustible plate.



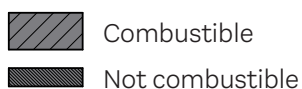
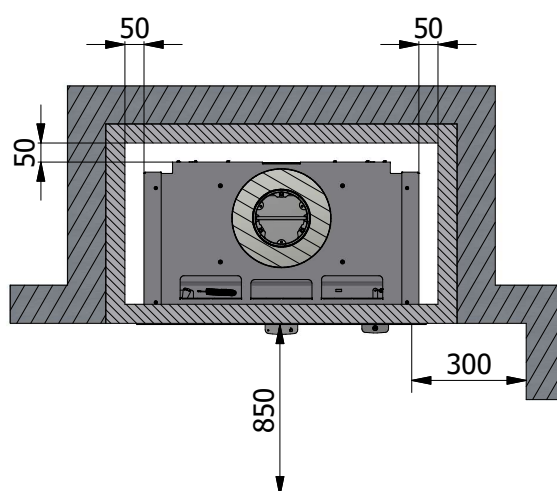
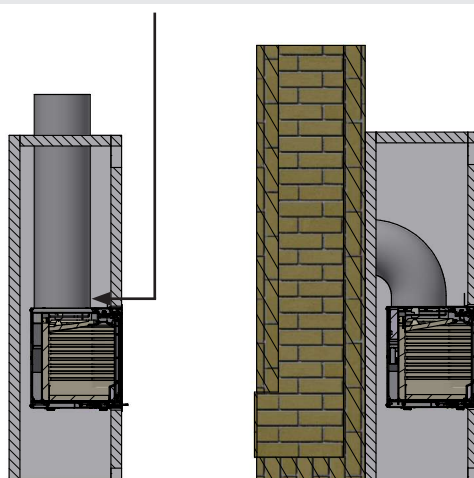
When using an uninsulated chimney, a cavity of 50 mm must be created with stagnant air between the built-in box and the combustible wall before the safety distances apply.

When an uninsulated chimney is used, the three convection openings must be opened. See the section: Extra convection vents.

## INSULATED FLUE:

### ATTENTION!

The insulated chimney must extend all the way to the flue outlet adapter. Also applies if a bended pipe is used into an existing chimney.



## INSTALLATION DIMENSIONS: CORNER MODEL

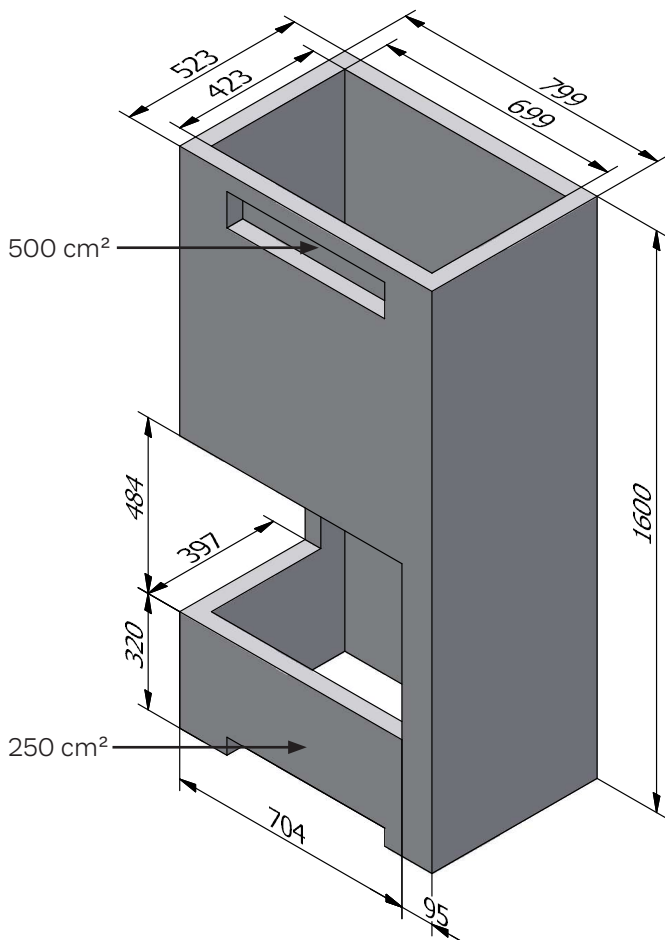
Minimum cavity dimensions (H x W x D) 484 x 704 x 397 mm. A fireplace insert must never be tightly inserted into a cavity, as steel expands when heated.



### IMPORTANT

The cavity dimension is the minimum finished dimension. Therefore, remember to take into account plastering and the general structure of the wall so that the dimensions are respected.

When installing against a combustible wall, the installation box must be at least (H x W x D) 1600 x 799 x 523 mm.



