

Oden 6300


Manual for installation
and maintenance.



JOSEF DAVIDSSONS

since 1882

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Welcome to the family.

Congrats on your new stove! All of us at Josef Davidssons hope that you, like many other people around the country, will enjoy many, many wonderful moments around the fire.

This manual contains instructions on how to install your oven as well as maintenance advice and tips on the best way to light the fire. Don't hesitate to contact us if you have any further questions about using a fire or about your Oden 6300.

One book we would recommend for reading in front of the fire is the book, **WOOD**, by Lars Mytting. A must for everyone with a burning passion.

Best wishes,

Josef Davidssons

TECHNICAL DATA

RADIATING STOVE

Nominal Effect (kW)	6,0
Heating surface (approx. m ²)	30–80
Efficiency (approx.%)	81,6
Weight (kg)	95
Size (HxWxD mm)	855x485x400
Fireplace dimensions (HxWxD mm)	300x380x290
Log length (mm)	300–350
Flue dimension (diameter mm)	125
Distance from flammable materials (behind, to the side mm)	100, 400
Proof of authorisation number	SC1050-13
Norwegian standard	NS 3059

CONVECTION STOVE

Nominal Effect (kW)	6,0
Heating surface (approx. m ²)	30–80
Efficiency (approx.%)	81,6
Weight (kg)	110
Size (HxWxD mm)	835x500x400
Fireplace dimensions (HxWxD mm)	300x380x290
Log length (mm)	300–350
Flue dimension (diameter mm)	125
Distance from flammable materials (behind, to the side mm)	100, 300
Proof of authorisation number	SC1050-13
Norwegian standard	NS 3059

SOAPSTONE STOVE

Nominal Effect (kW)	6,0
Heating surface (approx. m ²)	30–80
Efficiency (approx.%)	81,6
Weight (kg)	240 (95 kg cast iron, 145 kg soapstone)
Size (HxWxD mm)	915x615x420
Fireplace dimensions (HxWxD mm)	300x380x290
Log length (mm)	300–350
Flue dimension (diameter mm)	125
Distance from flammable materials (behind, to the side mm)	100, 300
Cooling time (hours)	6–8
Proof of authorisation number	SC1050-13
Norwegian standard	NS 3059

IMPORTANT BEFORE YOU GET STARTED!

Professional mounting

The manual contains instructions on how to mount and install the Oden 6300. To ensure the function and safety of the stove, we recommend that installation be carried out by a professional. Contact one of our resellers who can assist with the installation or recommend a suitable technician.

Planning permission

When installing a fireplace and building a chimney, planning permission must be applied for with the municipality's planning commission. Contact your local planning commission if you are unsure of how the application works.

Load-bearing foundations

Make sure that the wooden floor joists in your home have sufficient bearing capacity for a stove with a chimney. Normally, a stove and chimney can be placed on standard wooden floor joists in a single-family house if the total weight does not exceed 400 kg.

Outer hearth

Embers that fall out from the stove can cause fires. If you have a flammable floor in front of your stove, it must be protected by an outer hearth that covers at least 300 mm in front of the door and 100 mm along each side. The outer hearth can be made of natural stone, concrete, sheet metal or glass, for example.

The specified safety distances in this manual apply to the Swedish market. If the stove is installed in another country, local regulations must be met.

NB!

The installation must be inspected by an authorised master chimney sweep before using the stove.

WARNING! THE STOVE GETS VERY HOT

When burning, some areas of the stove become very hot and can cause burns if touched. Also, be careful with heat radiating through the glass of the door. If flammable material is placed closer than the specified safety distance, it can quickly catch fire. Smouldering fires can quickly cause gas to ignite, with the risk of injury to persons and property.

WHAT COMES WITH THE STOVE?

Make sure all parts are included in the packaging.

