INSTALLATIONSVEJLEDNING / INSTALLATIONSANLEITUNG / INSTALLATION GUIDE / NOTICE D'INSTALLATION /

Rais 500

INSTALLATION MANUAL (UK)

RAIS® ART OF FIRE

attika® FEUERKULTUR

PRODUCTION NUMBER SHALL
BE STATED HERE

CONTENTS

This manual applies to the following models:

Rais 500-1 Front model - Glass version
Rais 500-1 Front model - Classic version
Rais 500-2 Right model - Glass version
Rais 500-2 Right model - Classic version
Rais 500-2 Left model - Glass version
Rais 500-2 Left model - Classic version
Rais 500-3 3 Side model - Glass version
Rais 500-3 3 Side model - Classic version

Revision: 12
Date: 26-09-2023

INSTALLATION INSTRUCTIONS
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.

IN 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 the installation is started.

No unauthorised alterations may be made to the fireplace insert.

GENERAL INSTALLATION REQUIREMENTS
Before the fireplace insert may be put to use, the installation must be reported to your local chimney sweeper.

There must be a plentiful supply of fresh air in the installation room to ensure good combustion if required, through an AirSystem connection. Be aware that any mechanical air extraction, for example a cooker hood, can reduce the supply of air. Any air vent must be positioned in a way that ensures the supply of air cannot be blocked.

The fireplace insert has an air consumption of 16 m^3/h.

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 fallen embers.

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 fireplace insert than the closest permitted distance stated in the installation sections. When deciding where to install your RAIS/ATTIKA fireplace insert, you should think about being able to heat other rooms in the home, so you get the most out of your new fireplace insert.

After receiving your fireplace insert, please check it for any defects.

CHIMNEY
The chimney must be tall enough to ensure correct draught conditions, i.e. -12 pascal to -18 pascal. If the recommended chimney draught cannot be achieved, problems from smoke escaping from the door may arise when lighting the fire. We recommend adapting the chimney to suit the smoke outlet spigot. The smoke outlet spigot is 150 mm in diameter.

If the draught is excessive, it is recommended that you equip the chimney with a regulating damper. If a regulating damper is fitted, you must ensure that there is a free flow area of at least 20 cm^2 at the closed regulating damper.

Remember that there must be unobstructed access to the access door on the chimney.

The length of the chimney, calculated from the top of the fireplace insert should not be less than 3 m and must be at least 80 cm above the roof ridge. If the chimney is installed at 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.

The fireplace insert is suitable for connecting to a shared flue but we recommend that the in-feed is positioned so that there is a free-height difference between them of at least 250 mm

Notice!
RAIS/ATTIKA recommends that the fireplace insert is installed by an authorised technician. Please ask your dealer for further information.

SPECIFICATIONS			
Danish Technological Institute ref.:	300-ELAB-2555-EN and 300-ELAB-2555-NS		
	RAIS 500-1 FRONT MODEL	RAIS 500-2 RIGHT/LEFT MODEL	RAIS 500-3 3 SIDE MODEL
Nominal output (kW)	5.6	5.6	5.6
Min./max. output (kW)	4–8*	4–8*	4–8*
Heating area (m^2)	120	120	120
Fireplace insert width/depth/ height (mm)	720 X 427 X 480	699 X 427 X 480	678 X 427 X 479
Combustion chamber W x D x H (mm)	545 X 280 X 200 **	545 X 280 X 200 **	545 X 280 X 200 **
Min. uptake (pascal)	-12	-12	-12
Weight (kg) min., depending on the model	102	99	96
Efficiency (%)	76	76	76
CO emission attributed to 13% O_2 (%)	0.09 (1125 mg/ Nm^3)	0.09 (1125 mg/Nm^3)	0.09 (1125 mg/ Nm^3)
NOx emission attributed to 13% O_2 (mg/Nm^3)	82	82	82
OGC emission attributed to 13% O_2 (mg/Nm^3)	67	67	67
Particle emission in accordance with NS3058/3059 (g/kg)	2.89	2.89	2.89
Dust measurement in accordance with DIN + 13% O_2 (mg/ Nm^3)	10	10	10
Flue gas flow (g/s)	5.4	5.4	5.4
Flue gas temperature (°C)	289	289	289
Recommended amount of wood (kg) when stoking the fire (Distributed between two logs, each max. 24 cm)	1.4	1.4	1.4
Intermittent operation	Stoking should be done within 45 minutes	Stoking should be done within 45 minutes	Stoking should be done within 45 minutes

The fireplace insert is tested and approved by:
Danish Technological Institute
Teknologiparken Kongsvang Allé 29
8000 Aarhus C
Denmark
www.dti.dk
Tel.: +45 7220 2000, Fax: +45 7220 1019

*Not verified by test.
**Max. load

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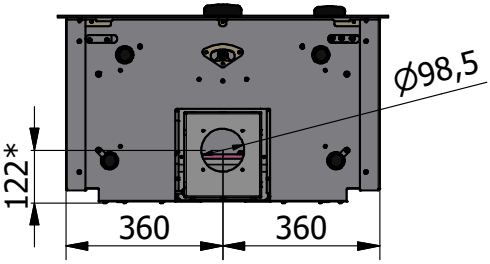
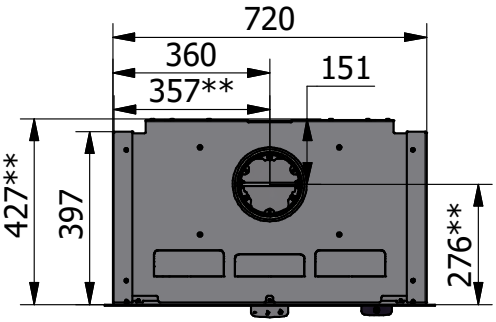
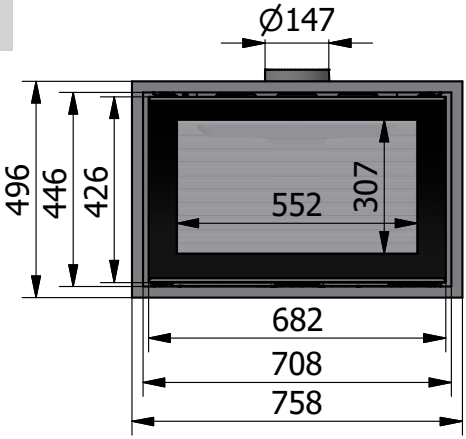
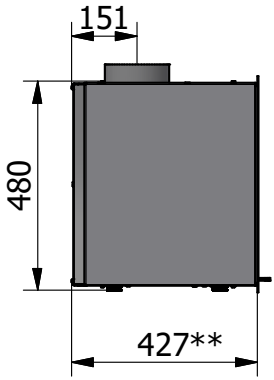
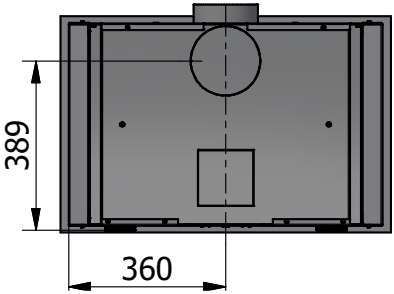
500–1

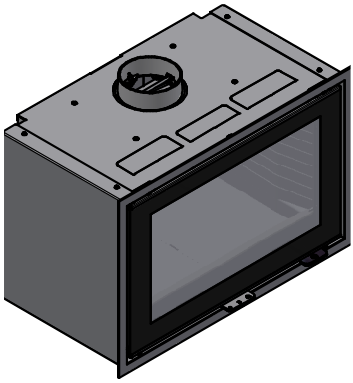






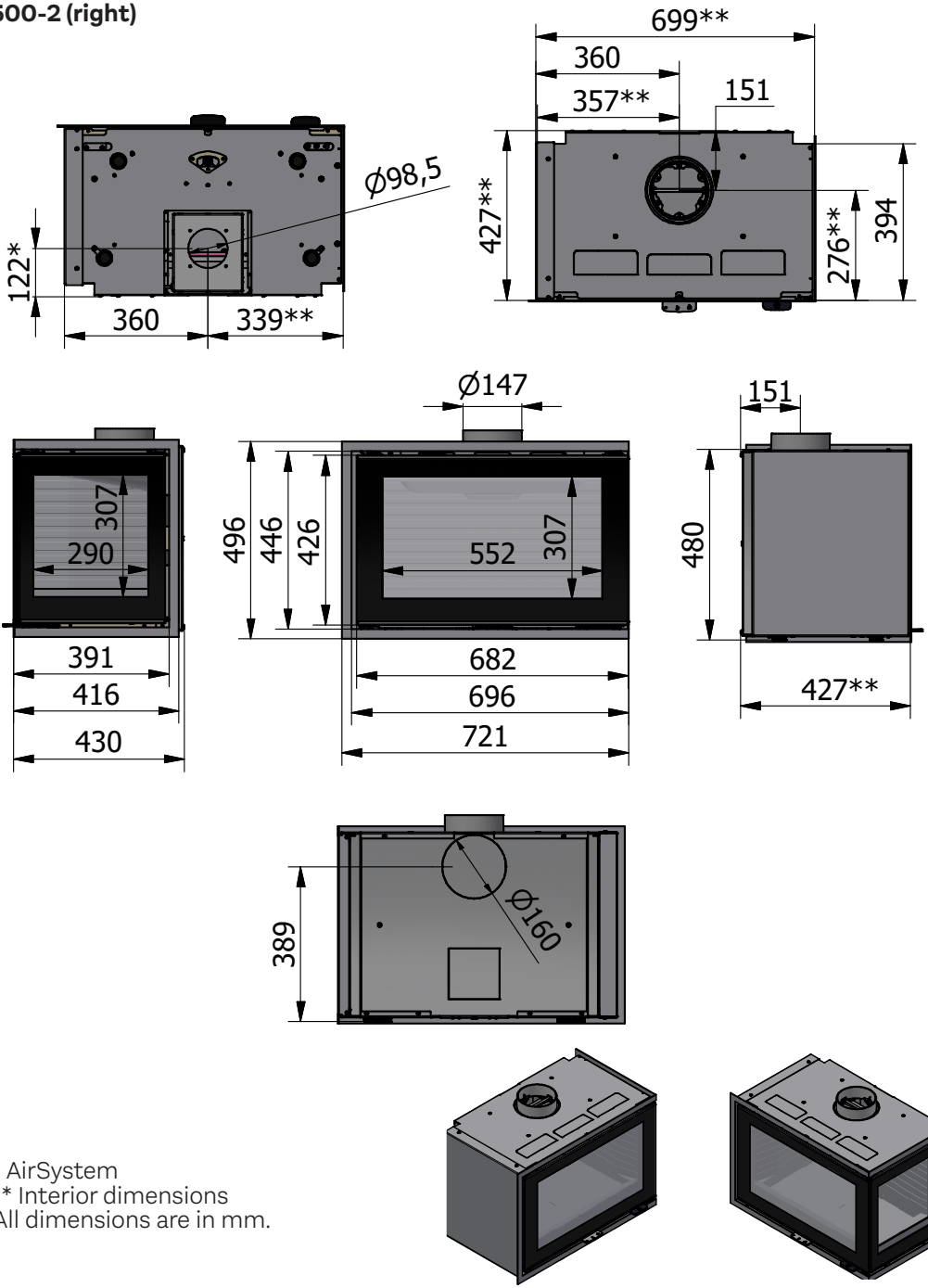






* AirSystem
** Interior dimensions
All dimensions are in mm.

500-2 (right)



* AirSystem
** Interior dimensions
All dimensions are in mm.

