



VISIO UNIQ

INSTALLATIONSVEJLEDNING (DK)

INSTALLATIONSANLEITUNG (DE)

INSTALLATION GUIDE (UK)

NOTICE D'INSTALLATION (FR)

INSTALLASJONSVEILEDNING (NO)

INSTALLATIONSANVISNING (SE)

ASENNUSOHJEET (FIN)

INSTALLATIEHANDLEIDING (NL)

SERIAL NUMBER MUST BE
PLACED HERE

INSTALLATION INSTRUCTIONS

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Revision: 3
Date: 16-05-2023

INSTALLATION INSTRUCTIONS

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.

GENERAL INFORMATION

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.

GENERAL INSTALLATION REQUIREMENTS

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

There must be a plentiful supply of fresh air into the room where the insert is placed to ensure good combustion, possibly 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 air consumption of the fireplace insert is 32 m³/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 falling 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 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.

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 of smoke puffing from the door may arise when heating. We recommend adapting the chimney to the flue pipe collar. The collar is 200 mm in diameter.

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 cm² when the regulating damper is closed.

Remember: 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 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.

The fireplace insert is suitable for being connected to a shared flue, but we recommend that the feed-ins are positioned to maintain a clearance-level difference of at least 250 mm between them.

Note!

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

TECHNICAL DATA

SPECIFICATIONS	
Danish Technological Institute ref.:	300-ELAB-2564-EN
	VISIO UNIQ, 3-SIDED MODEL
Nominal output (kW)	9.3
Min./max. output (kW)	7-11*
Heating area (m ²)	180
Fireplace insert W x D x H (mm)	891 X 632 X 1525
Combustion chamber W x D x H (mm)	482 X 279 X 250**
Min. flue draught (pascal)	-12
Weight (kg) min., depending on the model	268
Efficiency (%)	78
CO emission attributed to 13% O ₂ (%)	0.0714 (893 mg/Nm ³)
NOx emission attributed to 13% O ₂ (mg/Nm ³)	113
OGC emission attributed to 13% O ₂ (mg/Nm ³)	57
Particle emission in accordance with NS3058/3059 (g/kg)	2.12
Dust measurement in accordance with DIN + 13% O ₂ (mg/Nm ³)	23
Flue gas flow (g/s)	10.6
Flue gas temperature (°C)	228
Intended flue gas temperature (°C) at flue collar	360
Recommended wood volume (kg) for stoking the fire (Dispersed over three pieces of firewood)	2.1
Intermittent operation	Stoking should be done within 46 minutes

The fireplace insert was tested and approved by:
DTI

Danish Technological Institute
Teknologiparken Kongsvang Allé 29
8000 Aarhus C

Denmark

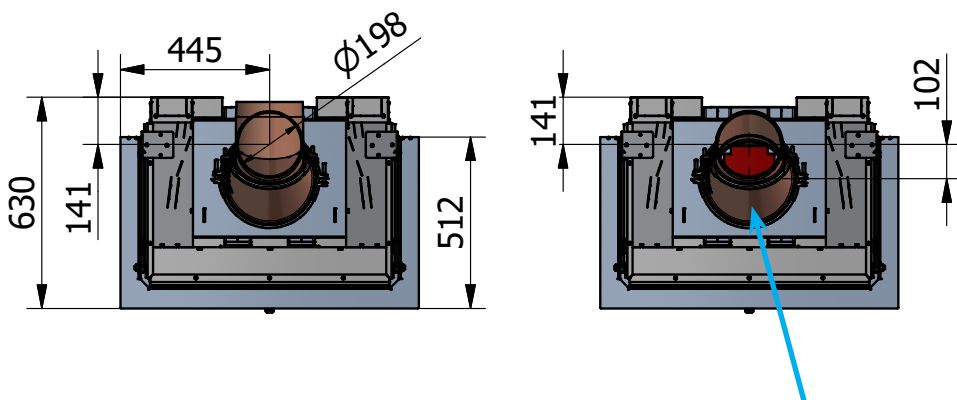
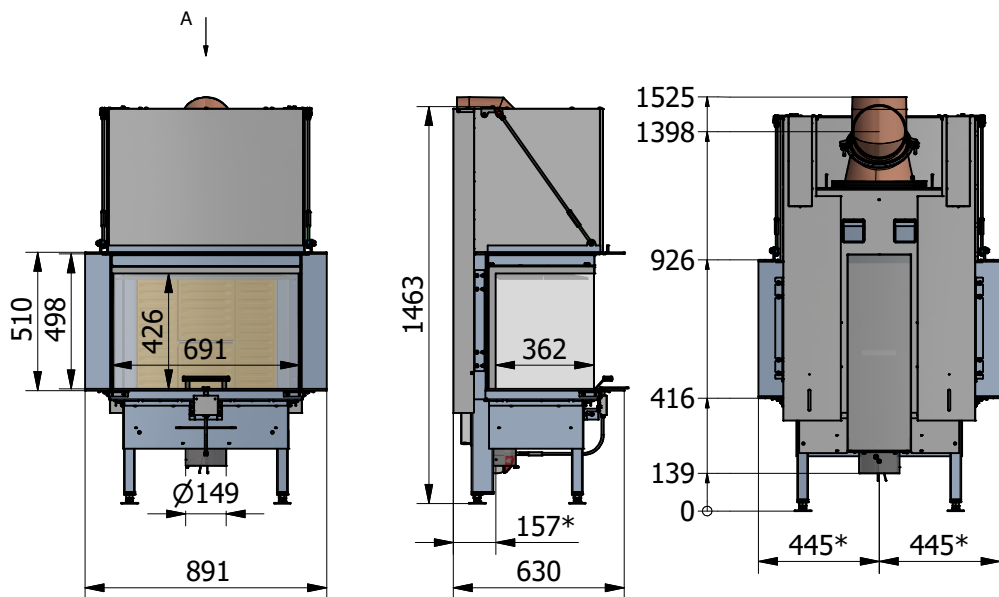
www.dti.dk

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

*Not verified by test.

**Max. load

DIMENSIONAL SKETCHES



All dimensions are in mm.

* AirSystem

The top section of the flue collar can be moved around in a radius of 149 mm around the centre of the flue outlet.