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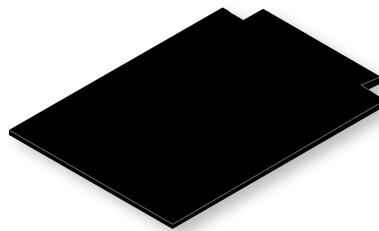
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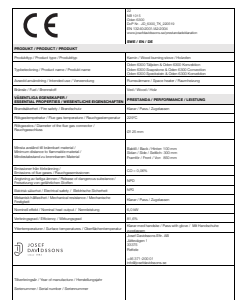
⑤



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⑦



1 Installation manual

Guide to installation and maintenance of your stove.

2 Glove

Made of flameproof material.

3 Ash pan

Collects ashes left after burning.

4 Connectors

For installation instructions, see page 14.

5 Smoke cover

For installation instructions, see page 14.

6 Top smoke shelf

See description on page 17.

7 CE mark

Ensures that the product meets all basic health and safety requirements defined in the Construction Products Directive.

TIP!

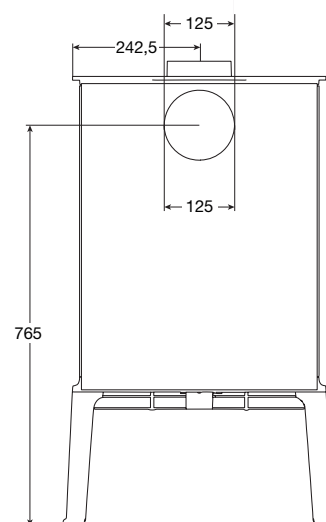
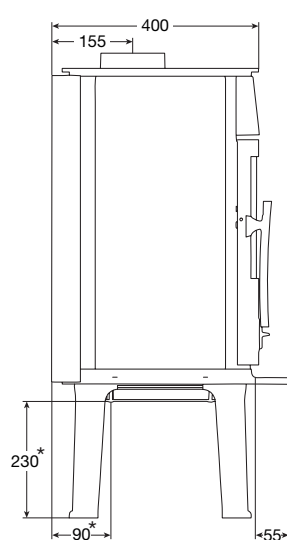
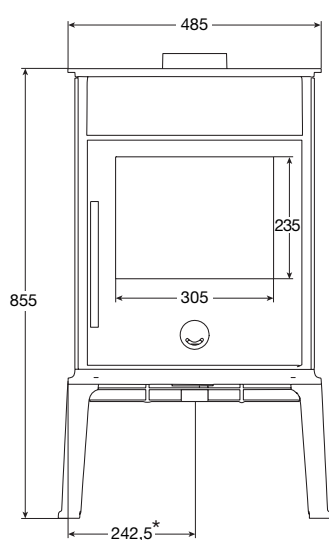
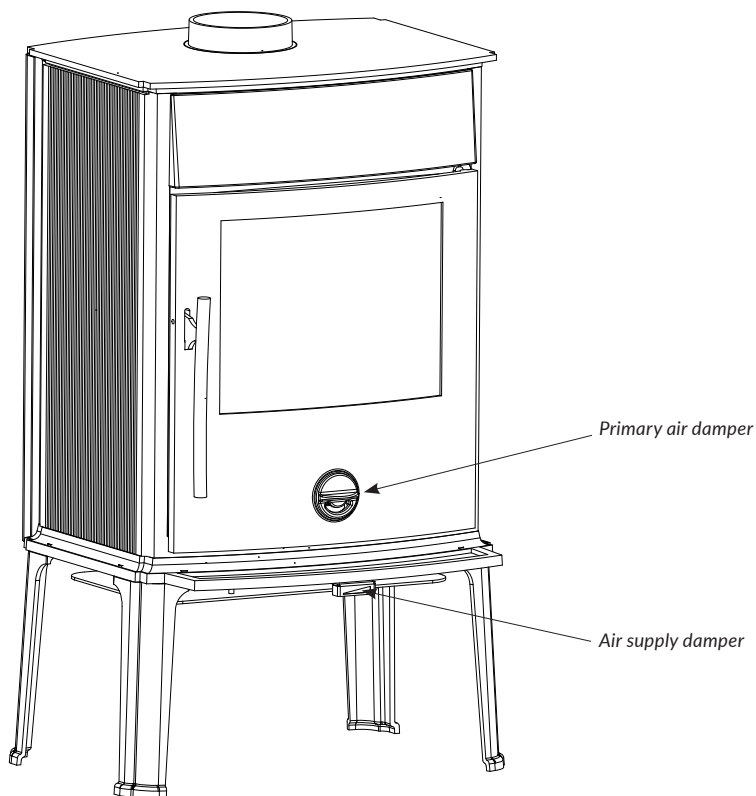
The pallet should be recycled as untreated wood. Corrugated cardboard is sorted as corrugated cardboard and plastic tapes go into the flammables container at the recycling centre.