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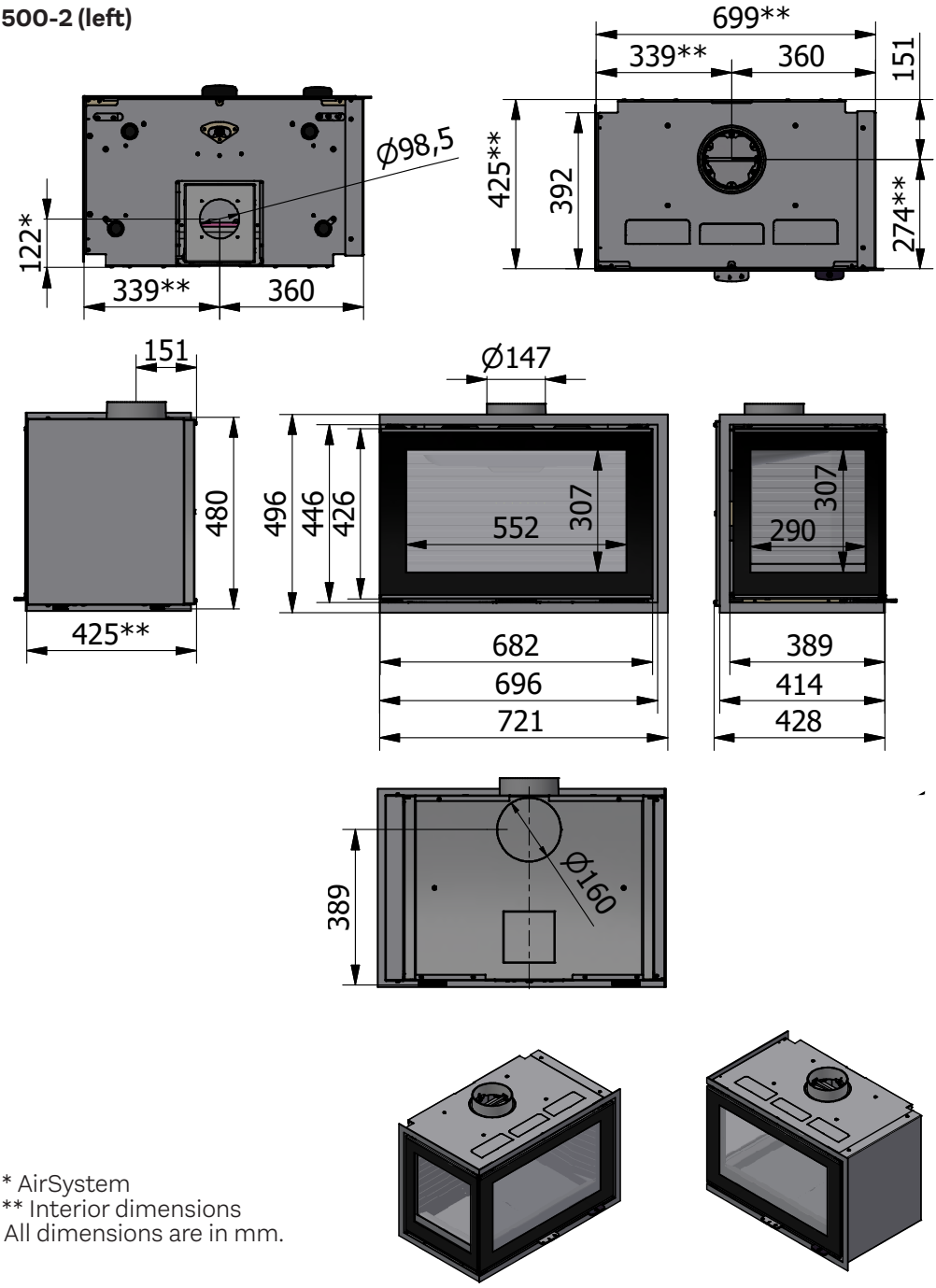
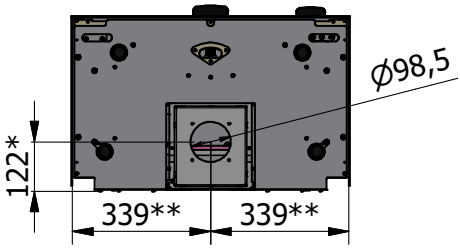
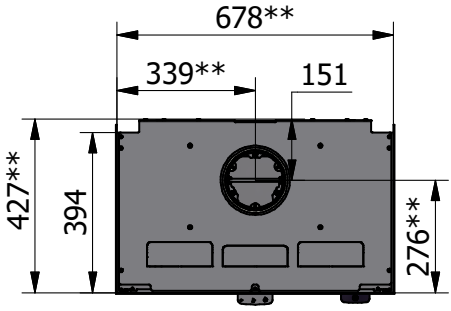
500-2 (left)

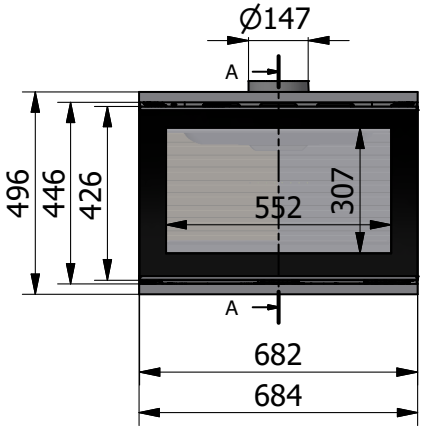


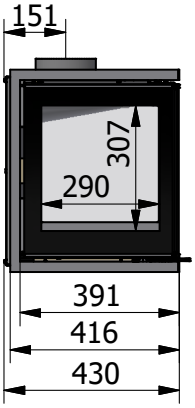
* AirSystem
** Interior dimensions
All dimensions are in mm.

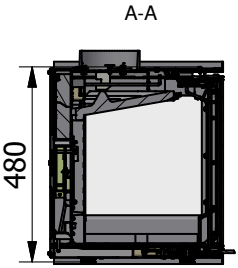
500–3

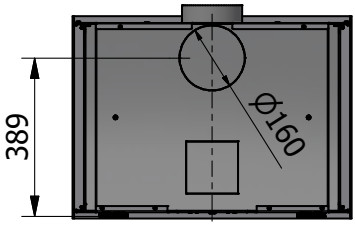


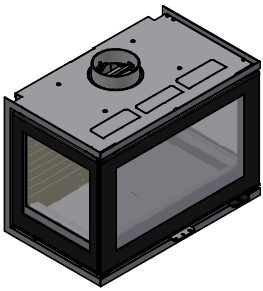








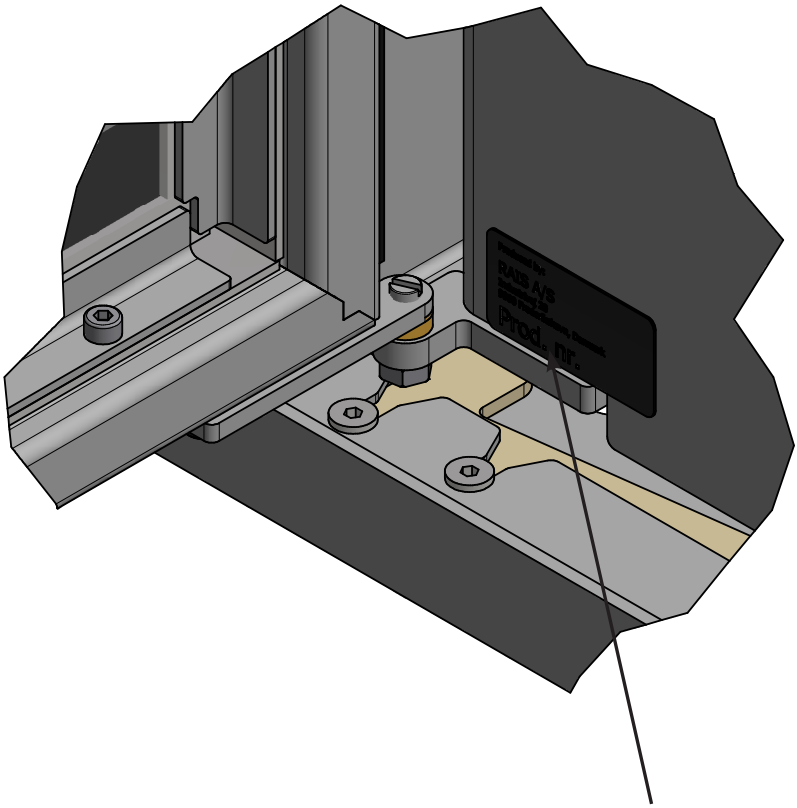




* AirSystem
** Interior dimensions
All dimensions are in mm.

The production number is located in the bottom left corner of the fireplace insert (see drawing).

It is also stated on the front of this installation manual.



INFORMATION PLATE

All RAIS/ATTIKA fireplace inserts have an information plate specifying the fireplace insert's distance to flammable materials, efficiency etc. The information plate is laid loose in the fireplace insert upon delivery.

See next page.

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Information plate 500-1

21

EN 13229:2001+A1:2003+A2:2004,
EC.NO: 17
Notified Body: 1235

CE

Produced at:
RAIS A/S, Industrivej 20, 9900 Frederikshavn, Danmark

Rais 500 Front model, Rais 500 Classic Front model

AFSTAND TIL BRÆNDBART, BAGVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, HINTEN DISTANCE TO COMBUSTIBLE BACK WALL DIST. ENTRE COMPOSANTS COMBUSTIBLES, ARRIÈRE	DK: mm SE BRUGERVEJLEDNING DE: mm SIEHE BEDIENUNGSANLEITUNG UK: mm SEE USER MANUAL FR: mm CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, SIDEVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, SEITE DISTANCE TO COMBUSTIBLE SIDE WALL DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, COTÉ	DK: mm SE BRUGERVEJLEDNING DE: mm SIEHE BEDIENUNGSANLEITUNG UK: mm SEE USER MANUAL FR: mm CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, MØBLERING ABSTAND VORNE ZU BRENNBAREN MÖBELN DISTANCE TO FURNITURE AT THE FRONT DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, DEVANT	DK: 850mm SE BRUGERVEJLEDNING DE: 850mm SIEHE BEDIENUNGSANLEITUNG UK: 850mm SEE USER MANUAL FR: 850mm CONSULTEZ LE GUIDE DE L'UTILISATEUR
CO EMISSION (REL. 13% O2) CO EMISSION IN DEN VERBRENNUNGSPRODUKTEN (BEI 13%O2) EMISSION OF CO IN COMBUSTION PRODUCTS (AT 13%O2) EMISSION CO DANS LES PRODUITS COMBUSTIBLES (À 13%O2)	0,09 % / 1125 mg/Nm³
STØV / STAUB / DUST / POUSSIÈRES:	10 mg/Nm3
RØGGASTEMPERATUR / ABGASTEMPERATUR / FLUE GAS TEMPERATURE / TEMPÉRATURE DES GAZ DE FUMÉE:	289 °C
NOMINEL EFFEKT / HEIZLEISTUNG / THERMAL OUTPUT / PUISSANCE CALORIFIQUE:	5,6 kW
VIRKNINGSGRAD / ENERGIEEFFIZIENZ / ENERGY EFFIENCY /EFFICACITÉ ÉNERGÉTIQUE:	76 %
DK: Brug kun anbefalede brændsler. Følg instrukserne i bruger manualen. Anordningen er egnet til røggassamleledning og intervalfyring. DE: Lesen und befolgen Sie die Bedienungsanleitung. Zeitbrandfeuerstätte. Nur empfohlene Brennstoffe einsetzen. UK: Fuel types (only recommended). Follow the installation and operating instruction manual. Intermittent operation. F: Veuillez lire et observer les instructions du mode d'emploi. Foyer à durée de combustion limitèe, homologué pour cheminée à connexions multiples. Utiliser seulement les combustibles recommandés.	DK: BRÆNDE DE: HOLZ UK: WOOD FR: BOIS

(UK) Not to be used in a shared flue

Raumheizer für feste Brennstoffe
Appliance fired by wood
Poêle pour combustibles solides

Produced for:
ATTIKA FEUER AG, Brunnmatt 16, CH-6330 Cham /
RAIS A/S, Industrivej 20, DK-9900 Frederikshavn

Information plate 500-2 and 500-3

21

EN 13229:2001+A1:2003+A2:2004
EC.NO: 17
Notified Body: 1235

CE

Produced at:
RAIS A/S, Industrivej 20, 9900 Frederikshavn, Danmark

Rais 500 Right model, Rais 500 Left model, Rais 500 3 Side model
Rais 500 Classic Right model, Rais 500 Classic Left model, Rais 500 Classic 3 Side model