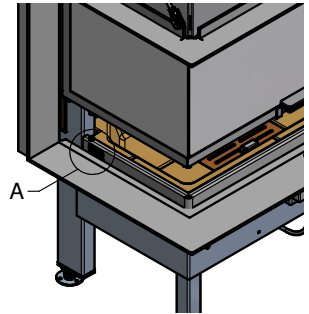
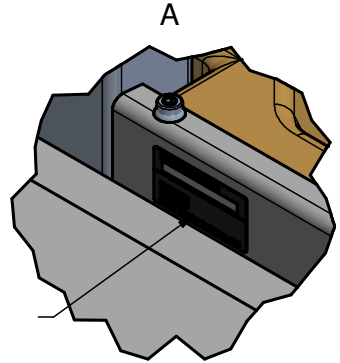
INFORMATION PLATE

INFORMATION PLATE

All RAIS/ATTIKA fireplace inserts have a rating plate specifying the distance from the fireplace insert to flammable materials, efficiency, etc. The rating plate is lying unattached in the fireplace insert upon delivery.

The serial number is found in the bottom left corner of the fireplace insert. See drawing.

It is also found at the front of this installation manual.



CE	
Notified Body: 1235	
Produced at: RAIS A/S, Industrivej 20, 9900 Frederikshavn, Danmark	
EN 13229:2001+A1:2003+A2:2004	21
EC.NO: 127	Raumheizer für feste Brennstoffe
Visio Uniq	Appliance fired by wood
	Poêle pour combustibles solides
<p>AFSTAND TIL BRÆNDBART, BAGVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, HINTEN DISTANCE TO COMBUSTIBLE BACK WALL DIST. ENTRE COMPOSANTS COMBUSTIBLES, ARRIÈRE</p> <p>AFSTAND TIL BRÆNDBART, SIDEVÆG ABSTAND ZU BRENNBAREN BAUTEILEN, SEITE DISTANCE TO COMBUSTIBLE SIDE WALL DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, COTÉ</p> <p>AFSTAND TIL BRÆNDBART, MØBLERING ABSTAND VORNE ZU BRENNBAREN MÖBELN DISTANCE TO FURNITURE AT THE FRONT DISTANCE ENTRE COMPOSANTS COMBUSTIBLES, DEVANT</p> <p>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)</p> <p>STØV / STAUB / DUST / POUSSIÈRES:</p> <p>ROGGASTEMPERATUR / AFGASTEMPERATUR / FLUE GAS TEMPERATURE / TEMPÉRATURE DES GAZ DE FUMÉE:</p> <p>NOMINEL EFFEKT / HEIZLEISTUNG / THERMAL OUTPUT / PUISSANCE CALORIFIQUE:</p> <p>VIRKNINGSGRAD / ENERGIEEFFIZIENZ / ENERGY EFFICIENCY / EFFICACITÉ ÉNERGÉTIQUE:</p> <p>DK: Brug kun anbefalede brændstoffer. Følg instrukserne i brugermanualen. Anordningen er egnet til røggasansledning og intervallyring.</p> <p>DE: Lesen und befolgen Sie die Bedienungsanleitung. Zettbrandstoffeinsatz. Nur empfohlene Brennstoffe einsetzen.</p> <p>UK: Fuel types (only recommended). Follow the installation and operating instruction manual. Intermittent operation.</p> <p>F: Veuillez lire et observer les instructions du mode d'emploi. Foyer à durée de combustion limitée, homologué pour cheminée à connexions multiples. Utiliser seulement les combustibles recommandés.</p>	<p>DK: SE BRUGERVEJLEDNING DE: SIEHE BEDIENUNGSANLEITUNG UK: SEE USER MANUAL FR: CONSULTEZ LE GUIDE DE L'UTILISATEUR</p> <p>DK: SE BRUGERVEJLEDNING DE: SIEHE BEDIENUNGSANLEITUNG UK: SEE USER MANUAL FR: CONSULTEZ LE GUIDE DE L'UTILISATEUR</p> <p>DK: 1000 mm/SE BRUGERVEJLEDNING DE: 1000 mm/SIEHE BEDIENUNGSANLEITUNG UK: 1000 mm/SEE USER MANUAL FR: 1000 mm/CONSULTEZ LE GUIDE DE L'UTILISATEUR</p> <p>DK: 0.0714% DE: 0.0714% / 893 mg/Nm³ UK: 0.0714% FR: 0.0714%</p> <p>DK: 23 mg/Nm³ / DE: 23 mg/Nm³ UK: 23 mg/Nm³ / FR: 23 mg/Nm³</p> <p>DK: 228 °C / DE: 228 °C UK: 228 °C / FR: 228 °C</p> <p>DK: 9.3 kW / DE: 9.3 kW UK: 9.3 kW / FR: 9.3 kW</p> <p>DK: 78 % / DE: 78 % UK: 78 % / FR: 78 %</p> <p>DK: BRÆNDE</p> <p>DE: HOLZ</p> <p>UK: WOOD</p> <p>FR: BOIS</p>
Hergestellt für/Produced for: ATTIKA FEUER AG, Brunnmatt 16, CH-6330 Cham / RAIS A/S, Industrivej 20, DK-9900 Frederikshavn	

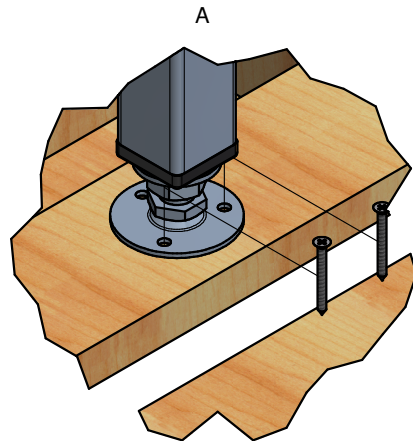
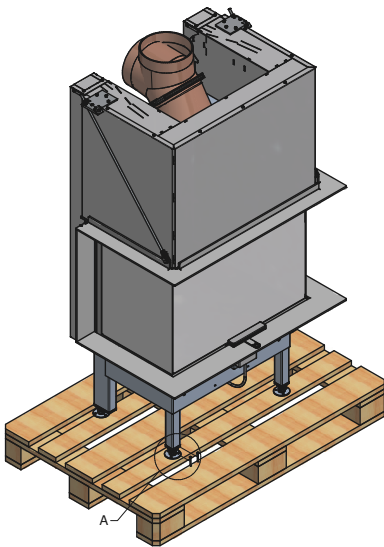
INSTALLATION

INSTALLATION

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

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.