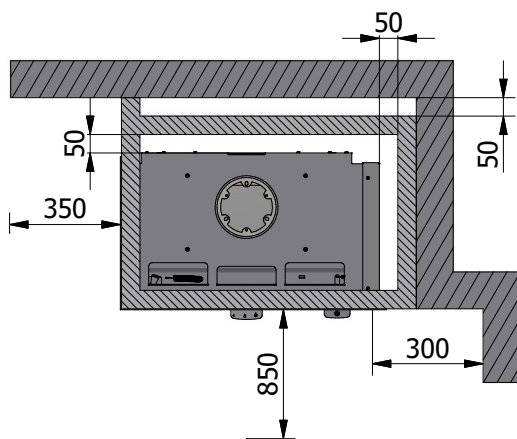
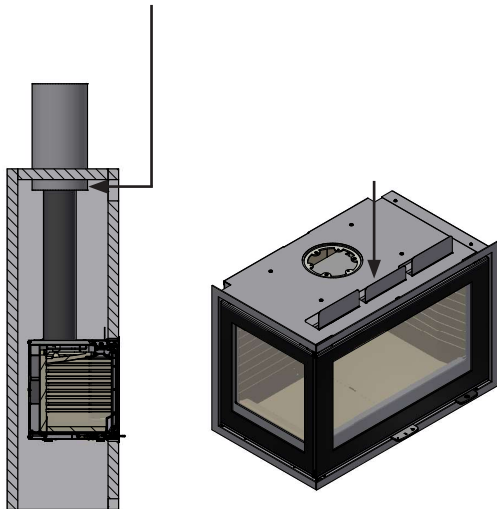
| CONVECTION AREAS       | DIMENSIONS IN CM <sup>2</sup> |
|------------------------|-------------------------------|
| Above fireplace insert | 500                           |
| Below fireplace insert | 250                           |

A non-combustible plate must be placed directly above the convection opening to prevent "standing" hot air. This is done to protect the ceiling and direct hot air from the cassette.

## UN-INSULATED FLUE:

### ATTENTION!

The insulated chimney must pass through the non-combustible plate.



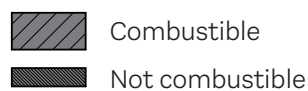
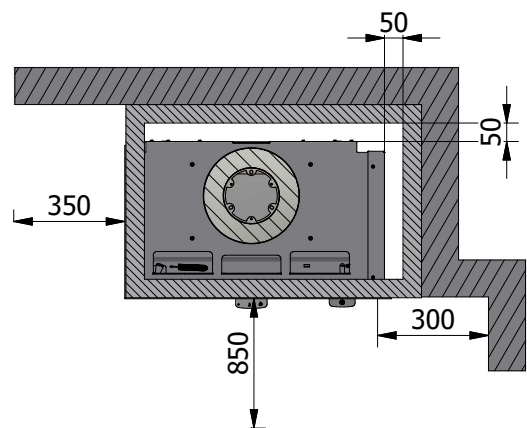
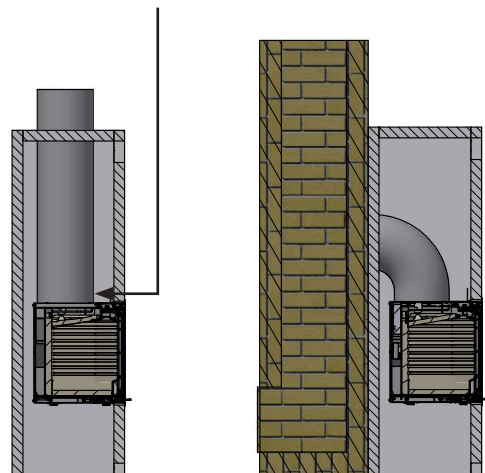
When using an uninsulated chimney, a cavity of 50 mm must be created with stagnant air between the built-in box and the combustible wall before the safety distances apply.

When an uninsulated chimney is used, the three convection openings must be opened. See the section: Extra convection vents.

## INSULATED FLUE:

### ATTENTION!

The insulated chimney must extend all the way to the flue outlet adapter. Also applies if a bended pipe is used into an existing chimney.



## INSTALLATION DIMENSIONS: THREE-SIDED MODEL

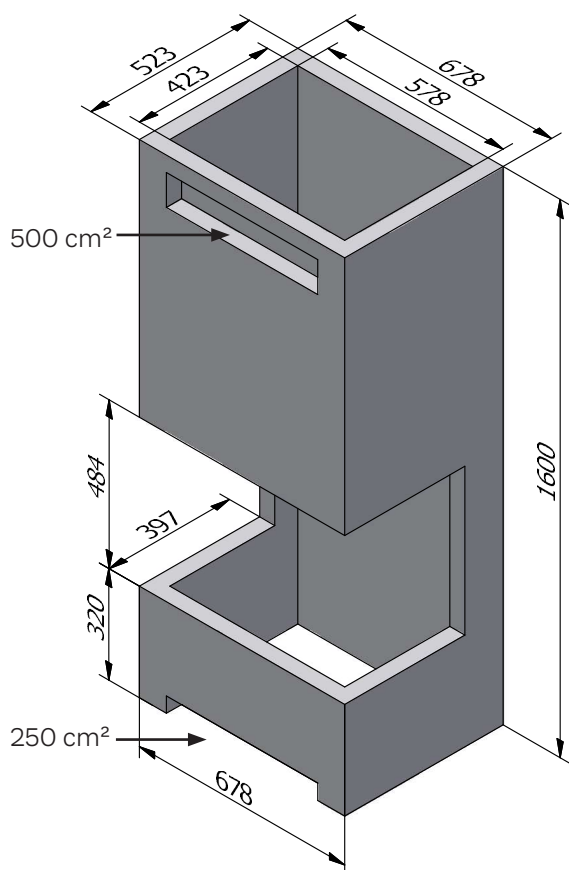
Minimum cavity dimensions (H x W x D) 484 x 678 x 397 mm. A fireplace insert must never be tightly inserted into a cavity, as steel expands when heated.