AFSTAND TIL BRÆNDBART, BAGVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, HINTEN DISTANCE TO COMBUSTIBLE BACK WALL DIST. ENTRE COMPOSANTS COMBUSTIBLES, ARRIÈRE	DK: mm SE BRUGERVEJLEDNING DE: mm SIEHE BEDIENUNGSANLEITUNG UK: mm SEE USER MANUAL FR: mm CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, SIDEVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, SEITE DISTANCE TO COMBUSTIBLE SIDE WALL DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, COTÉ	DK: mm SE BRUGERVEJLEDNING DE: mm SIEHE BEDIENUNGSANLEITUNG UK: mm SEE USER MANUAL FR: mm CONSULTEZ LE GUIDE DE L'UTILISATEUR
AFSTAND TIL BRÆNDBART, MØBLERING ABSTAND VORNE ZU BRENNBAREN MÖBELN DISTANCE TO FURNITURE AT THE FRONT DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, DEVANT	DK: 850mm SE BRUGERVEJLEDNING DE: 850mm SIEHE BEDIENUNGSANLEITUNG UK: 850mm SEE USER MANUAL FR: 850mm CONSULTEZ LE GUIDE DE L'UTILISATEUR
CO EMISSION (REL. 13% O2) CO EMISSION IN DEN VERBRENNUNGSPRODUKTEN (BEI 13%O2) EMISSION OF CO IN COMBUSTION PRODUCTS (AT 13%O2) EMISSION CO DANS LES PRODUITS COMBUSTIBLES (À 13%O2)	0,09 % / 1125 mg/Nm³
STØV / STAUB / DUST / POUSSIÈRES:	10 mg/Nm3
RØGGASTEMPERATUR / ABGASTEMPERATUR / FLUE GAS TEMPERATURE / TEMPÉRATURE DES GAZ DE FUMÉE:	289 °C
NOMINEL EFFEKT / HEIZLEISTUNG / THERMAL OUTPUT / PUISSANCE CALORIFIQUE:	5,6 kW
VIRKNINGSGRAD / ENERGIEEFFIZIENZ / ENERGY EFFIENCY /EFFICACITÉ ÉNERGÉTIQUE:	76 %
DK: Brug kun anbefalede brændsler. Følg instrukserne i bruger manualen. Anordningen er egnet til røggassamleledning og intervalfyring. DE: Lesen und befolgen Sie die Bedienungsanleitung. Zeitbrandfeuerstätte. Nur empfohlene Brennstoffe einsetzen. UK: Fuel types (only recommended). Follow the installation and operating instruction manual. Intermittent operation. F: Veuillez lire et observer les instructions du mode d'emploi. Foyer à durèe de combustion limitèe, homologué pour cheminée à connexions multiples. Utiliser seulement les combustibles recommandés.	DK: BRÆNDE DE: HOLZ UK: WOOD FR: BOIS

(UK) Not to be used in a shared flue

Raumheizer für feste Brennstoffe
Appliance fired by wood
Poêle pour combustibles solides

Produced for:
ATTIKA FEUER AG, Brunnmatt 16, CH-6330 Cham /
RAIS A/S, Industrivej 20, DK-9900 Frederikshavn

GB

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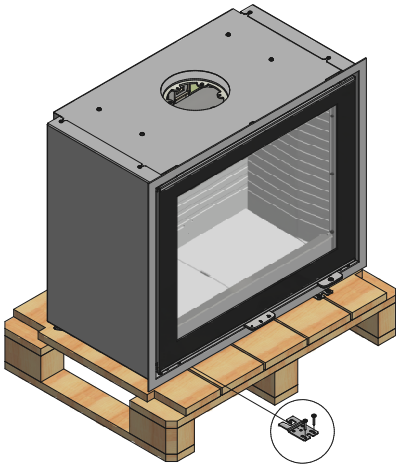
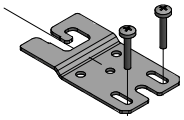
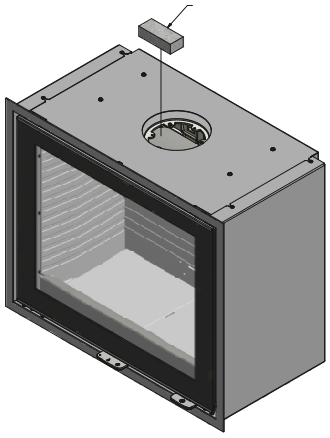
INSTALLATION

The following section explains how to install the fireplace insert and includes information about the packaging, installation distances, etc.

DELIVERY PACKAGING
The fireplace insert is supplied secured to a transport pallet using four transport safety fittings. The safety fittings are secured with screws, which must be unscrewed. The safety fitting can then be removed.







There is a polystyrene block in the top of the fireplace insert which secures the baffle during transport. The polystyrene block must be removed before starting a fire in the stove.

DISPOSAL

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.

NOTICE: DISPOSAL OF THE FIREPLACE INSERT AT THE END OF ITS LIFETIME

The glass is not recyclable.
The glass must be disposed of along with any residual ceramic or porcelain waste. Heat-resistant glass has a higher melting point, which is why it is not recyclable.

By ensuring heat-resistant glass does not end up alongside recyclable products you are making an important contribution to the environment.

CHOICE OF MATERIAL FOR INSTALLATION

The material can be panels/brick with an insulation value greater than 0.03 m² x K/W. The insulation is defined as wall thickness (in metres) divided by the wall's Lambda value.

Contact your installation technician/chimney inspector.

During testing, the fireplace insert is installed in a cabinet made from non-flammable 50 mm calcium silicate panels (Skamotec 225).

The fireplace insert must be installed in heat-resistant material.

See the following pages for the installation dimensions and the installation distances.

INSTALLATION DIMENSIONS: 500–1

Applies to installations made from non-flammable panels.

Cavity dimensions (height x width) min. 484 x 730 mm

A fireplace insert must never be installed in a cavity that is tight, since steel expands when heated.

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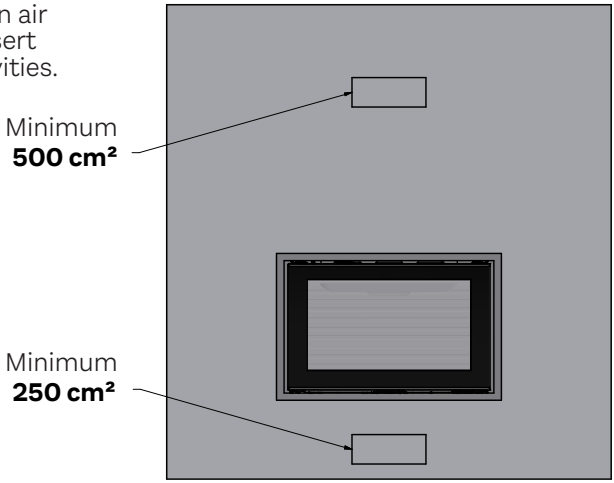
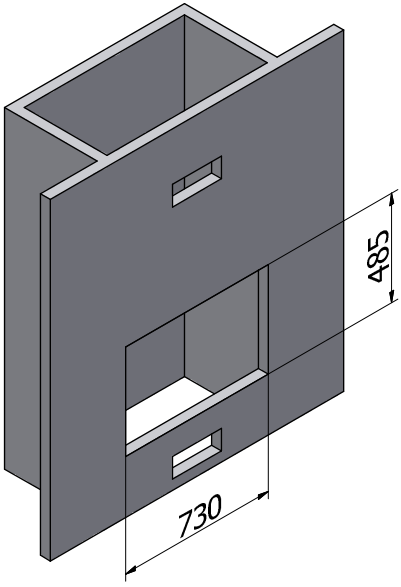
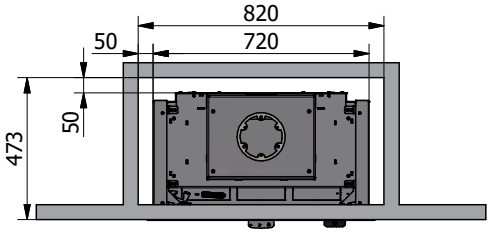
The minimum area for convection air above and below the fireplace insert can be distributed for several cavities.

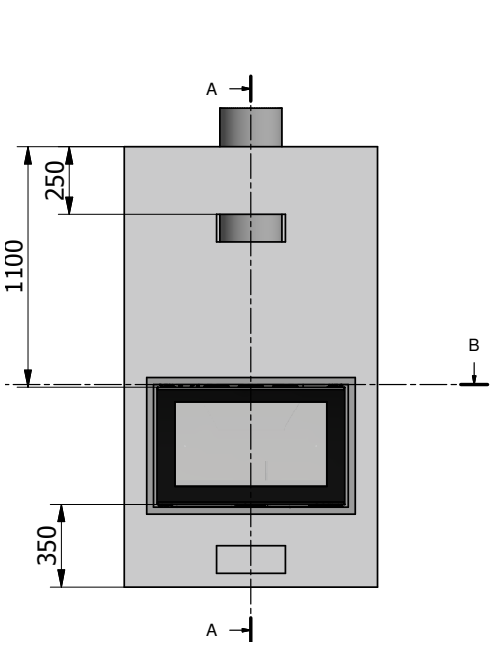


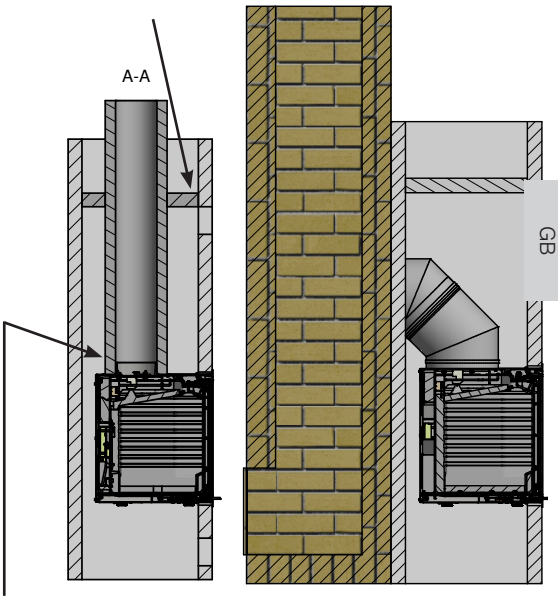




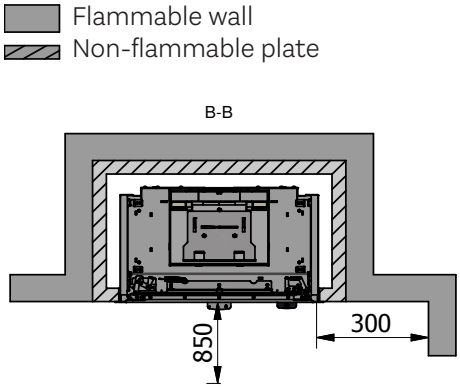
INSTALLATION DISTANCE: 500–1

A non-flammable panel must be fitted directly above the convection grate so that "standing" hot air does not develop above the convection opening. This is done to protect the ceiling and to transport the heat out of the fireplace insert.





The insulated part of the chimney **must** extend all the way down to the flue spigot. Also applies if a bended pipe is used into an existing chimney (see drawing)

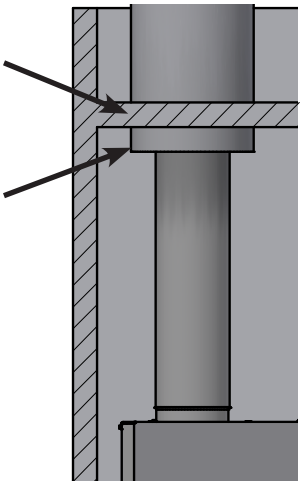


Minimum distance	Units of measurement: mm
Distance to furniture from door	850
Distance to cabinet interior	50
Distance from door to flammable ceiling	1100
Distance from convection grate to flammable ceiling	250
Distance from door to flammable floor	350
Distance to flammable at side of door	300

INSTALLATION DISTANCE: 500-1

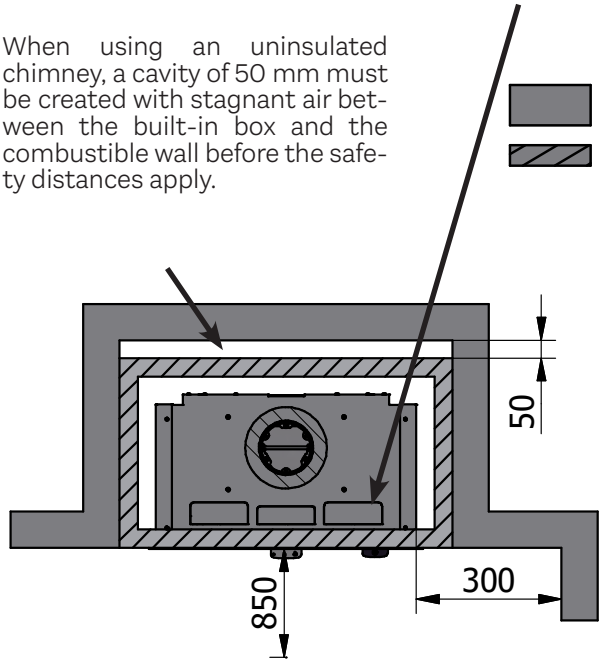
A non-combustible plate must be fitted directly above the convection opening, so that "standing" hot air does not occur above the convection opening. This is done to protect the ceiling and direct the hot air out of the cassette.