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.

NB: DISPOSE OF THE FIREPLACE INSERT WHEN IT IS WORN OUT.

The glass is not recyclable.

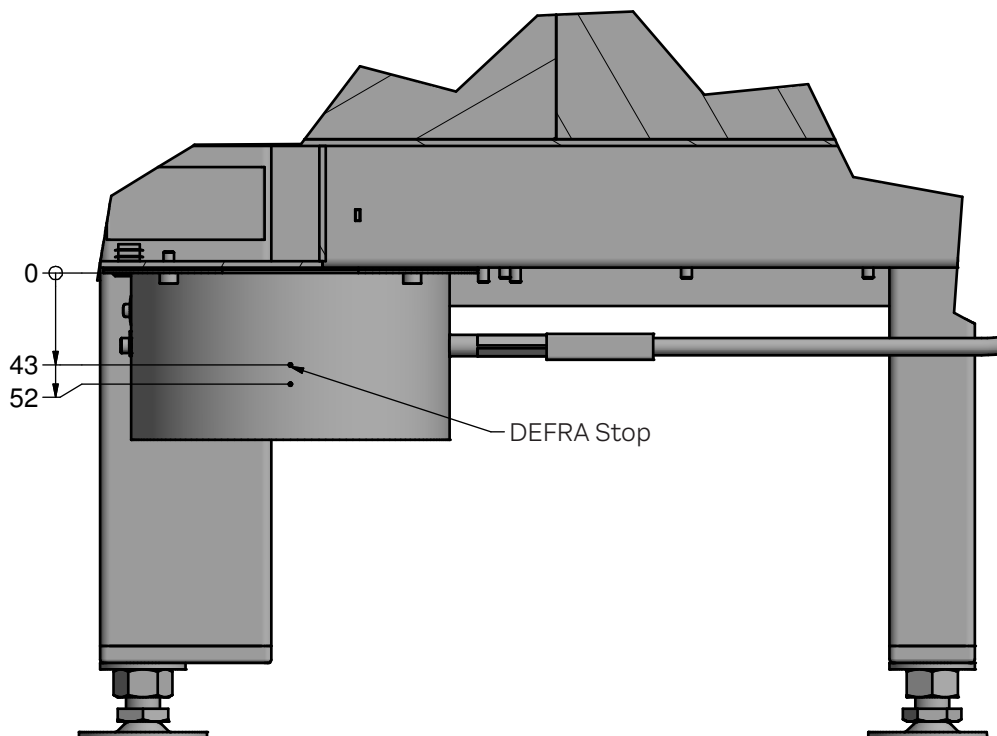
The glass must be disposed of along with any residual ceramic or porcelain waste. Heat-resistant glass has a higher melting point, which is why it is not recyclable.

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

Important!

According to DEFRA rules, the installation of Visio Uniq in the UK requires the insertion of a mechanical stopper in the flue.

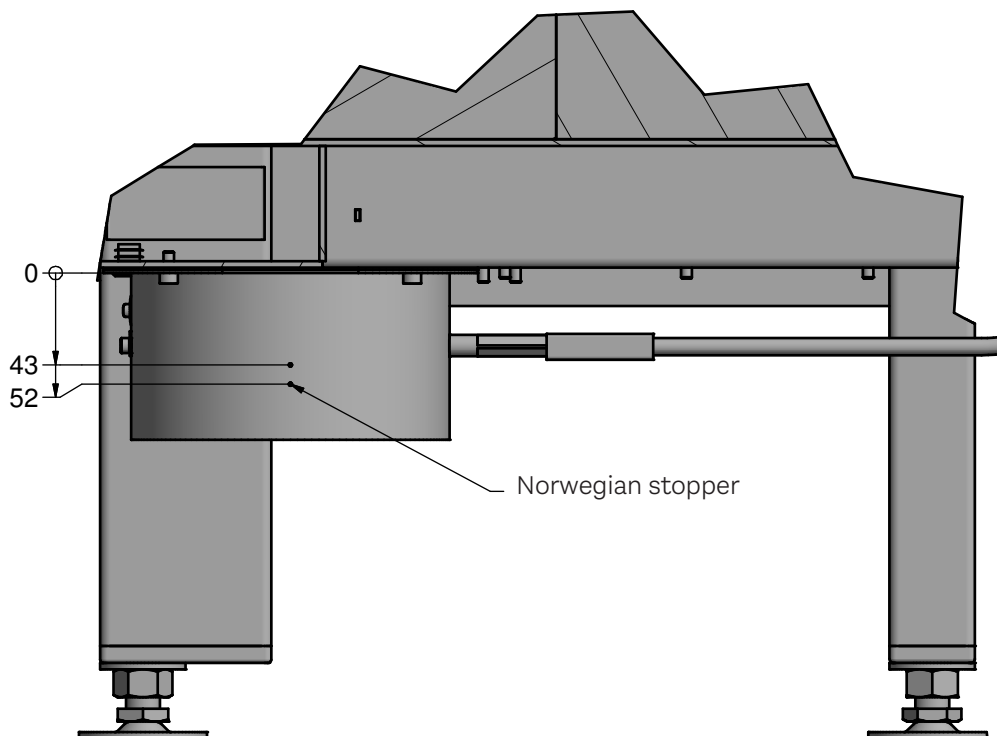
Before Visio Uniq may be installed in a 'smoke-controlled area' of the UK, a stopper must be installed. This will prevent the flue from closing entirely. This is done by setting the flue handle in the middle position, after which the enclosed 5.5 x 16 self-tapping screw is mounted in the hole 43 mm below the flue collar. See the drawing below!



Important!

The installation of Visio Uniq in Norway pursuant to Norway's open-plan office rules requires the insertion of a mechanical stopper in the flue.

Before Visio Uniq may be installed in Norway, a stopper must be installed. This will prevent the flue from closing entirely. This is done by setting the flue handle in the middle position, after which the enclosed 5.5 x 16 self-tapping screw is mounted in the hole 52 mm below the flue collar. See the drawing below!



Important!

For delivery, the door is locked in transit and it must be released before installation. This is done by removing the two transport screws in the counterweights on the back of the stove!