RADIATING STOVE DIMENSIONS AND INSTALLATION

Radiating stove

Here are the most important dimensions required for proper installation and optimal operation.

All measurements are indicated in millimetres.



*Outdoor air connection. Connectors for outdoor air Ø 50 mm.

NB!

Keep in mind that the outer hearth (floor protection) adds to the height of the stove and its rear connection.

Installation distance

Be aware of the safe installation distance, regardless of whether you place the stove next to a flammable wall or an inflammable wall.

If you choose a diagonal placement, keep in mind that the measurement always starts from the centre of the flue.

The lowest possible ceiling height is 2 000 mm for a safe distance.

Allow at least 950 mm distance from flammable materials in front of the stove.

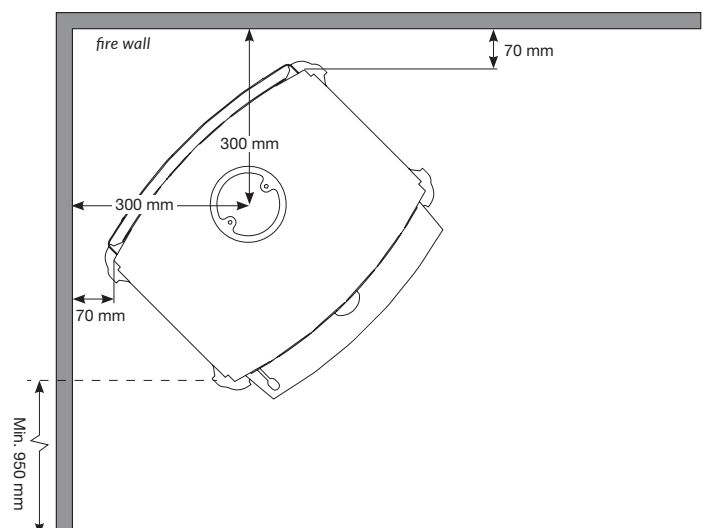
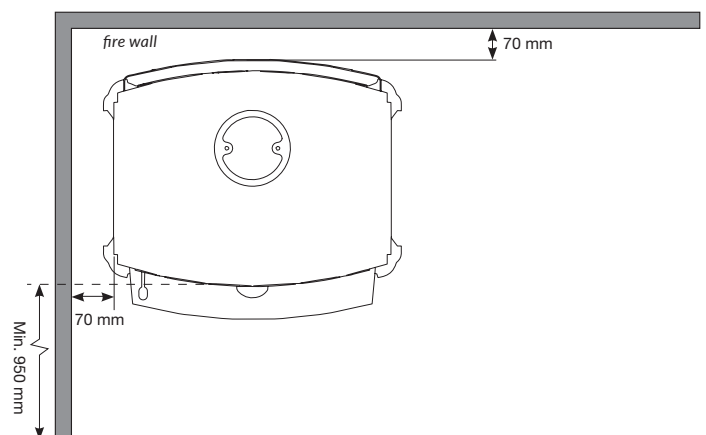
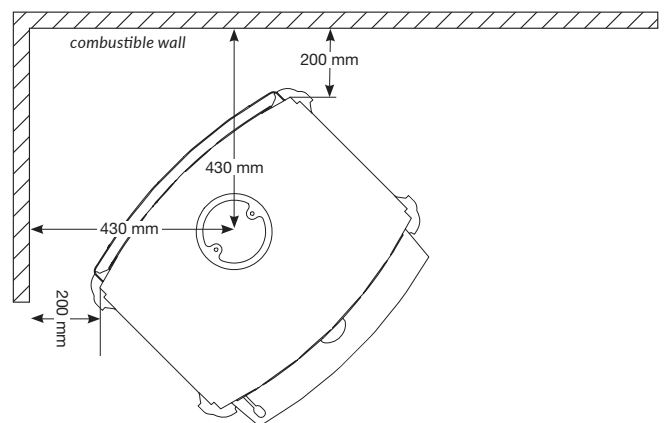
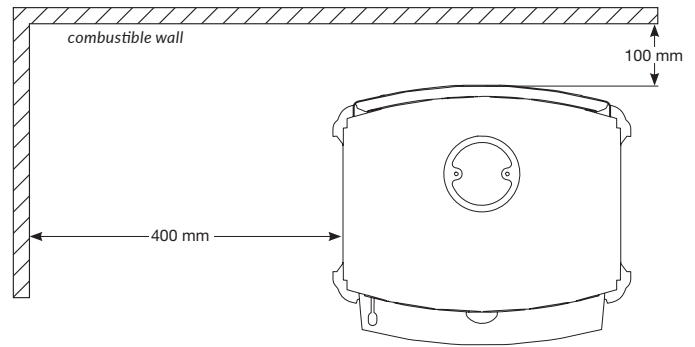
The distances refer to installation with an insulated flue pipe.