The insulated part of the chimney must pass through the non-combustible board!



When an uninsulated chimney is used, the three convection openings must be opened. see the section: Additional convection openings

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.



Minimum distance	Units of measurement: mm
Distance to furniture from door	850
Distance to cabinet interior	50
Distance from door to flammable ceiling	1100
Distance from convection grate to flammable ceiling	250
Distance from door to flammable floor	350
Distance to flammable at side of door	300
Cavity behind built-in box	50

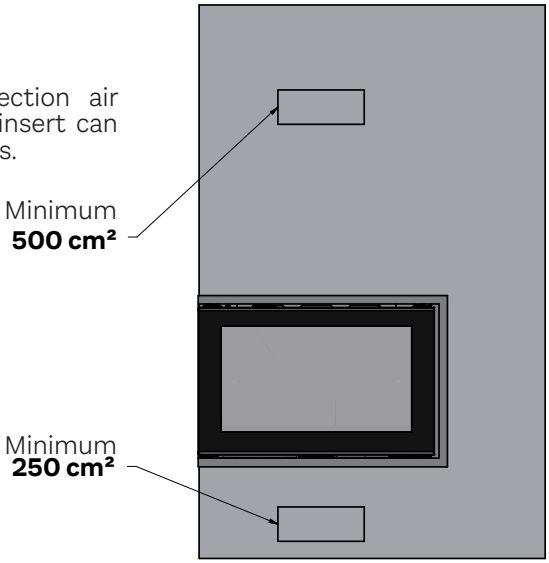
INSTALLATION DIMENSIONS: 500–2

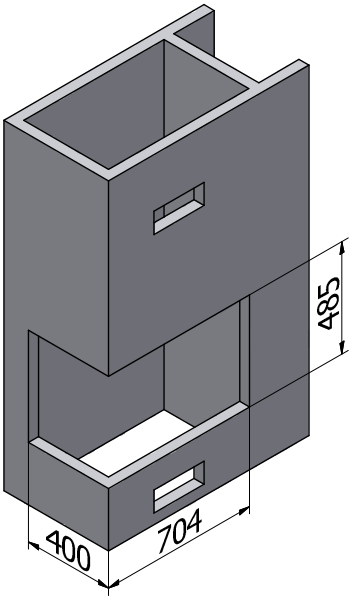
Applies to installations made from non-flammable panels.

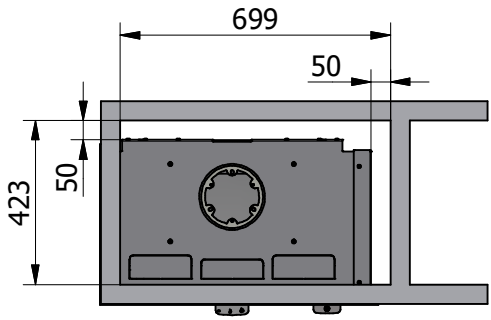
Cavity dimensions (height x width) min. 484 x 654 x 350 mm

A fireplace insert must never be installed in a cavity that is tight, since steel expands when heated.

The minimum area for convection air above and below the fireplace insert can be distributed for several cavities.



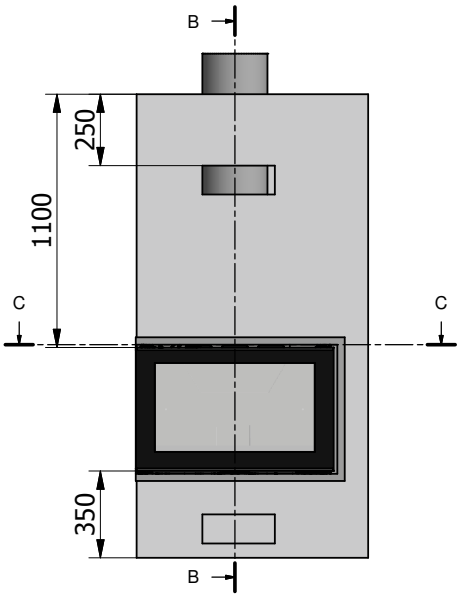


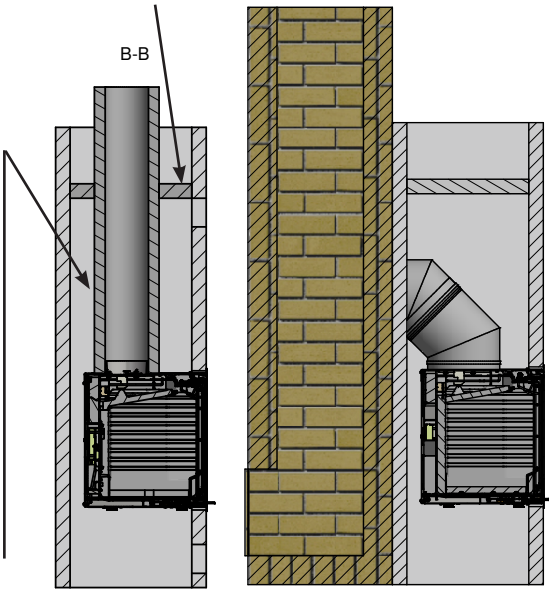


GB

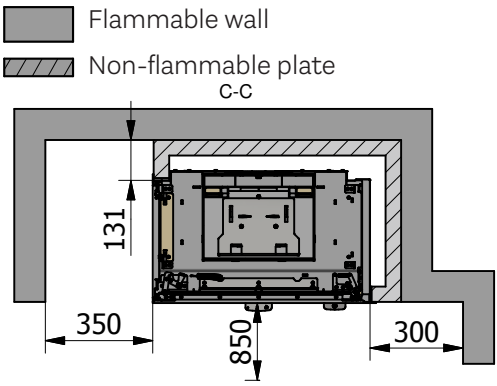
INSTALLATION DISTANCE: 500–2

A non-flammable panel must be fitted directly above the convection opening so that "standing" hot air does not develop above the convection opening. This is done to protect the ceiling and to transport the heat out of the fireplace insert.





The insulated part of the chimney **must** extend all the way down to the flue spigot. Also applies if a bended pipe is used into an existing chimney (see drawing)

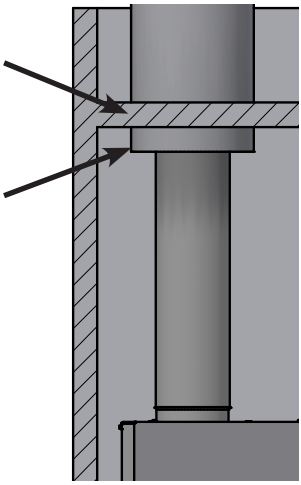


Minimum distance	Units of measurement: mm
Distance to furniture from door	850
Furniture distance from side glass	350
Distance to cabinet interior	50
Distance from door to flammable ceiling	1100
Distance from convection grate to flammable ceiling	250
Distance from door to flammable floor	350
Distance to flammable at side of door	300

INSTALLATION DISTANCE: 500-2

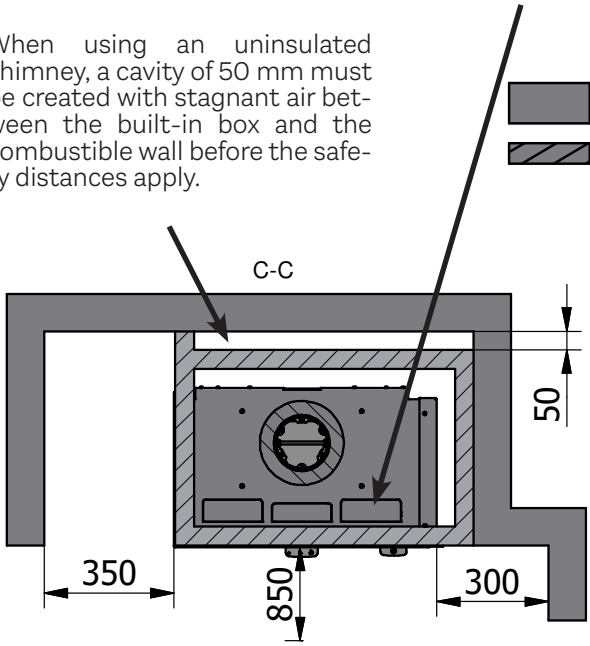
A non-combustible plate must be fitted directly above the convection opening, so that "standing" hot air does not occur above the convection opening. This is done to protect the ceiling and direct the hot air out of the cassette.

The insulated part of the chimney must pass through the non-combustible board!



When an uninsulated chimney is used, the three convection openings must be opened. see the section: Additional convection openings

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.



Minimum distance	Units of measurement: mm
Distance to furniture from door	850
Furniture distance from side glass	350
Distance to cabinet interior	50
Distance from door to flammable ceiling	1100
Distance from convection grate to flammable ceiling	250
Distance from door to flammable floor	350
Distance to flammable at side of door	300
Cavity behind built-in box	50

GB

INSTALLATION DIMENSIONS: 500–3

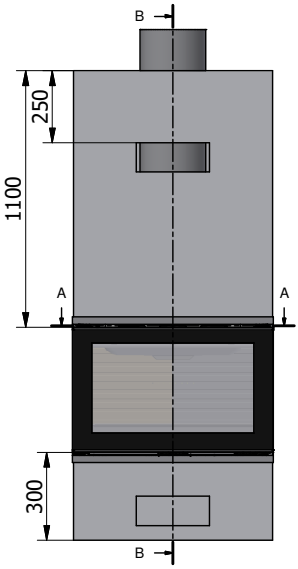
Applies to installations made from non-flammable panels.

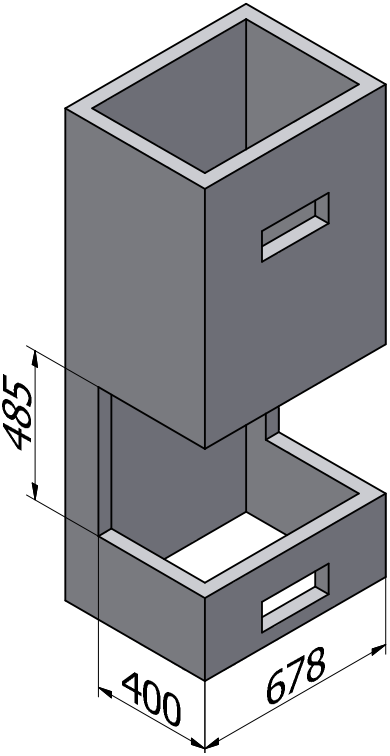
Cavity dimensions (height x width) min. 484 x 578 x 350 mm.

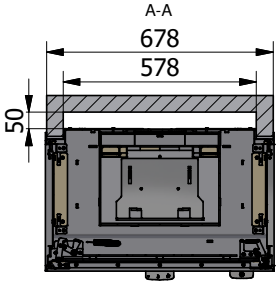
A fireplace insert must never be installed in a cavity that is tight, since steel expands when heated.