REFLECTIVE INSULATION PANEL

For installation with a top outlet, a reflective insulation panel must be installed to cover the flue collar up to the insulated chimney pipe.

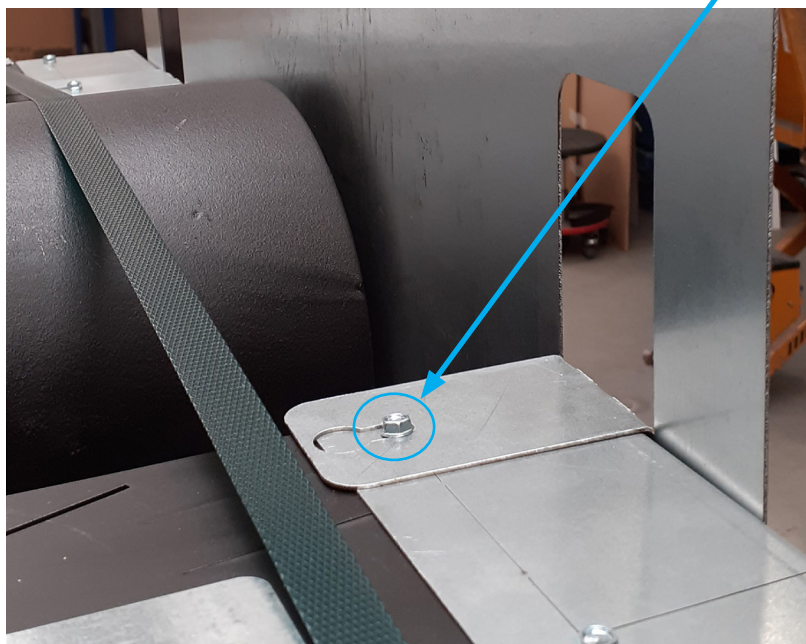
The reflective insulation panel is included and is found screwed onto the back of fire-place insert. Loosen the two labelled screws and remove the panel. Do not re-tighten them.



REFLECTIVE INSULATION PANEL

Release the reflective insulation panel and turn it upside down (180°). Bend the two cut-out easy-bend flanges 90° (see photo below). Loosen the two labelled screws, one on each side. Place the two bottom holes on the reflective insulation panel over the two screws on the back of the stove. Attach the two easy bend flanges on the two top screws. Retighten all four screws.

Easy bend flange



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.

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

The stove comes with a flue collar that is 200 mm in diameter.

The flue collar can be changed from a top outlet to a rear outlet. Loosen the clamping strap on the outlet flange and adjust as preferred.

The fireplace insert must be placed on heat-resistant material.

See the following pages for installation dimensions and placement distances.

INSTALLATION DIMENSIONS

INSTALLATION DIMENSIONS:

Applies to installation into non-flammable panels.

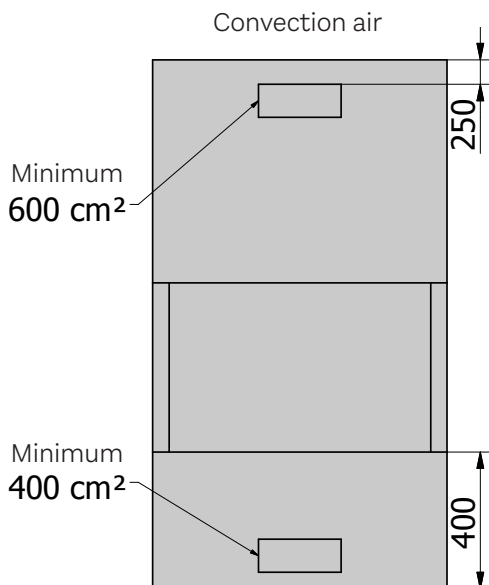
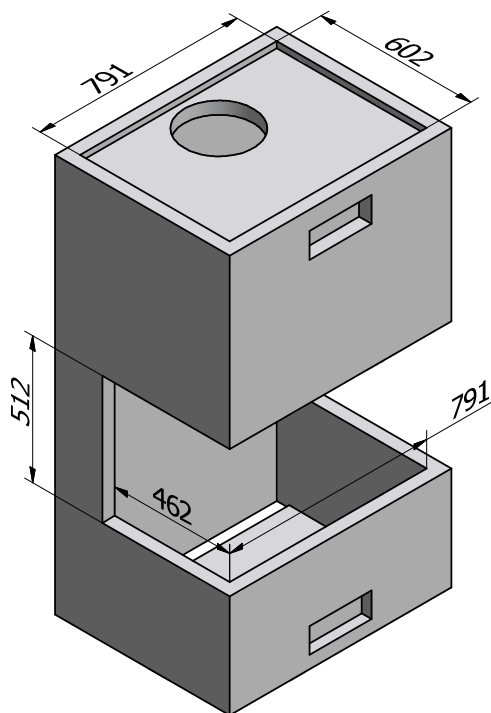
Minimum cavity dimensions (H x W x D): . 512 x 791 x 462 mm

A fireplace insert must never be tightly inserted into a cavity, as steel expands when heated.

There must be a minimum convection air intake of 400 cm² underneath the stove and 600 cm² above it. The minimum convection-air areas above and below the stove can be distributed over several holes.

EN

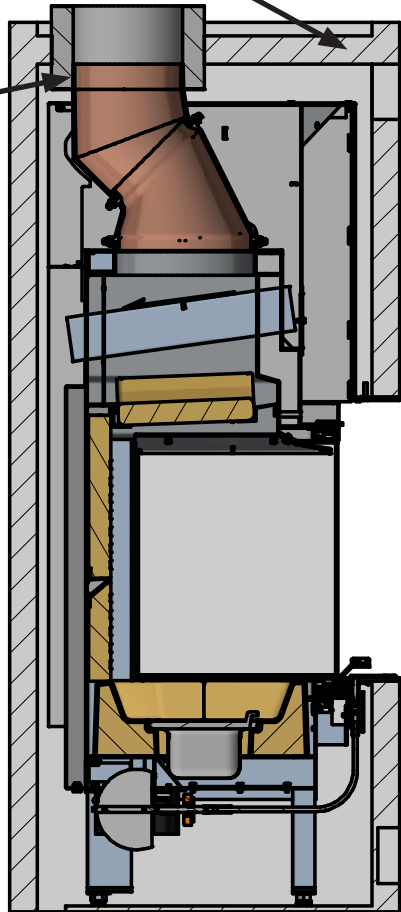
Distance	Dimensions, mm
Distance from convection grate to flammable ceiling	250
Distance from lower door edge to flammable floor	400



SET-UP

To guide the hot air out of the convection grates, a non-flammable plate must be installed just over the grates.