### IMPORTANT

The cavity dimension is the minimum finished dimension. Therefore, remember to take into account plastering and the general structure of the wall so that the dimensions are respected.

When installing against a combustible wall, the installation box must be at least (H x W x D) 1600 x 678 x 523 mm.



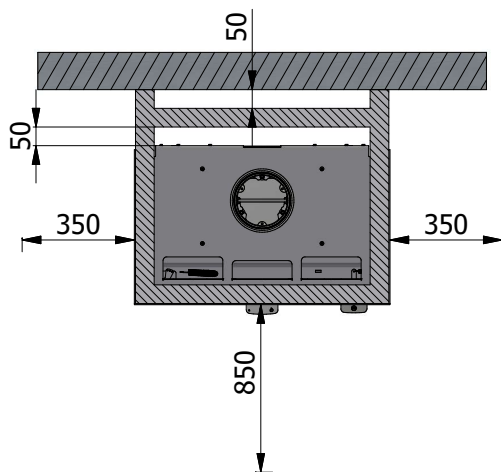
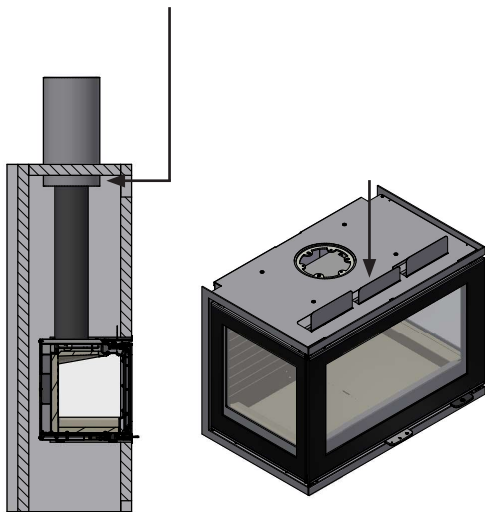
| CONVECTION AREAS       | DIMENSIONS IN CM <sup>2</sup> |
|------------------------|-------------------------------|
| Above fireplace insert | 500                           |
| Below fireplace insert | 250                           |

A non-combustible plate must be placed directly above the convection opening to prevent "standing" hot air. This is done to protect the ceiling and direct hot air from the cassette.

## UN-INSULATED FLUE:

### ATTENTION!

The insulated chimney must pass through the non-combustible plate.



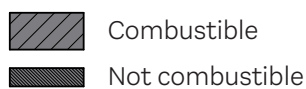
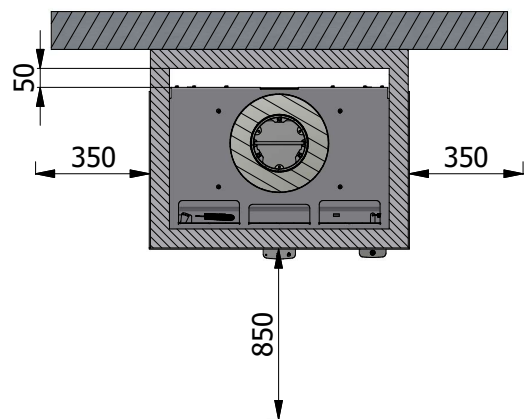
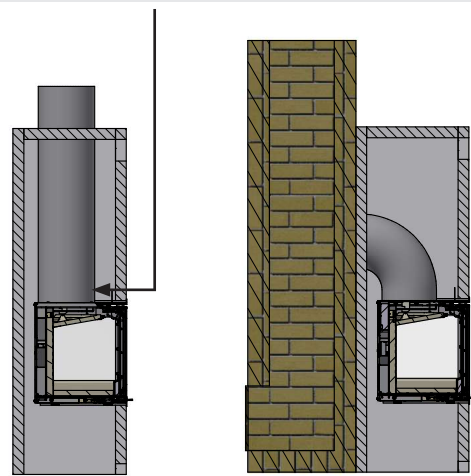
When using an uninsulated chimney, a cavity of 50 mm must be created with stagnant air between the built-in box and the combustible wall before the safety distances apply.

When an uninsulated chimney is used, the three convection openings must be opened. See the section: Extra convection vents.

## INSULATED FLUE:

### ATTENTION!

The insulated chimney must extend all the way to the flue outlet adapter. Also applies if a bended pipe is used into an existing chimney.



When the fireplace insert is installed in a construction where direct combustion air is required, external air must be connected to the stove from the outside. All RAIS/attika stoves have the option to supply external air.