The minimum area for convection air above and below the fireplace insert can be distributed for several cavities. Minimum **500 cm²**

Minimum **250 cm²**

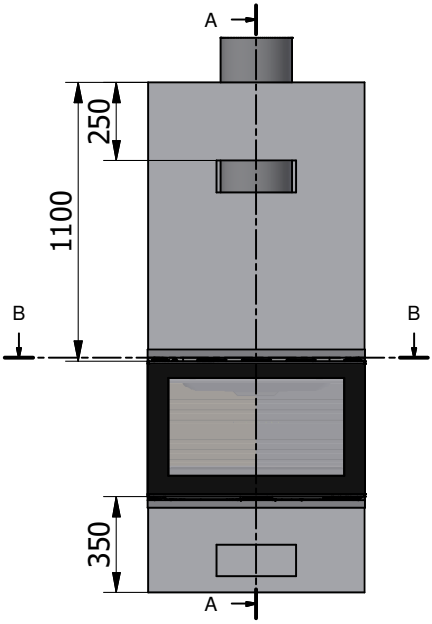


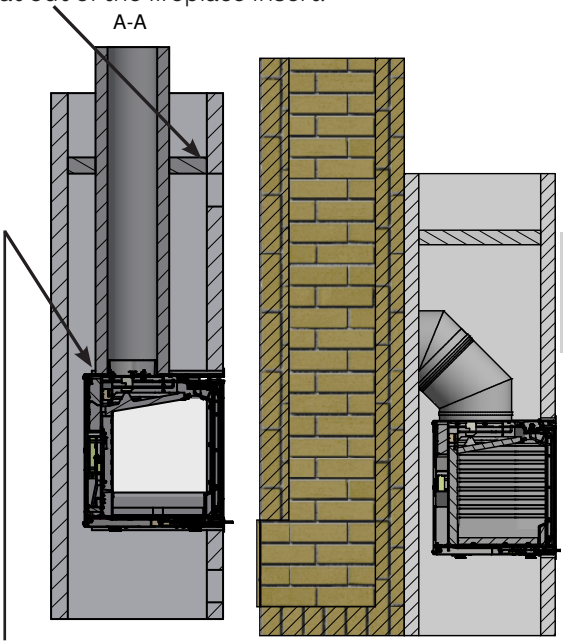




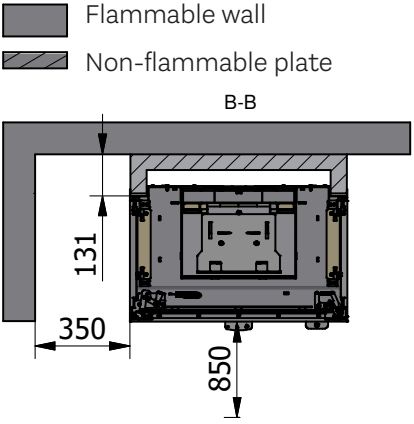
INSTALLATION DISTANCE: 500–3

A non-flammable panel must be fitted directly above the convection grate so that "standing" hot air does not develop above the convection opening. This is done to protect the ceiling and to transport the heat out of the fireplace insert.





The insulated part of the chimney **must** extend all the way down to the flue spigot. Also applies if a bended pipe is used into an existing chimney (see drawing)

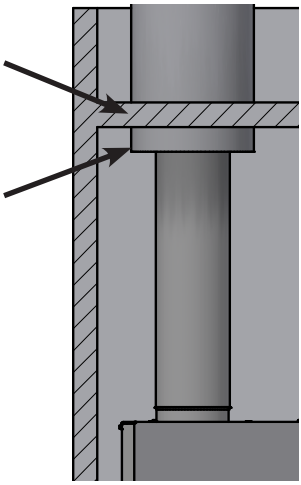


Minimum distance	Units of measurement: mm
Distance to furniture from door	850
Furniture distance from side glass	350
Distance to cabinet interior	50
Distance from door to flammable ceiling	1100
Distance from convection grate to flammable ceiling	250
Distance from door to flammable floor	350

INSTALLATION DISTANCE: 500-3

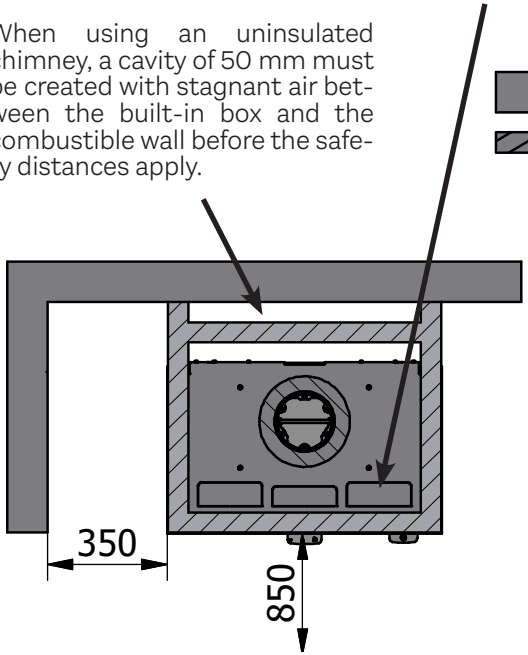
A non-combustible plate must be fitted directly above the convection opening, so that "standing" hot air does not occur above the convection opening. This is done to protect the ceiling and direct the hot air out of the cassette.

The insulated part of the chimney must pass through the non-combustible board!



When an uninsulated chimney is used, the three convection openings must be opened. see the section: Additional convection openings

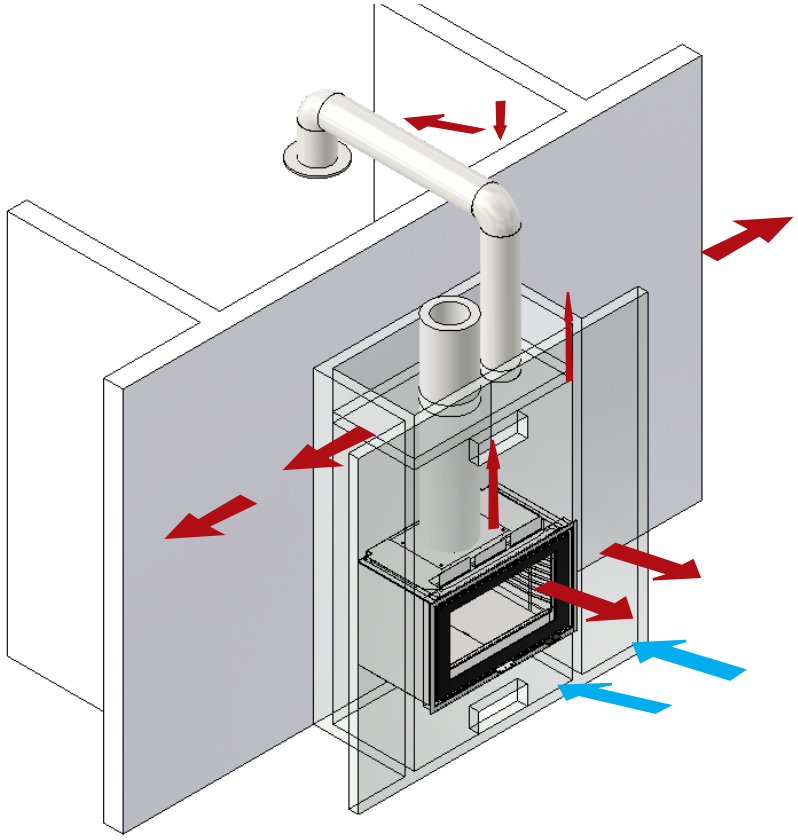
When using an uninsulated chimney, a cavity of 50 mm must be created with stagnant air between the built-in box and the combustible wall before the safety distances apply.



Minimum distance	Units of measurement: mm
Distance to furniture from door	850
Furniture distance from side glass	350
Distance to cabinet interior	50
Distance from door to flammable ceiling	1100
Distance from convection grate to flammable ceiling	250
Distance from door to flammable floor	350
Cavity behind built-in box	50

HEAT DISTRIBUTOR

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

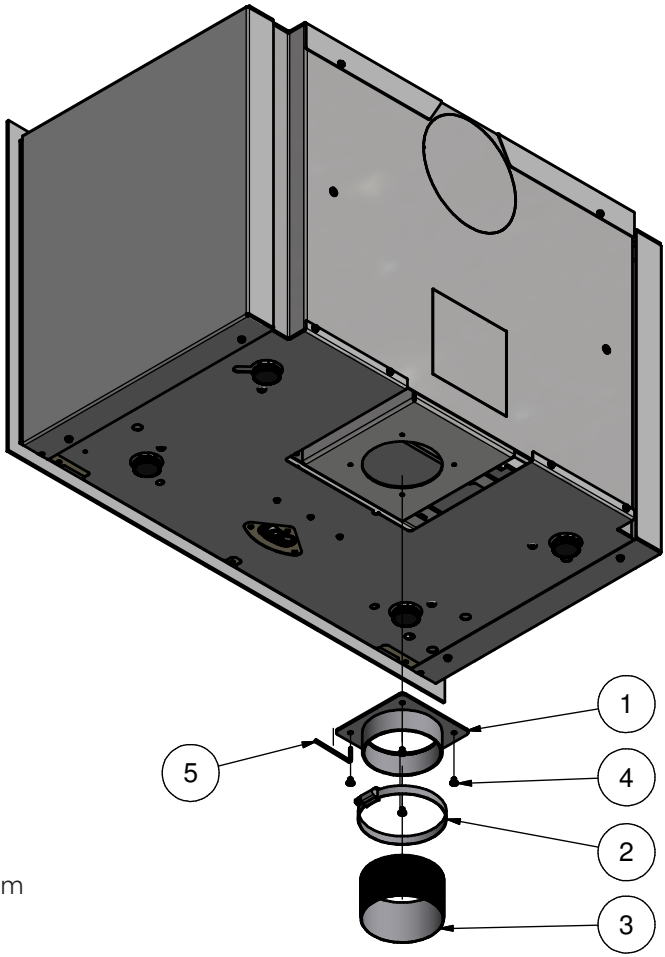


EXTERNAL AIR CONNECTION, AIRSYSTEM

All RAIS/ATTIKA fireplace inserts can have an external air connection for combustion. We call this external air supply AirSystem. The system can be connected to the underside or the rear of the fireplace insert.

INSTALLING AN AIR KIT ON THE UNDERSIDE

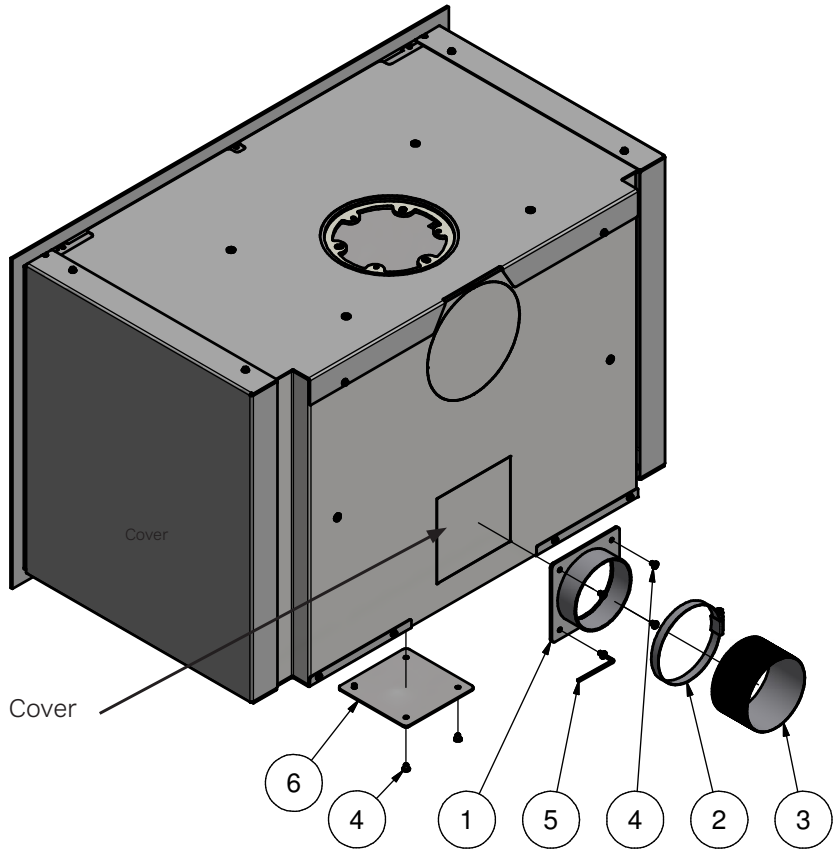
Fit the spigot (1) using the four M5 screws (4) and secure the flexible hose (3) using the hose clamp (2).