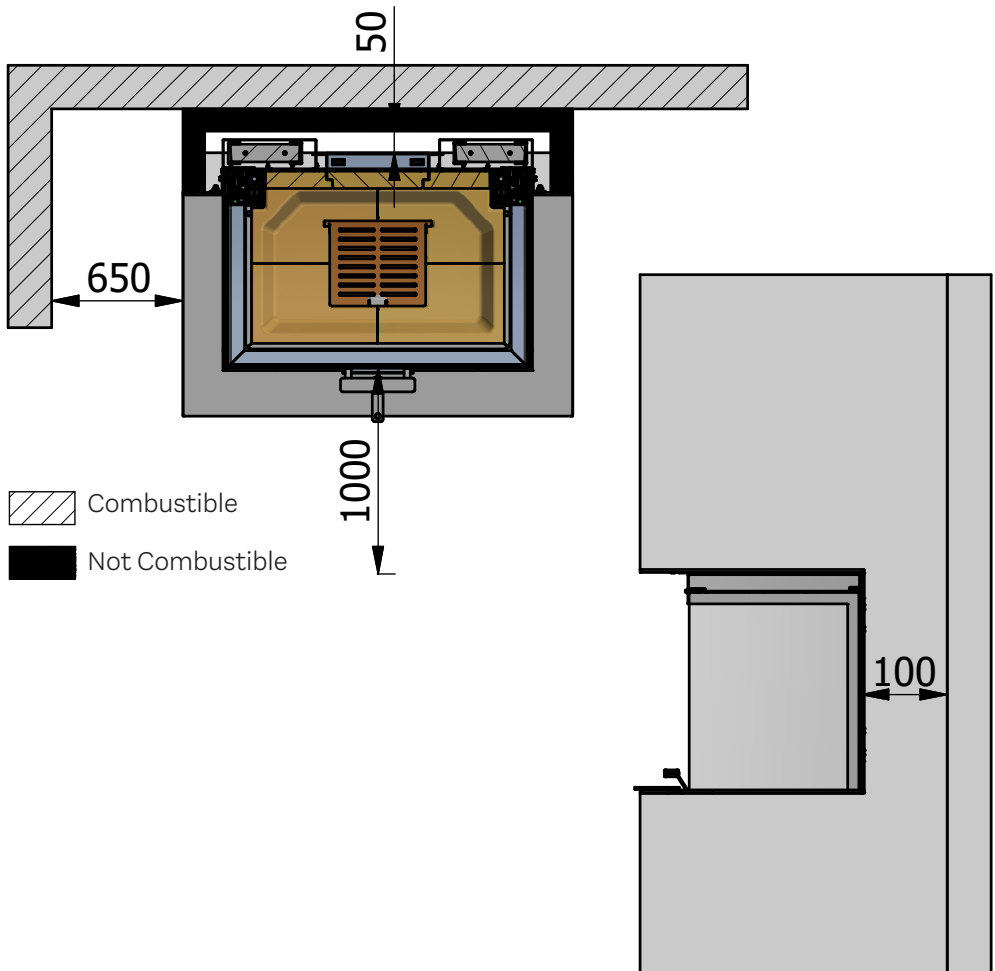
The insulated chimney must extend all the way down to the flue outlet adapter.



SET-UP

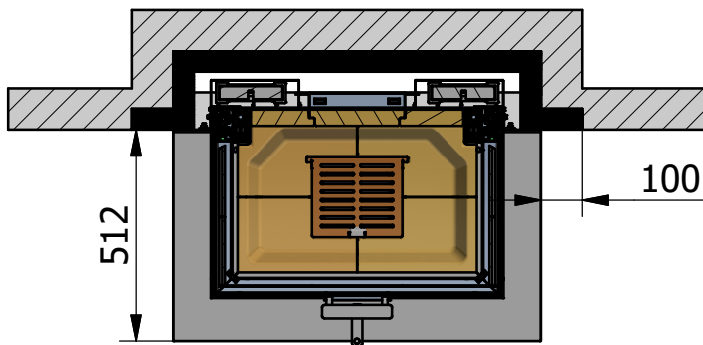
If the insulation value is complied with (greater than $0.03 \text{ m}^2 \times \text{K/W}$), the cabinet may be installed against a flammable wall provided that the interior distance from stove to cabinet is at least 50 mm.

MINIMUM DISTANCE	MM
Distance from door to furniture	1000
Distance from side glass to furniture	650
Interior distance to cabinet	50
Distance from vertical frame to flammable wall	100



INSTALLATION

If the fireplace insert is installed so that the vertical built-in frame is flush against the wall, the first 100 mm of the wall must be made of non-combustible material such as 50 mm Skamotec 225 or brick.