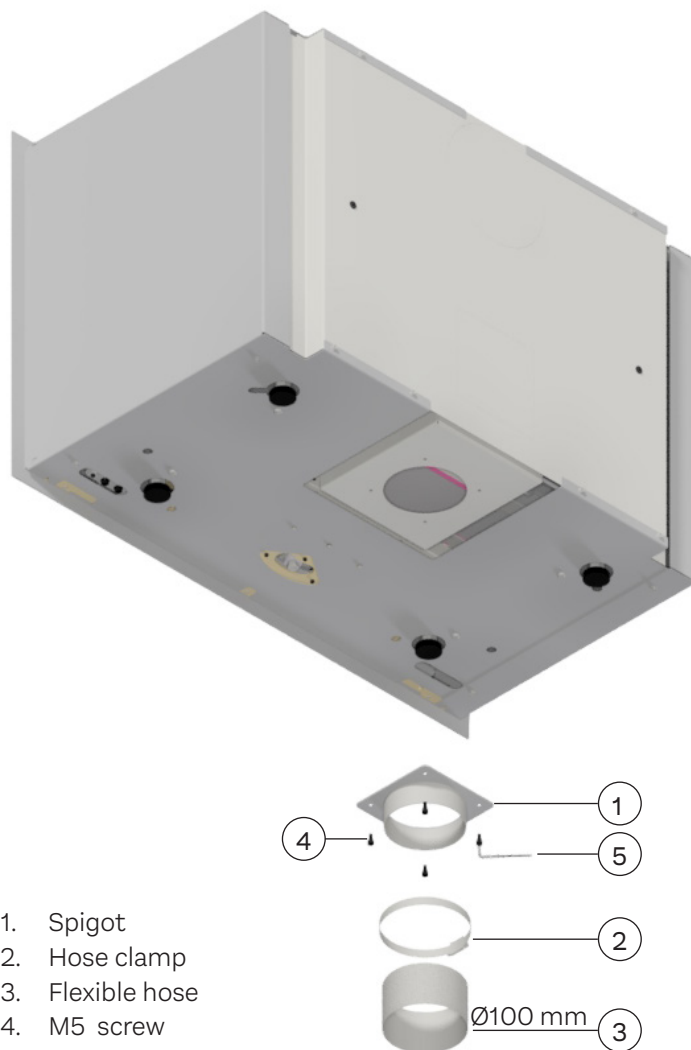
This external air supply is what we call AirSystem. The air intake for the system can be hidden by installing it either in the floor or in the wall behind the stove.

The maximum length of the flex hose is 5 metres. It is important that it is not bent and folded around corners so that the tube collapses and the airflow cannot get through as intended.

If the air supply is 5-10 metres from the stove, use a Ø120 mm flex hose instead.

### AIR CONNECTION AT THE BOTTOM

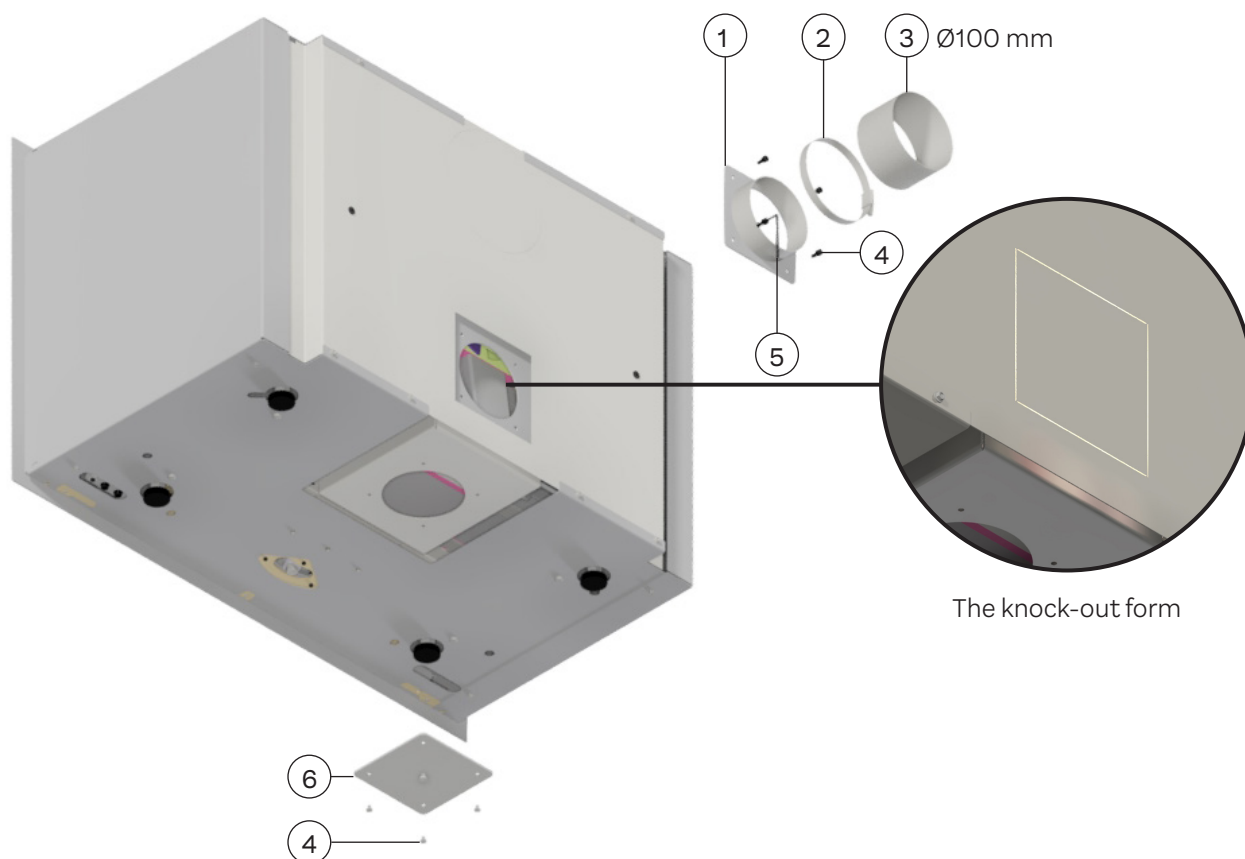
If you purchase an fireplace insert with bottom air connection, install the spigot (1) using the four M5 screws (4) and secure the flexible hose (3) using the hose clamp (2).