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

INSTALLING AN AIR KIT ON THE REAR SIDE

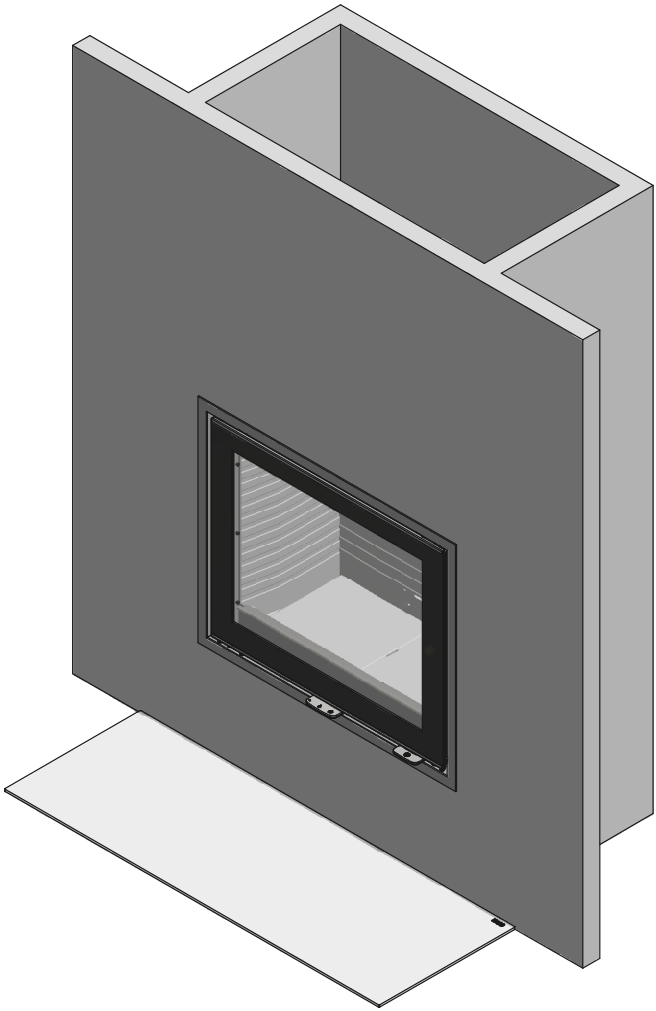
Remove the cover on the rear side of the fireplace insert and detach the cover plate (6) using a 3 mm Allen key (5).
Re-fit the cover plate to the underside of the fireplace insert using the four M5 screws (4) ensuring that the air box is sealed.
Fit the spigot (1) on the rear of the fireplace insert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



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

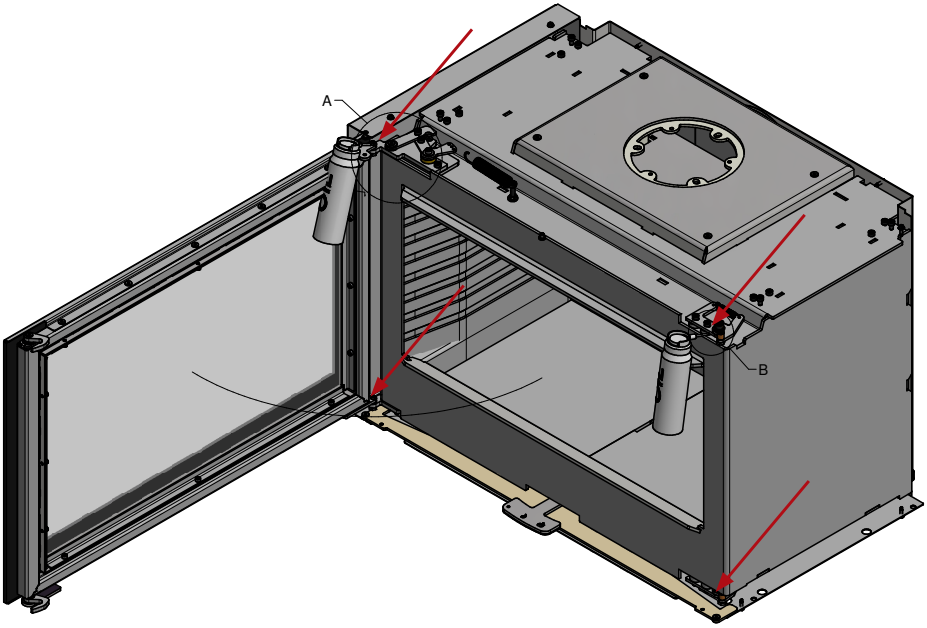
FITTING THE FLOOR PLATE

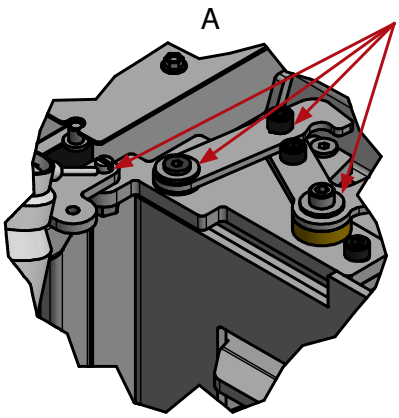
RAIS/ATTIKA supply elegant floor plates made from hardened glass that are designed for the shape of the fireplace insert. Floor plates can be purchased separately. The floor plate is simply pushed in against the fireplace insert, which allows for occasional cleaning under the plate.

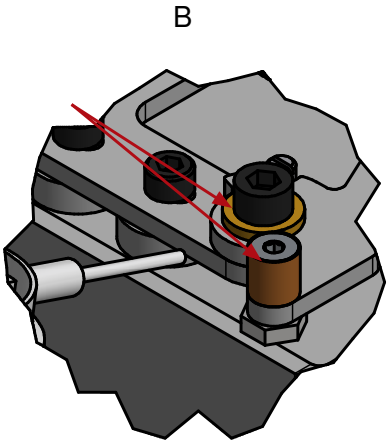


LUBRICATING THE HINGES

The fireplace must be lubricated regularly using the four moving parts on the lock and hinges (see image). Use heat-resistant oil.





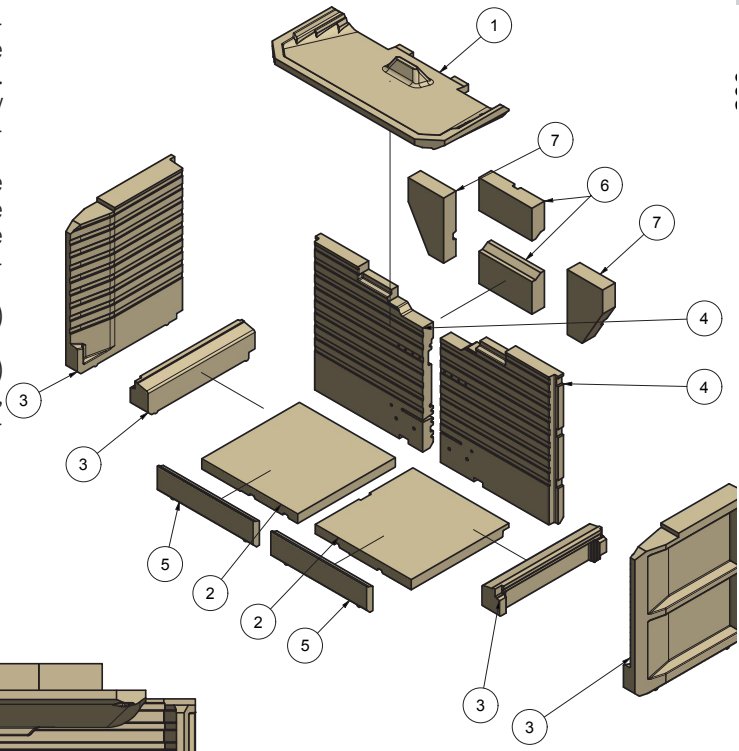


REMOVING THE COMBUSTION CHAMBER LINING

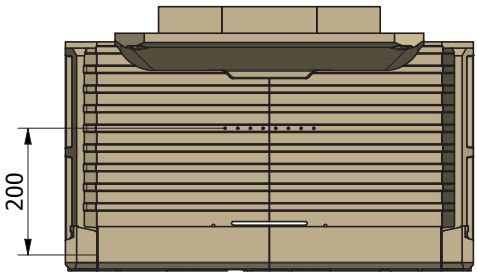
The combustion chamber lining protects the body of the fireplace insert from the heat of the fire. The large differences in temperature can lead to cracks in the combustion chamber lining. This will not affect the functionality of the fireplace insert. The lining will only need be replaced after several years of use when it begins to disintegrate.
The liner panels are easy to place in position in the fireplace insert and can easily be replaced by you or your dealer.

Procedure for removing the combustion chamber lining:

1. Remove the flue panel (1) by pushing the front up and turn the two brackets to the side. The flue panel can now be carefully removed.
2. Remove the base panels (2).
3. Loosen the side panels by turning the end of the panel in towards the fireplace's centre. Next, carefully remove them.
4. Remove the rear panels (4) by removing the lock in the top of the panels. The panels are now loose and can be removed.
5. The panels (5) are located under the turbo plate and are not normally removed.
6. Tilt the panels (6) forward to take out.
7. Tilt the panels (7) toward the centre, tilt forward and remove.



The top tertiary row holes marks the "MAX load" limit.
Do not fill with wood above this line.



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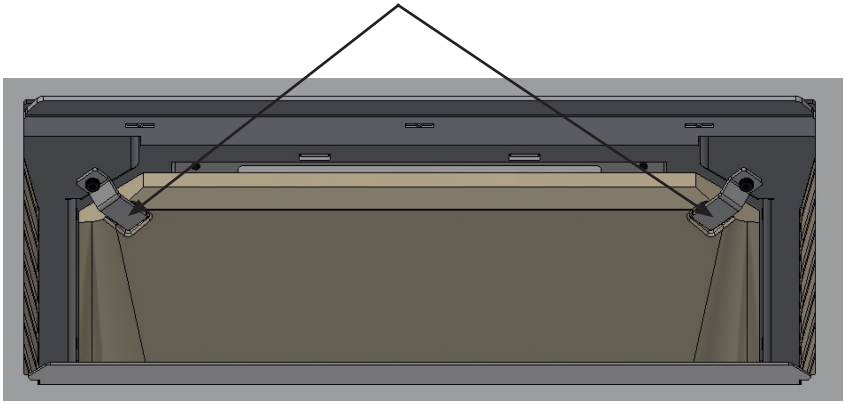
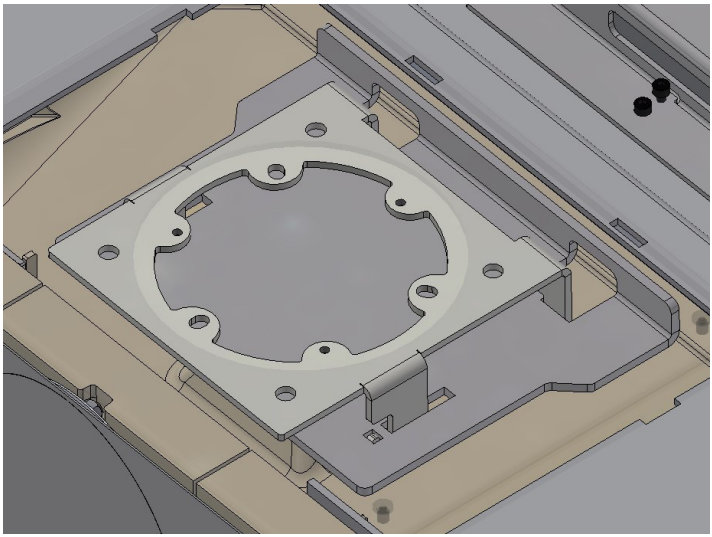
CLEANING THE FLUE