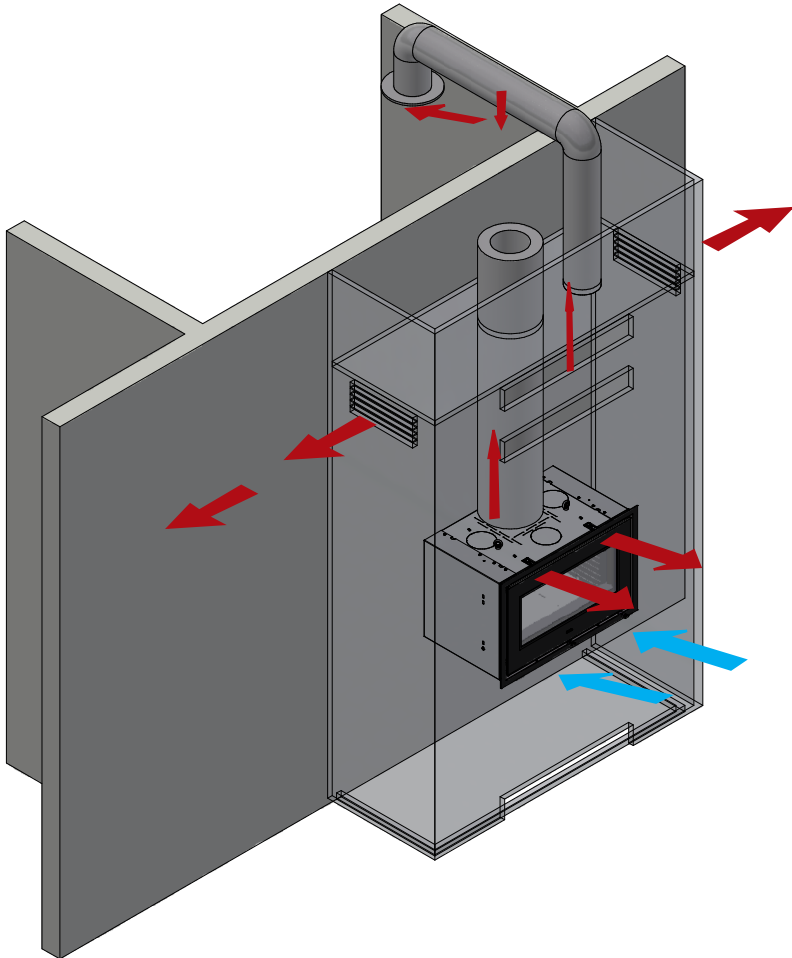
 Combustible

 Not Combustible

HEAT DISTRIBUTOR

HEAT DISTRIBUTOR

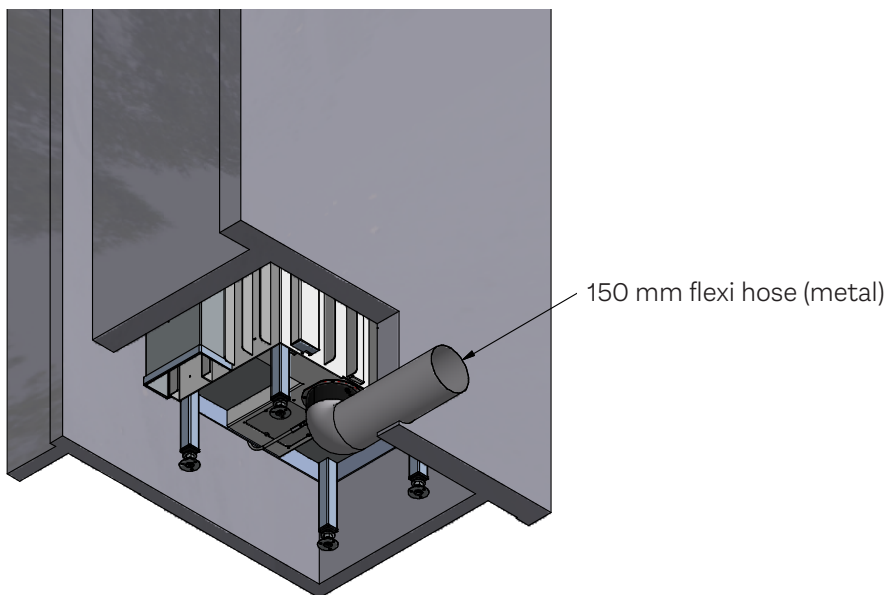
By installing a heat distributor unit above the fireplace insert, heat can be 'transported' to other rooms.



EXTERNAL AIR CONNECTION, AIRSYSTEM

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 of the fireplace insert.



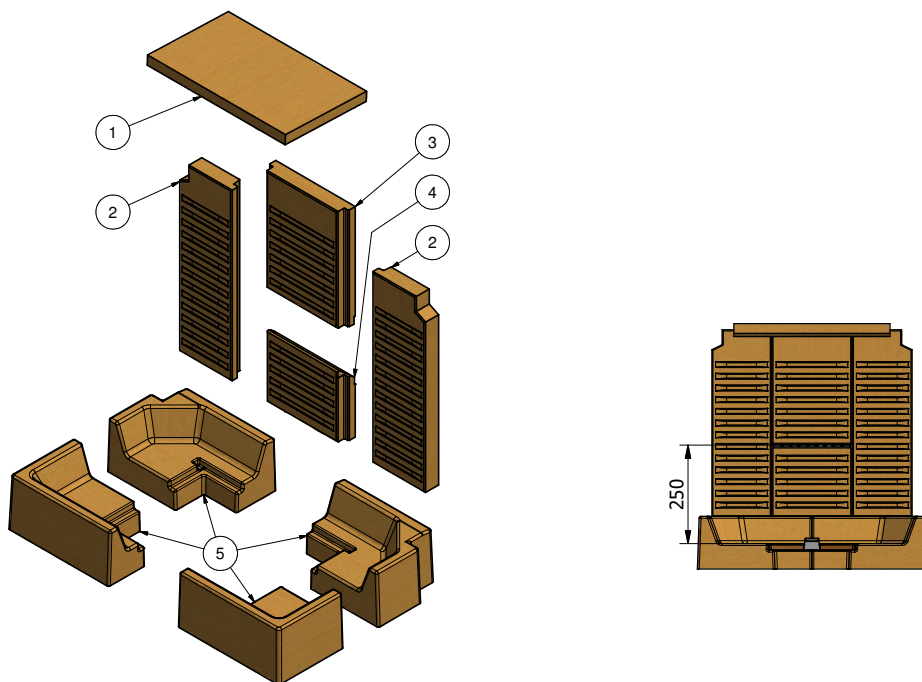
REMOVING THE COMBUSTION CHAMBER LINING

REMOVING THE COMBUSTION CHAMBER LINING

The combustion chamber lining protects the body of the fireplace insert from the heat of the fire. The widely fluctuating temperatures can cause the combustion chamber lining to crack. This will not affect the functionality of the fireplace insert. The lining does not need to be replaced until, after several years of use, it begins to crumble. 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 up the front and pulling it forward so that the rear end disengages. The flue panel can now be carefully removed.
2. Side panels (2): pull the bottom of the panels forward and remove them.
3. Remove the rear panel (3) by pulling out the bottom of the panel.
4. Remove the rear panel (4) by pulling out the bottom of the panel.
5. Remove the bottom panels (5) by first removing the grate and ash drawer, and then removing the bottom stones.