1. Spigot
2. Hose clamp
3. Flexible hose
4. M5 screw
5. Allen key - 3 mm

**AIR CONNECTION ON THE BACK**

If you purchase a fireplace insert with rear air connection, remove the knock-out form on the rear side of the fireplace insert and detach the cover plate (6) using a 3 mm Allen key (5). Re-fit the cover plate to the underside of the fireplace insert using the four M5 screws (4) ensuring that the air box is sealed. Fit the spigot (1) on the rear of the fireplace insert and secure the flexible hose (3) using the hose clamp (2).



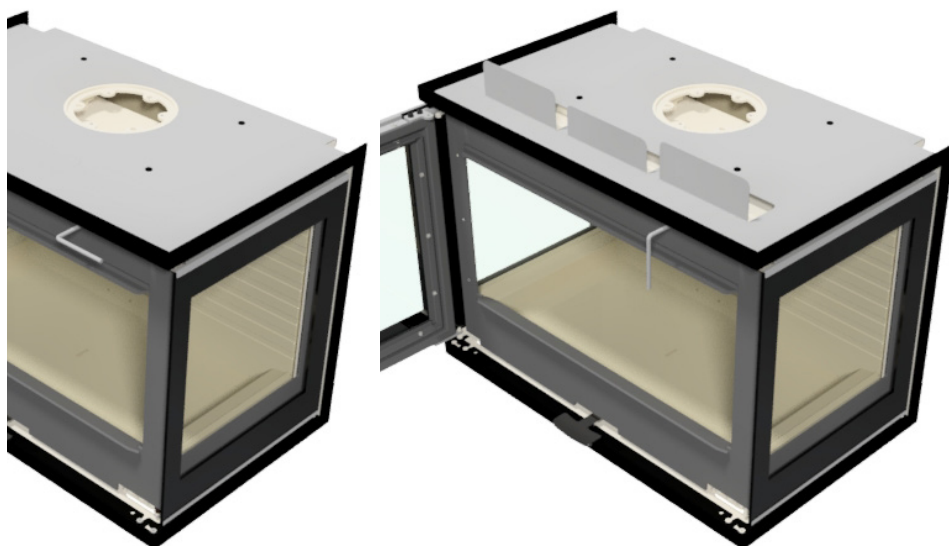
1. Spigot
2. Hose clamp
3. Flexible hose
4. M5 screw
5. Allen key - 3 mm
6. Cover plate

**OPENING OF EXTRA CONVECTION VENTS**

To provide better air circulation and a cooler wall above the insert, we recommend that the extra convection openings be opened before the installation is completed. The three flaps are bent up to 90°.

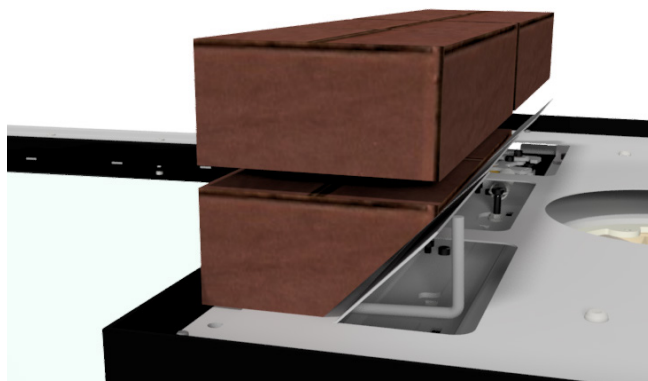
After installation, the additional convection openings can be opened using a special tool 11-0000-040118 (can be purchased separately).

Hold the tool approx. 25mm from the front edge of the combustion chamber. The short end of the tool is inserted under the convection top. Turn the tool 90° down and the flap will bend up.