Non-insulated flues must have a distance of at least 500 mm from flammable materials.

The specified safety distances in this manual apply to the Swedish market. If the stove is installed in another country, local regulations must be met.

Firewall refers to at least 120 mm solid brick with a density of between 1500-1700 kg/m³ and heat conductivity (λ) 0.6–0.7 W/m·K as well as a specific heating capacity (C) of approx 840 J/kg·°K.

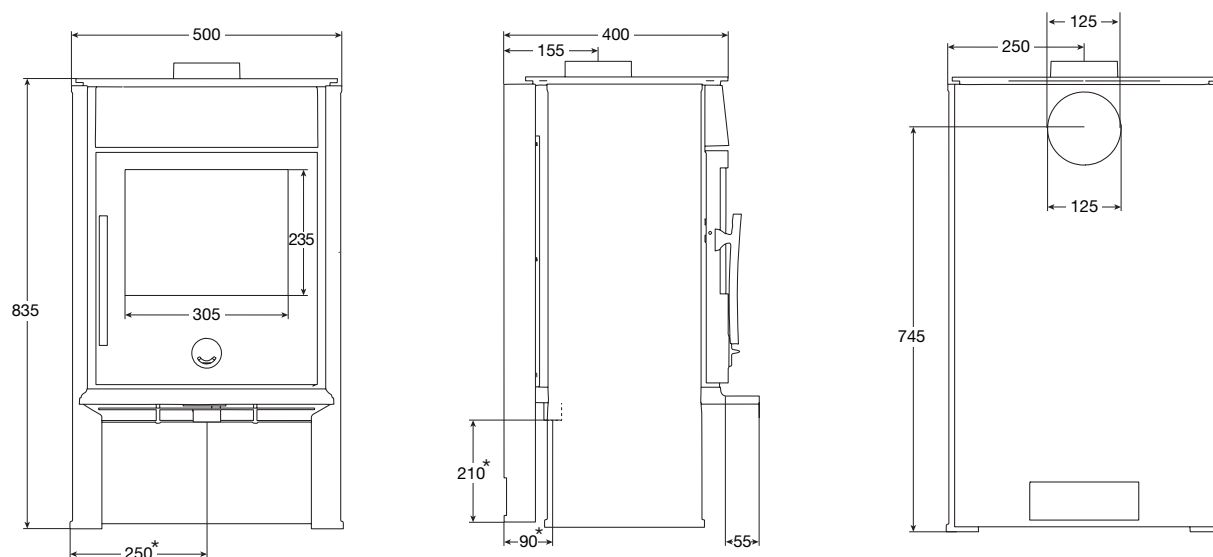
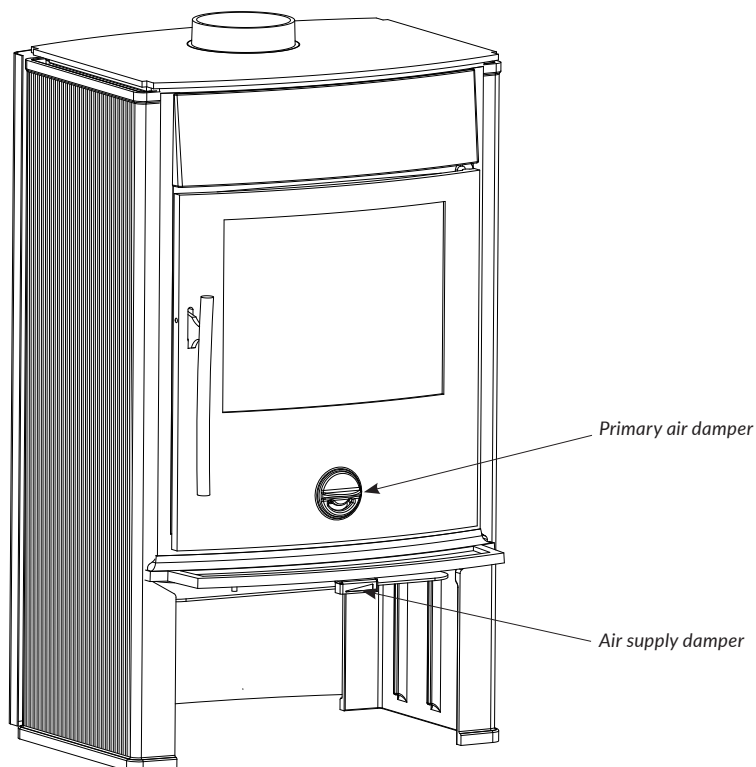
In case of usage of materials other than solid brick, contact your local chimney sweep for further information.