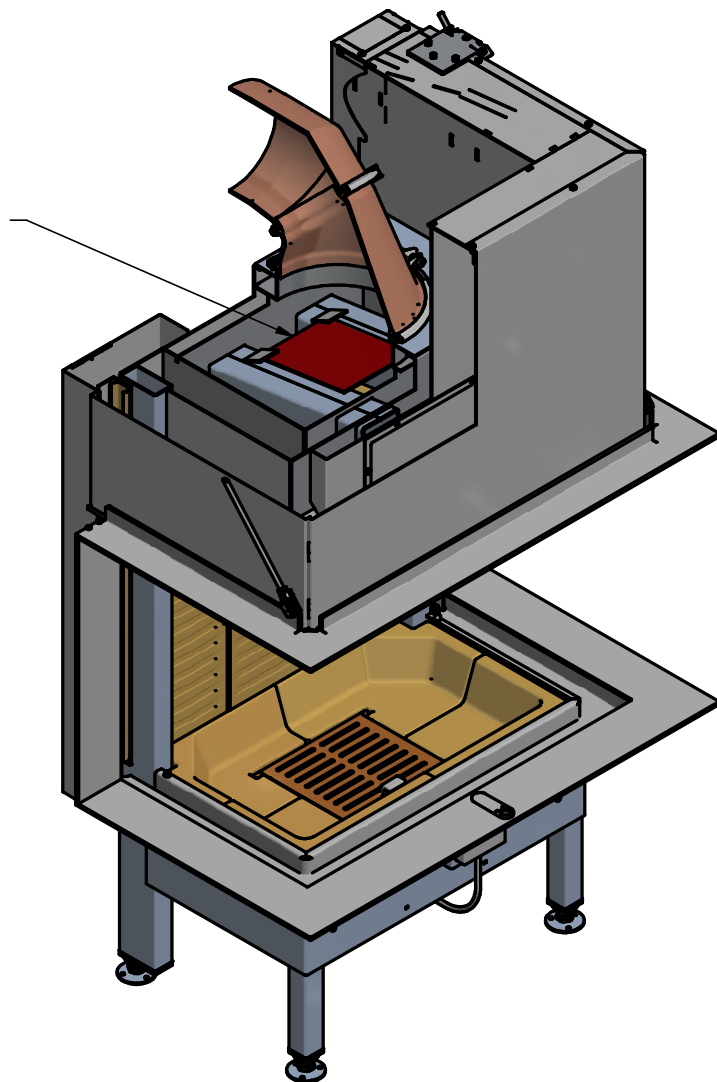
CLEANING THE FLUE

CLEANING THE FLUE

Remove the flue panel (see the section 'Removing the combustion chamber lining')

A steel baffle is positioned between the two convection ducts above the flue panel. The steel baffle is held in place by two guide pins. Remove the steel baffle by pushing the front end up, disengaging it from the brackets and then tilting the baffle down between the ducts.

Steel baffle



Cleaning the door glass

Before the side doors can be opened for cleaning, the door must be placed in bottom position. There are two locking hooks above the door. The hook on the right side is rotated to the right and the left hook to the left to release them.

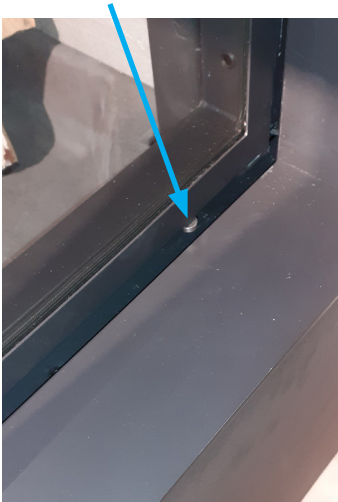


There is a door stop on both sides of the door. By turning them out, you ensure that the locking hooks cannot hit the built-in frame. Lift the door and twist out both door stops. There are also locking hooks under the door, which are turned in the same way as the upper locking hooks. These can advantageously be opened at the same time. The door can now be lowered, and the door stops will land on their contact surface inside the stove.

Door stop closed

Door stop open

Resting point



The side doors can now be opened for cleaning the door glasses. The side doors are locked again, in reverse order. Remember all 4 locking hooks and the two door stops.



Cleaning the combustion chamber

Scrape/shovel the ash into the grate in the centre of the fireplace insert. The ash drawer underneath the grate can be removed and emptied in a non-combustible container until it has cooled off.

Ash can be disposed of as ordinary household waste.

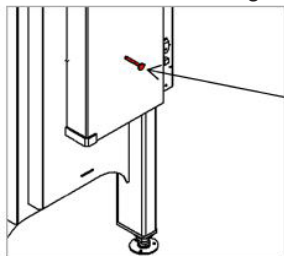


REMEMBER!

- Never remove all the ash from the combustion chamber.
- The fire burns best if there is a 20 mm layer of ash,

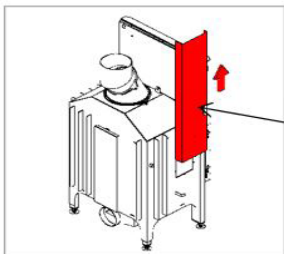
Convert to self-closing door before building in the insert.

Convert the door to self-closure by removing some of the door's counterweights. There are counterweights on both sides.



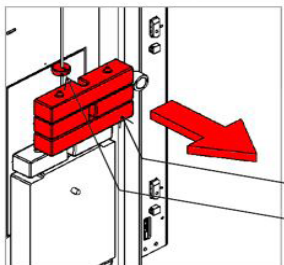
1. Remove the transport safety fittings and retainer screws for the counterweight cover

Transport safety fitting.



2. Remove the counterweight cover by pulling it up.

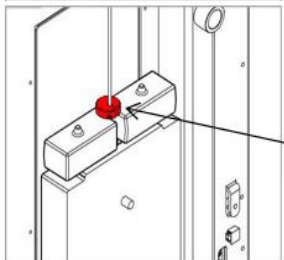
Counterweight cover.



3. Loosen the locking ring (2.5 mm hex key). Remove the number of counterweights that allow the door to close slowly and at a constant speed. Double-check the function.