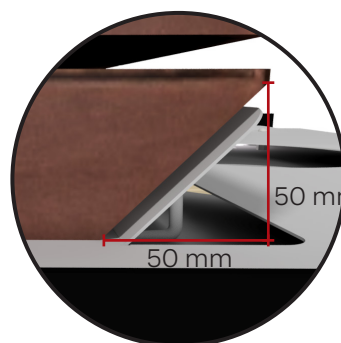
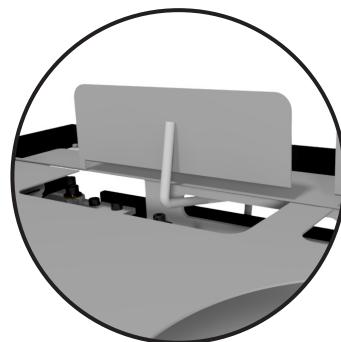
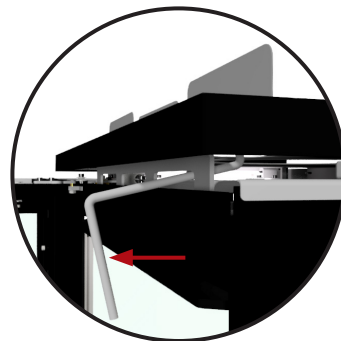
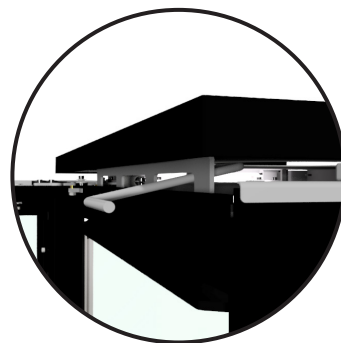


Pull the tool to fully open the flap. Repeat the procedure for the other two flaps.

When building in bricks, it is necessary to remove parts of the lower bricks, to make room for bending the convection flaps up. See picture



11-0000-040118



**DISMOUNTING FRAMES: FRONT MODEL**

It is possible to remove the frames on the stove if you want to plaster the wall behind the frames. Follow the following steps:

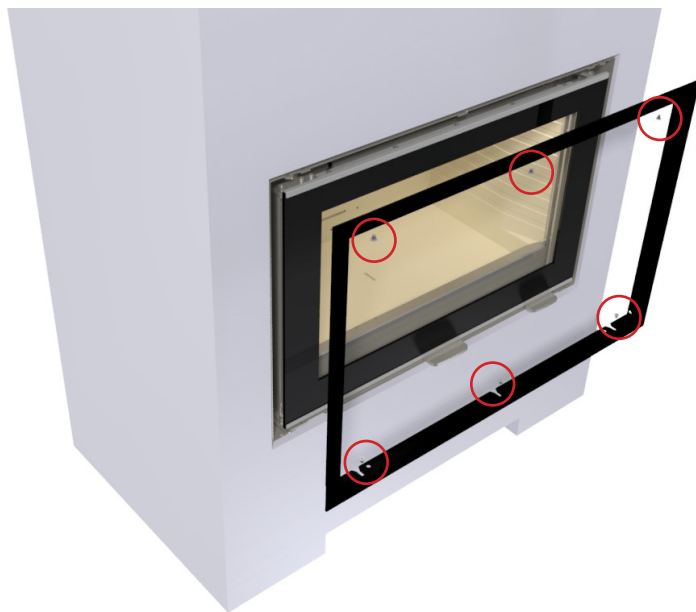
**IMPORTANT**

It is important to observe the installation dimensions for the hole dimensions as the stove must have room to expand. Therefore, remember to take into account the plastering and general structure of the wall so that the dimensions are observed.



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- 1 Remove the front frame by loosening the three screws at the top and three screws at the bottom.



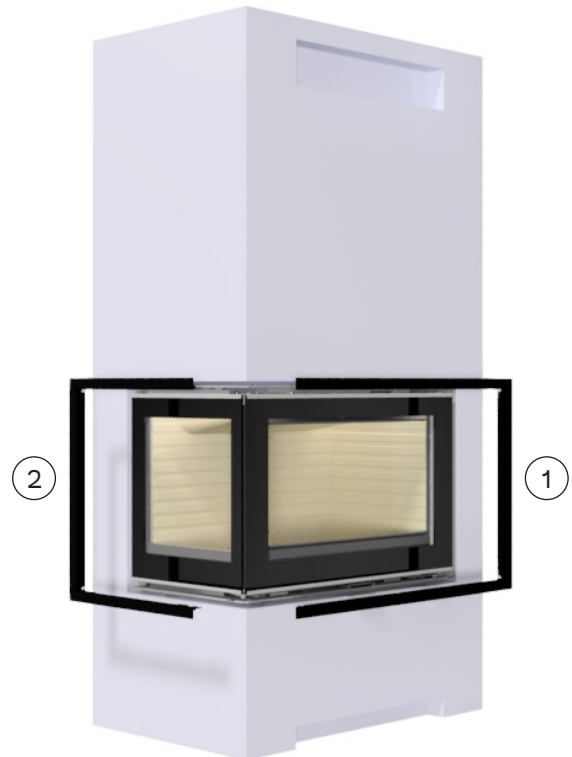
The frames are mounted again in reverse order.

**DISMOUNTING FRAMES: CORNER MODEL**

It is possible to remove the frames on the stove if you want to plaster the wall behind the frames. Follow the following steps:

**IMPORTANT**

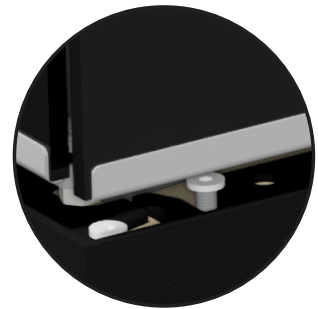
It is important to observe the installation dimensions for the hole dimensions as the stove must have room to expand. Therefore, remember to take into account the plastering and general structure of the wall so that the dimensions are observed.