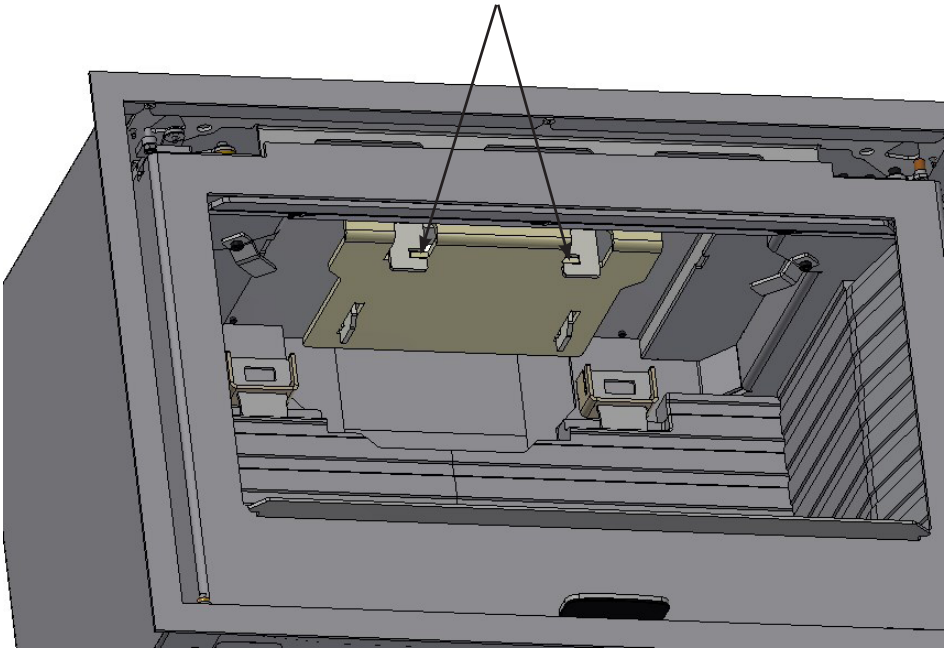
Remove the baffle plate by pushing the front up and turn the two brackets to the side. The baffle plate can now be carefully removed.



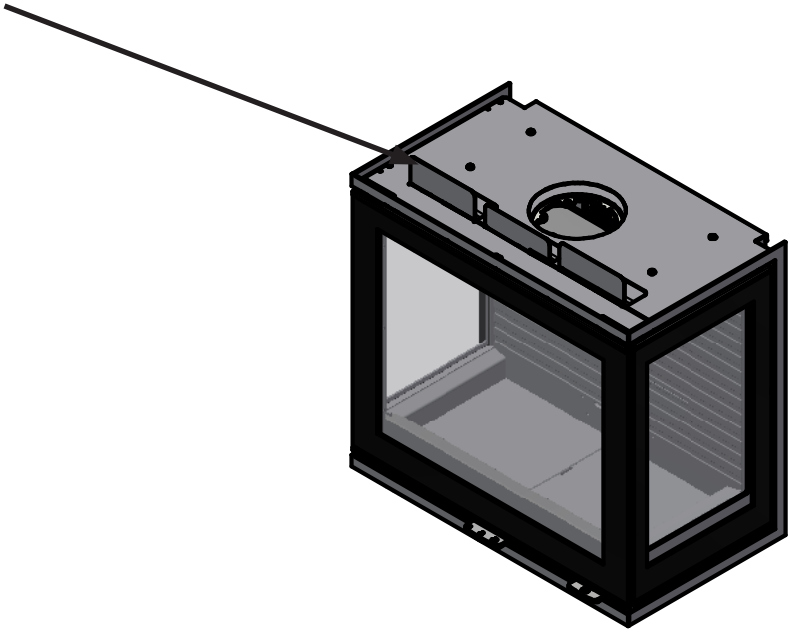
Remove the steel baffle by pushing the baffle up and back, freeing it from the bracket.



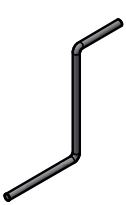
Push the baffle back sufficiently to free it from the bearing surfaces in the front of the fireplace insert. Fit the parts in reverse order.

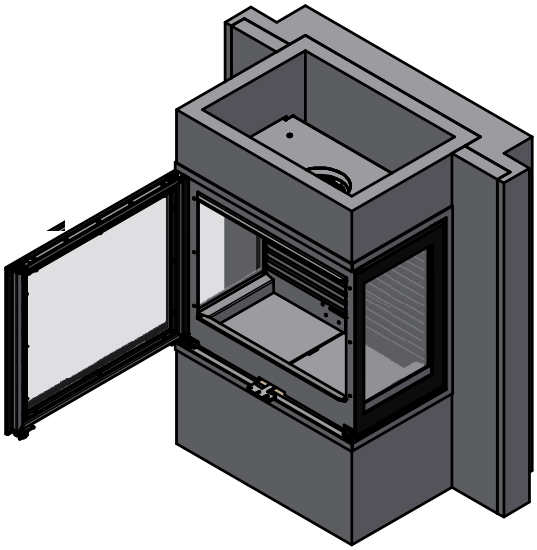


To provide better air circulation and a cooler wall above the insert, we recommend that the extra convection openings be opened before the installation is completed. The three flaps are bent up to 90°



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



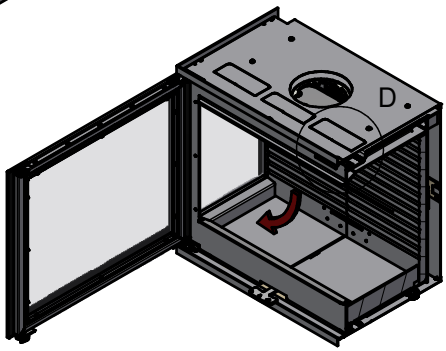


Step 1

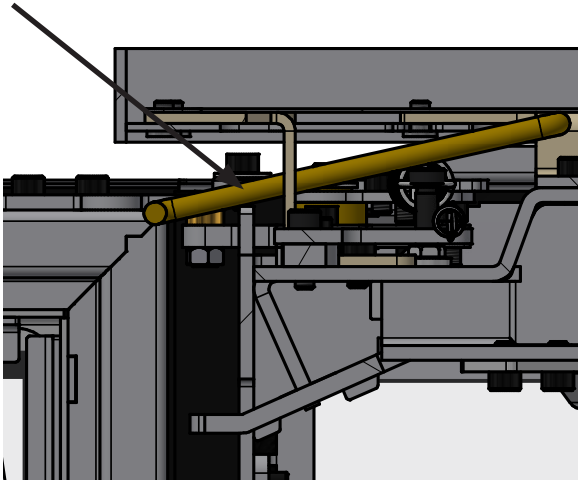
Open the door.

Step 2

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.



11-0000-040118



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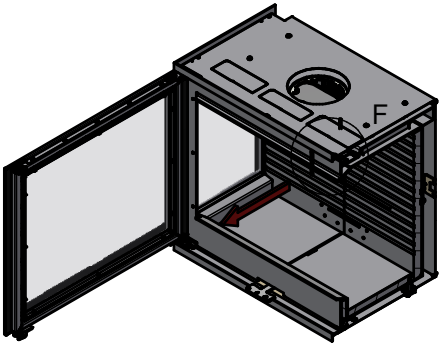
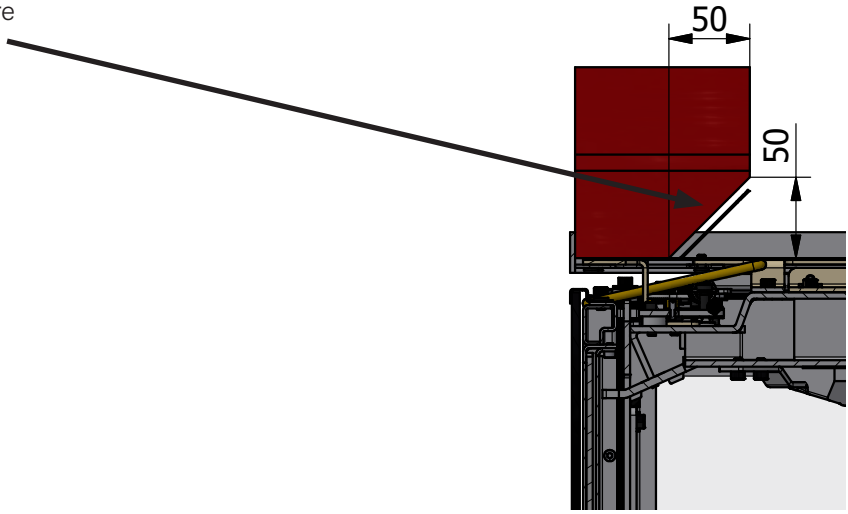
Step 3

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

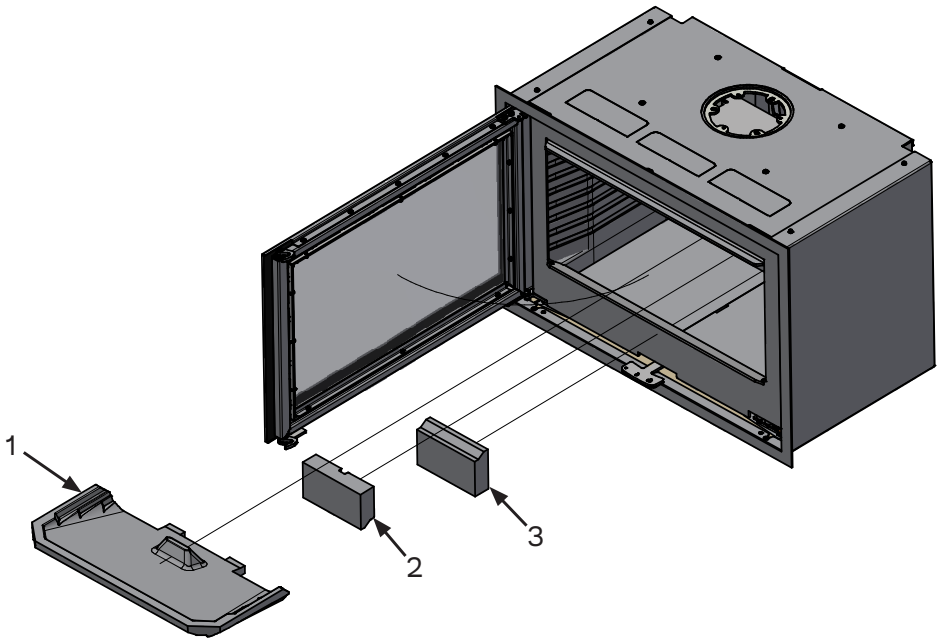


The insert is prepared for top exit upon delivery, but can be changed to rear exit as follows.

1. Start by removing the baffle plate plate, see the section ”Cleaning flue paths”

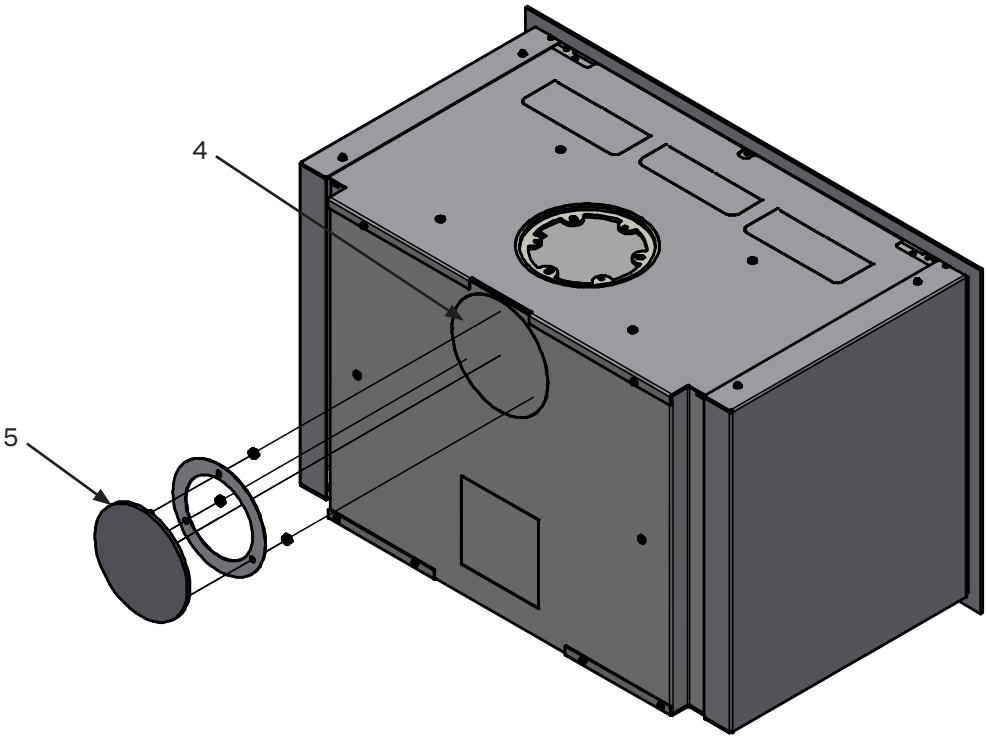
2. Next, the top back plate in the center covering the rear exit must be removed.