CONVECTION STOVE DIMENSIONS AND INSTALLATION

Here are the most important dimensions required for proper installation and optimal operation.

All measurements are indicated in millimetres.



*Outdoor air connection. Connectors for outdoor air Ø 50 mm.

NB!

Keep in mind that the outer hearth (floor protection) adds to the height of the stove and its rear connection.

Installation distance

Be aware of the safe installation distance, regardless of whether you place the stove next to a flammable wall or an inflammable wall.

If you choose a diagonal placement, keep in mind that the measurement always starts from the centre of the flue.

The lowest possible ceiling height is 2 000 mm for a safe distance.

Allow at least 850 mm distance from flammable materials in front of the stove.

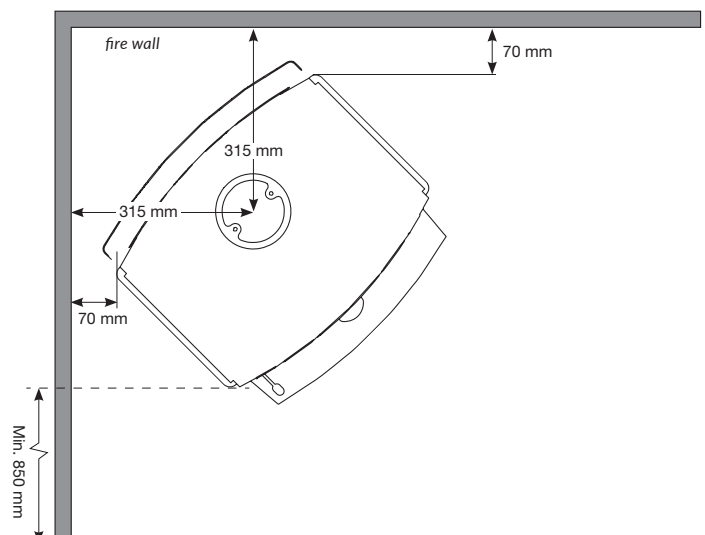
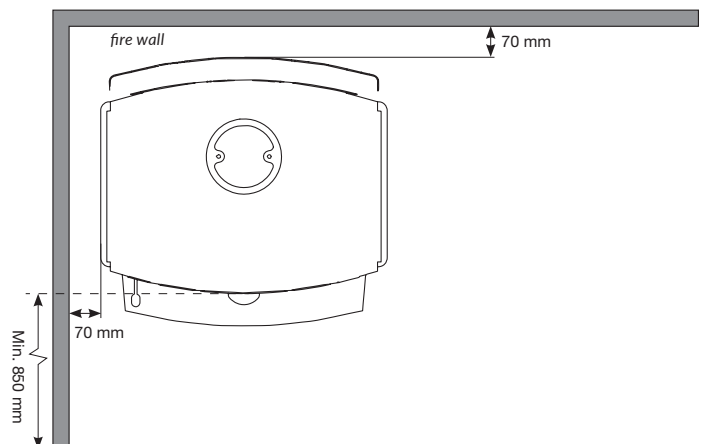
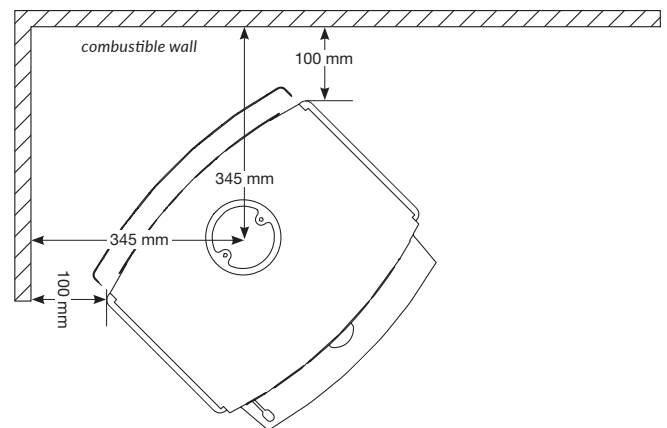
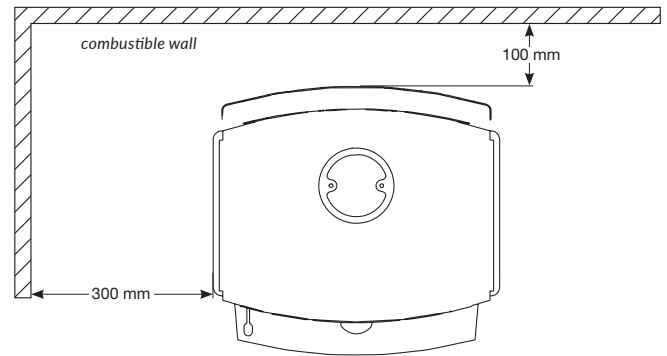
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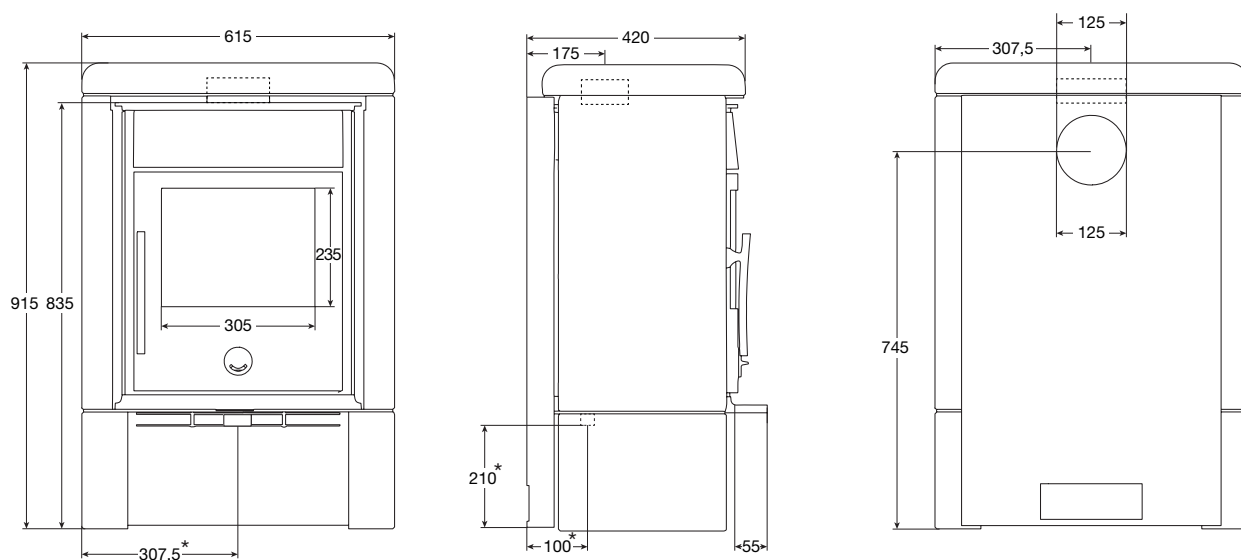
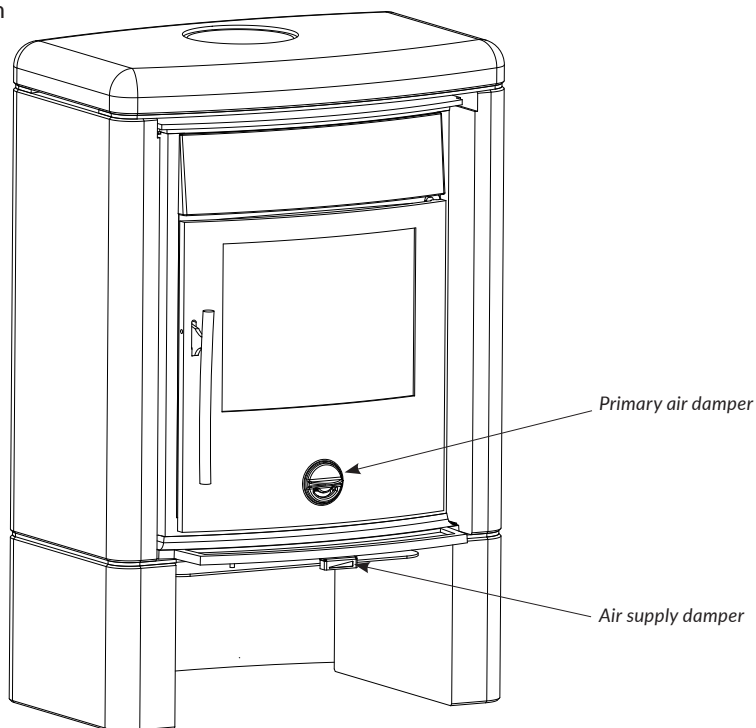
In case of usage of materials other than solid brick, contact your local chimney sweep for further information.