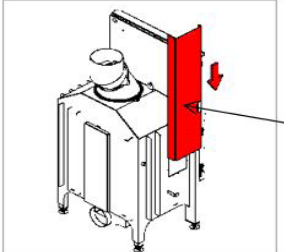
Counterweights

Locking ring



4. Tighten the locking ring (2.5 mm hex key)

Locking ring

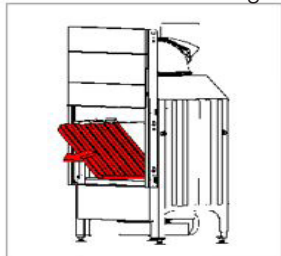


5. Attach the counterweight cover and the retainer screw(s).

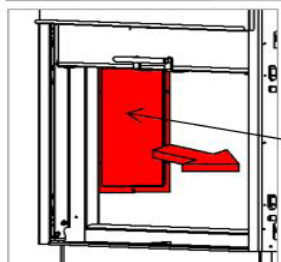
Counterweight cover.

Convert to self-closing door after building in the insert.

Convert the door to self-closure by removing some of the door's counterweights. There are counterweights on both sides.

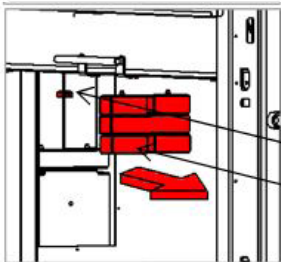


1. Remove the side Skamol panel.



2. Remove the access panel.

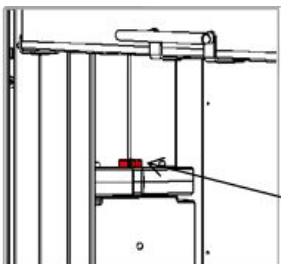
Access panel.



3. Loosen the locking ring (2.5 mm hex key). Remove the number of counterweights that allow the door to close slowly and at a constant speed. Double-check the function.

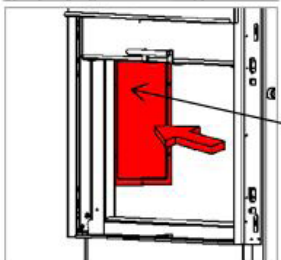
Locking ring.

Counterweights.



4. Tighten the locking ring (2.5 mm hex key).

Locking ring.



5. Re-attach the access panel and side Skamol panel.

Access panel.

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE

DK YDEEVNEDEKLARATION

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

Nr.: 127



- | | |
|--|---|
| 1. Identifikation | RAIS VISIO Uniq 3-sided model - ATTIKA VISIO Uniq 3-sided Model |
| 2. Type | Rumopvarmer (indsats) fyret med fast brændsel |
| 3. Anvendelse | Rumopvarmer (indsats) fyret med fast brændsel uden varmtvandsforsyning |
| 4. Producent | Spartherm Feuerungstechnik GmbH, Maschweg 38, D-49324 Melle, www.spartherm.com |
| 5. Bemyndigede repræsentant | RAIS A/S, Industrivej 20, Vangen, DK-9900 Frederikshavn, Danmark, www.rais.com / www.attika.ch |
| 6. System for vurdering/kontrol af konstanten 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. | 300-ELAB-2564-EN |
| 8. Deklareret ydeevne | Harmoniseret teknisk specifikation: EN 13229:2001/A2:2004/AC:2007 |

Væsentlige egenskaber		Ydeevne
Brandsikkerhed		<ul style="list-style-type: none"> Isoleret Røgrør 50 mm skamotec ikke brændbar plade Afstande er målt udvendigt på indbygningskasse
Reaktion ved brand	A1	Visio Uniq 3-sided model
Afstand til brændbare materialer	Til bagvæg	0
Minimum afstande [mm]	Til sidevæg	650
Se brugermanual for andre opstillingsafstande	Til loft/over oven	250
	Front/foran oven	1000
	Til gulv/under oven	400
Brandfare p.g.a. udfald af træ	Bestået	
OGC (mg C/normal m ³ ved 13 % O ₂)	57	
CO-udledning af forbrændingsprodukter (rel. 13 Vol-% O ₂)	0,07 % / 893 mg/Nm ³	
NO _x (mg/normal m ³ ved 13 % O ₂)	113	
Støv ved (rel. 13 Vol-% O ₂) mg/Nm ³	23	
Overfladetemperatur	Bestået	
Elektrisk sikkerhed	NPD	
Rengøringsvenlighed	Bestået	
Maks. tryk i vandtank under drift	- bar	
Røggastemperatur ved nominel varmeydelse	228 °C	
Mekanisk resistens (evne til at bære skorsten/røgrør)	NPD	
Termisk ydelse		
Nominel ydelse	9,3 kW	
Rumopvarmningsydelse	9,3 kW	
Vandopvarmningsydelse	- kW	
Virkningsgrad ¹⁾	78 %	
Arsvirkningsgrad ¹⁾ S _{on}	68 %	

9. Ydeevnen for produktet, der er anført i punkt 1 og 2, er i overensstemmelse med den deklarerede ydeevne i punkt 8. Denne ydeevne er udstedes på enansvar 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

14-09-2022


Underskrift

TEST CERTIFICATE

TEST CERTIFICATE



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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-2564-EN og 300-ELAB-2564-NS

Emne: Rais Visio Uniq - 3 sider
Rekvirent: Rais A/S
Industrivej 20, 9900 Frederikshavn

Procedure:	X	Prøvning efter DS/EN13229/A1:2003/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:

Nominal ydelse: 9,3 kW
CO-emission: 0,0714 % - henført til 13 % O₂
Virkningsgrad: 78 %
Røggastemperatur: 228 °C (middel v/20°C rum temp.)
Afstand til bagvæg: - mm (se vejledning)
Afstand til sidevæg: - mm (se vejledning)

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

Partikler efter NS 3058: 2,12 g/kg (tørstof) middelværdi (krav: ≤4)
Partikler efter NS 3058: 2,12 g/kg (tørstof) maksimalt (krav: ≤8)
OGC efter CEN/TS 15883: 57 mgC/Nm³ ved 13% O₂ (krav: ≤120)
Støv efter FprEN 16510-1: 23 mg/Nm³ ved 13% O₂ (krav: ≤30)

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

Aarhus, den 08.10.2021 René Lyngsø Hvidberg Forretningsleder	Skorstensfejerpåtegning
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På baggrund af ovennævnte emissioner attesteres det hermed, at fyringsanlægget opfylder emissionskravene i bilag 1 til Bekendtgørelse nr. 541 af 27/4-2020 om regulering af luftforurening fra fyringsanlæg til fast brændsel under 1 MW.



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