- ① Remove the front frame by loosening the six screws to release the front frame. There are three screws in the bottom and three in the top.

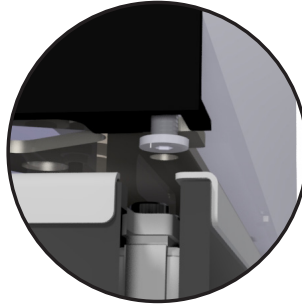
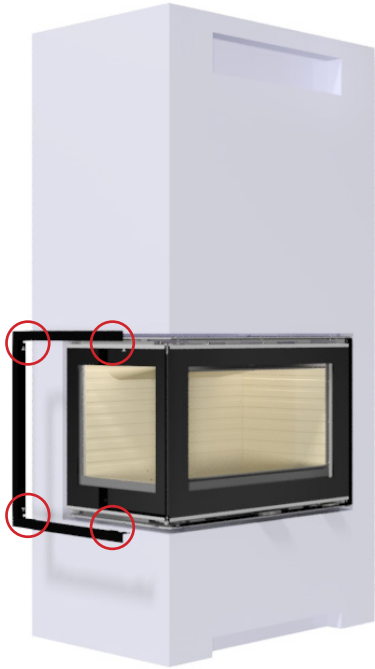


In the top loosen 3 x screws

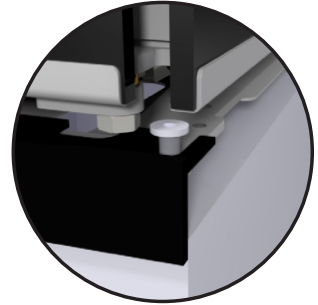


In the bottom, loosen the corresponding 3 x screws

- ② The side frame is removed by unscrewing the four screws. There are two screws in the bottom and two in the top.



In the top, loosen 2 x screws



In the bottom, loosen 2 x screws

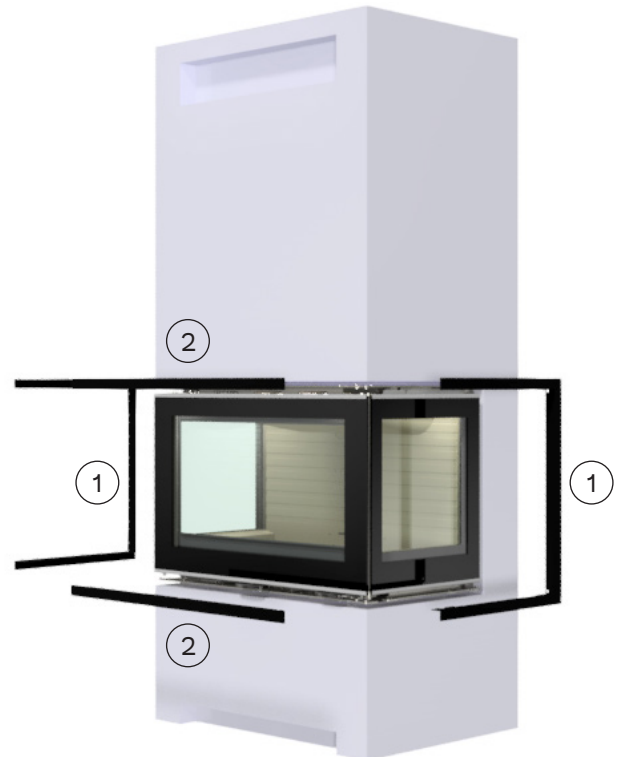
The frames are mounted again in reverse order.

**DISMOUNTING FRAMES: THREE-SIDED MODEL**

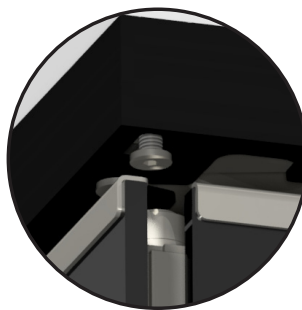
It is possible to remove the frames on the stove if you want to plaster the wall behind the frames. Follow the following steps:

**IMPORTANT**

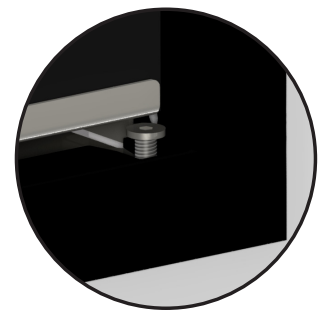
It is important to observe the installation dimensions for the hole dimensions as the stove must have room to expand. Therefore, remember to take into account the plastering and general structure of the wall so that the dimensions are observed.



- ① The side frames are removed by loosening the four screws. There are two screws in the bottom and two in the top.