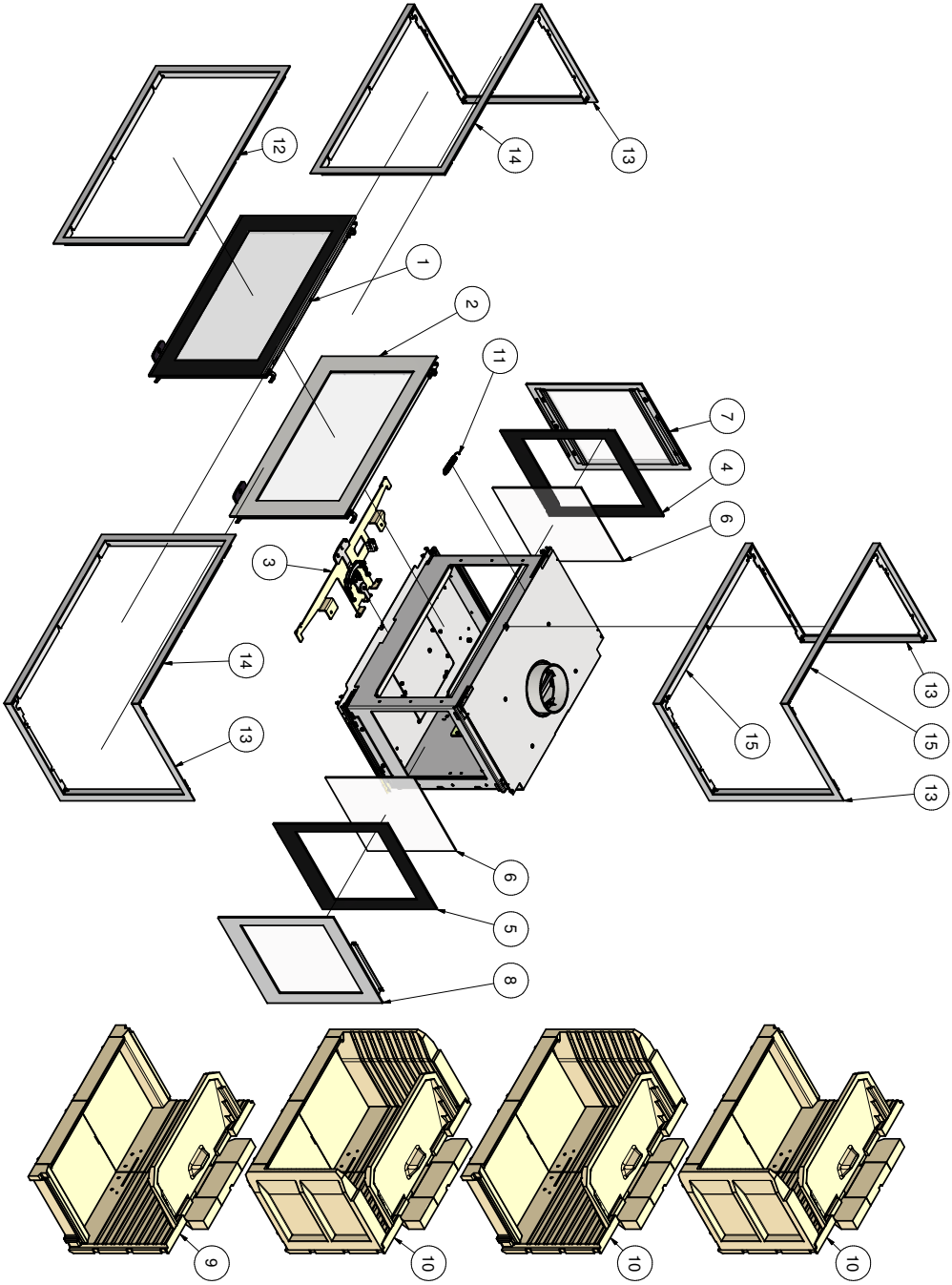
3. Finally, remove the lower back plate in the middle.



4. Using a hammer, carefully remove the knock-out form from the back of the insert.

5. Demount the blind cover and gasket by removing the three nuts, then fit the blind cover onto the top outlet. The baffle plate (1) is fitted again. Mount the flue collar on the rear outlet.

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xx: optional colour code

POS.	PCS.	ITEM NUMBER	TITLE
1	1	17-0000-1003	GLASS DOOR - DOUBLE GLASS
2	1	17-0000-1004XX	CLASSIC DOOR - SINGLE GLASS
3	1	17-0000-010107MON	AIRDAMPER
4	1	17-0000-5003	SIDE OUTER GLASS LEFT
5	1	11-0000-5004	SIDE OUTER GLASS RIGHT
6	2	11-0000-5005	INNER GLASS
7	1	17-0000-2601XX	STEEL SIDE - LEFT
8	1	17-0000-2602XX	STEEL SIDE - RIGHT
9	1	17-0000-2201	SKAMOL SET 3G MODEL
10	1	17-0000-2202	SKAMOL SET FRONT & CORNER MODEL
11	1	7301026	BA 1 SPRING
12	1	17-0000-140106XX	FRONT COVER
13	1	17-0000-140102XX	SIDE COVER CORNER MODEL
14	1	17-0000-140110XX	FRONT COVER CORNER MODEL
15	2	17-0000-140101XX	FRONT COVER 3G MODEL

DECLARATION OF PERFORMANCE

GB

DK YDEEVNEDEKLARATION

Forordning (EU) 305/2011 Nr. 0001 — CPR-2013/07/01

Nr.: 17

RAIS® ART OF FIRE

1. **Identifikation**	Rais 500-1 Front model - Glass version, Rais 500-1 Front model - Classic version Rais 500-2 Right model - Glass version, Rais 500-2 Right model - Classic version Rais 500-2 Left model - Glass version, Rais 500-2 Left model - Classic version Rais 500-3 3 glass model - Glass version, Rais 500-3 3 glass model - Classic version	
2. **Type**	Rumopvarmer (indsats) fyret med fast brændsel	
3. **Anvendelse**	Rumopvarmer (indsats) fyret med fast brændsel uden varmtvandsforsyning	
4. **Producent**	RAIS A/S Industrivej 20, Vangen DK-9900 Frederikshavn, Danmark	Telefon +45 98 47 90 33 Telefax +45 98 47 92 91 Webmail kundeservice@rais.dk Hjemmeside www.rais.com
5. **Bemyndigede repræsentant**	-	
6. **System for vurdering/kontrol af konstansen af ydeevnen (AVCP)**	System 3	
7. **Notificeret organ**	*Danish Technological Institute - Identification no. 1235* *Teknologiparken, Kongsvang Allé 29, DK-8000 Århus C, Danmark*	
Prøvningsrapport nr.	a. 300-ELAB-2555-EN	
8. **Deklareret ydeevne**	Harmoniseret teknisk specifikation:	EN 13229:2001/A1:2003/A2:2004

Væsentlige egenskaber		**Ydeevne** • Isoleret Røgrør • 50 mm skamotec ikke brændbar plade Afstande er målt udvendigt på indbygningskasse		
Brandsikkerhed				
Reaktion ved brand	A1	**Rais 500 Front Model**	**Rais 500 Right Model Rais 500 Left Model**	**Rais 500 3G Model**
Afstand til brændbare materialer Minimum afstande [mm] *Se brugermanual for andre opstillingsafstande*	Til bagvæg	0	0	0
	Til sidevæg	0	350	350
	Til loft/over ovn	1100	1100	1100
	Front/foran ovn	850	850	850
	Til gulv/under ovn	350	350	350
Brandfare p.g.a. udfald af træ	Bestået			
OGC (mg C/normal m^3 ved 13 % O_2)	67			
CO-udledning af forbrændings-produkter (rel. 13 Vol-% O_2)	0,09 % / 1125 mg/Nm^3			
NO_x (mg/normal m^3 ved 13 % O_2)	79			
Støv mg/Nm^3 ved (rel. 13 Vol-% O_2)	10			
Overfladetemperatur	Bestået			
Elektrisk sikkerhed	NPD			
Rengøringsvenlighed	Bestået			
Maks. tryk i vandtank under drift	- bar			
Røggastemperatur ved nominel varmeydelse	289 °C			
Mekanisk resistens (evne til at bære skorsten/røgrør)	NPD			
Termisk ydelse				
Nominel ydelse	5,6 kW			
Rumopvarmningsydelse	5,6 kW			
Vandopvarmningsydelse	- kW			
Virkningsgrad η	76 %			
Årsvirkningsgrad $\eta S,on$	66 %			

9. **Ydeevnen for produktet, der er anført i punkt 1 og 2, er i overensstemmelse med den deklarerede ydeevne i punkt 8. Denne ydeevnedeklaration udstedes på eneansvar af den producent, der er anført i punkt 4.**

Underskrevet for og på vegne af producenten:

John Engell Nielsen, R&D Manager

Sted FREDERIKSHAVN, DANMARK

31-03-2022

Underskrift

TEST CERTIFICATE

DANAK
TEST Reg.nr. 300

TEKNOLOGISK INSTITUT

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TEKNOLOGISK INSTITUT
Akkrediteret prøvningsorgan, DANAK-akkreditering nr. 300
Notificeret prøvningsorgan med ID-nr. 1235

Prøvningsattest IV

Uddrag af rapport nr. 300-ELAB-2555-EN og 300-ELAB-2555-NS

Emne: Pejseindsatse: Rais 500 Front, Right, Left & 3 Glass modeller i Glas & Classic.

Rekvirent: Rais A/S
Industrivej 20, Vangen, DK – 9900 Frederikshavn

Procedure:

X	Prøvning efter DS/EN13229/A2:2004
X	Prøvning efter NS3058-1 & -2 (partikelmåling)
X	Emissionsmåling af støv og OGC

Prøvningsresultater

Akkrediteret prøvning af brændeovn iht. EN 13229 er foretaget med brænde der påfyres manuelt, og følgende resultater blev opnået:

Nominel ydelse:	5,6	kW
CO-emission:	0,09	% - henført til 13 % O_2
Virkningsgrad:	76	%
Røggastemperatur:	289	°C
Afstand til bagvæg:	-	se opstillingsvejledning
Afstand til sidevæg:	-	se opstillingsvejledning

Emissioner iht. NS 3058 og/eller CEN/TS 15883:

Partikler efter NS 3058:	2,89	g/kg (tørstof) middelværdi (krav: ≤4)
Partikler efter NS 3058:	3,52	g/kg (tørstof) maksimalt (krav: ≤8)
OGC efter CEN/TS 15883:	67	mgC/Nm³ ved 13% O_2 (krav: ≤120)
Støv efter EN 16510-1:	10	mg/Nm³ ved 13% O_2 (krav: ≤30)

Bemærk venligst, at de oplyste værdier er et uddrag af prøvningsrapporten.
For yderligere oplysninger henvises til prøvningsrapporten, se nummer ovenfor.

Aarhus, den 29.06.2021 Max Bjerrum B.Sc.	Skorstensfejerpåtegning

På baggrund af ovennævnte emissioner attesteres det hermed, at fyringsanlægget opfylder emissionskravene i bilag 1 til Bekendtgørelse nr. 541 af 27/04-2020 om regulering af luftforurening fra fyringsanlæg til fast brændsel under 1 MW.

Max Bjerrum
2021.06.29 13:00:14 +02'00'

Rais 2555 Rais 500 1G_2G_3G.docx

GB

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