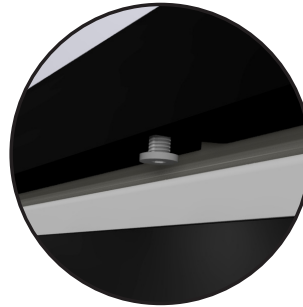
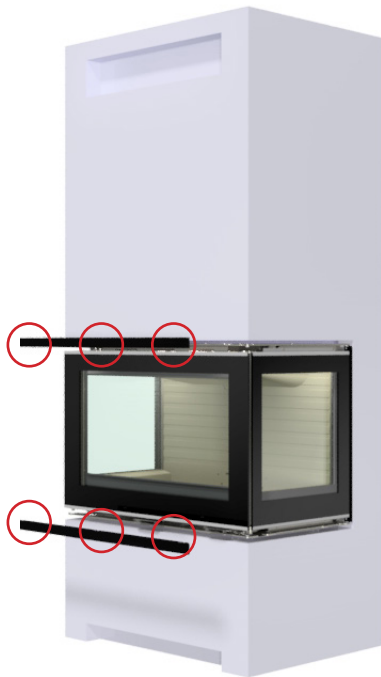
In the top, loosen 2 x screws



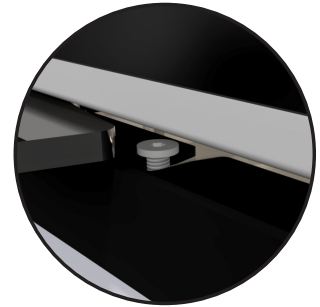
Loosen 2 x screws in the bottom

The same procedure applies to both side frames.

- ② Remove the top and bottom frames by loosening the screws in each frame. There are three screws in the bottom and three in the top.

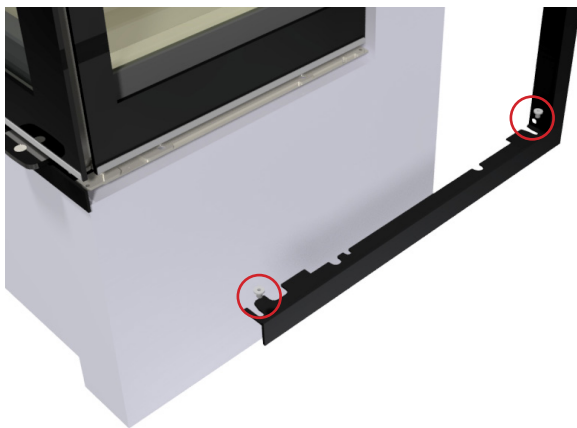


In the top, loosen 3 x screws



In the bottom, loosen 3 x screws

The position of the screws in the top and bottom are the same.



The frames are mounted again in reverse order.

### HEAT DISTRIBUTOR

By installing a heat distributor unit above the fireplace insert, heat can be 'transported' to other rooms.



**PERMANENT AIR SUPPLY**

The appliance needs a permanent air supply to the room of installation as the appliance is over 5 kW, confer with Building regulation Approved Document J.

Permanently open air vents should be non-adjustable, sized to admit sufficient air for the purpose intended and positioned where they are unlikely to become blocked. see Approved Document J.

A CO Alarm must be fitted into the same room as the appliance upon installation. The alarm shall be compliant with British Standards BS 50291. Where battery powered alarms are selected, alarms with 'sealed for life' batteries rather than alarms with replaceable batteries are the better option.

**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 "unauthorised 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. In Scotland appliances are exempted by publication on a list by Scottish ministers under section 50 of the regulatory reform (Scotland) act 2014. Similarly, in Northern Ireland appliances are exempted by publication on a list by the department of agriculture, environment and rural affairs under section 16 of the environmental better regulation act (Northern Ireland) 2016. In Wales appliances are exempted by regulations made by Welsh ministers.

The secretary of state for environment, food and rural affairs has powers under the act to authorize smokeless fuels or exempt appliances for use in smoke control areas in England. In Scotland and Wales this power rests with the ministers in the devolved administrations for those countries. Separate legislation, the clean air (Northern Ireland) order 1981, applies in Northern Ireland. Therefore it is a requirement that fuels burnt or obtained for use in smoke control areas have been "authorised" in regulations and that appliances used to burn solid fuel in those areas (other than "authorised"

fuels) have been exempted by an order made and signed by the secretary of state or minister in the devolved administrations.

The R500 (All variants) have been recommended as suitable for use in smoke control areas when burning wood logs.

**FUEL OVERLOADING**

The maximum amount of fuel specified in this manual should not be exceeded, overloading can cause excess smoke.

**REFUELLING ON TO A LOW FIRE BED**

If there is insufficient burning material in the firebed to light a new fuel charge, excessive smoke emission can occur. Refuelling must be carried out onto a sufficient quantity of glowing embers and ash that the new fuel charge will ignite in a reasonable period. If there are too few embers in the fire bed add suitable kindling to prevent excess smoke.

**DAMPERS LEFT OPEN**

Operation with the air control or appliance dampers open can cause excess smoke. The appliance must not be operated with air controls, appliance dampers or door left open except as directed in the instructions.

**OPERATION WITH DOOR LEFT 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.

**ATTENTION!**

This page is only relevant for appliances installed in United Kingdom.



Article number: 17-6520ENG



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