SOAPSTONE STOVE DIMENSIONS AND INSTALLATION

Here are the most important dimensions required for proper installation and optimal operation.

All measurements are indicated in millimetres.



*Outdoor air connection. Connectors for outdoor air Ø 50 mm.

NB!

Keep in mind that the outer hearth (floor protection) adds to the height of the stove and its rear connection.

Installation distance

Be aware of the safe installation distance, regardless of whether you place the stove next to a flammable wall or an inflammable wall.

If you choose a diagonal placement, keep in mind that the measurement always starts from the centre of the flue.

The lowest possible ceiling height is 2 000 mm for a safe distance.

Allow at least 850 mm distance from flammable materials in front of the stove.

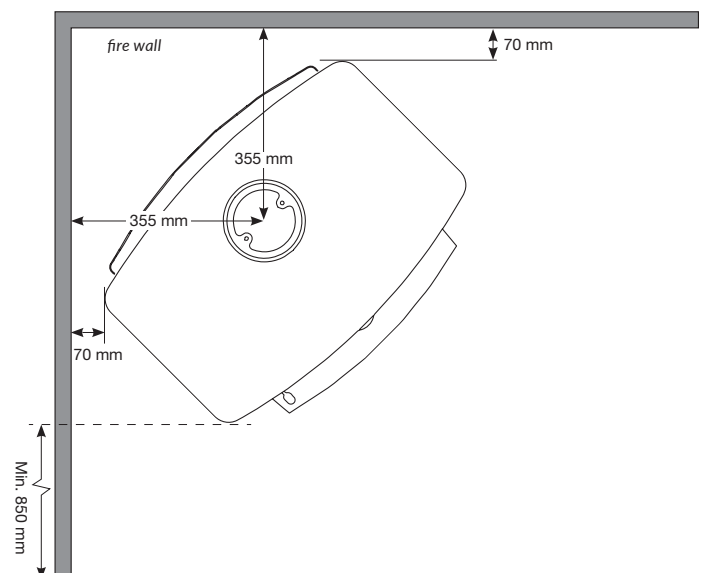
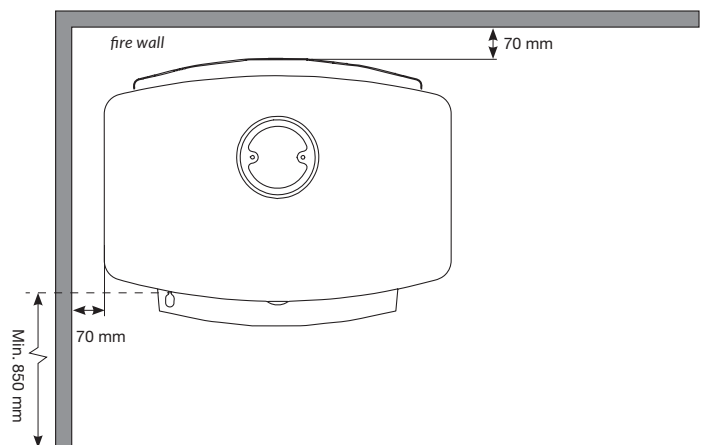
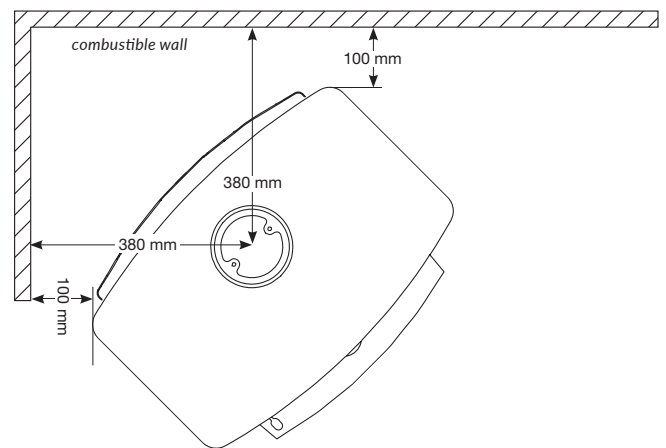
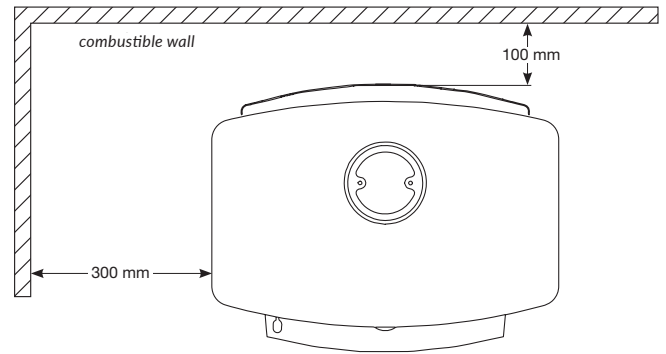
The distances refer to installation with an insulated flue pipe.

Non-insulated flues must have a distance of at least 500 mm from flammable materials.

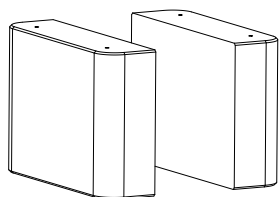
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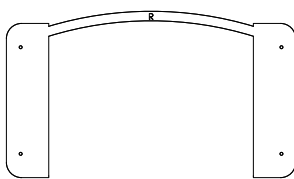
In case of usage of materials other than solid brick, contact your local chimney sweep for further information.



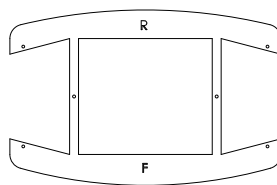
MOUNTING THE SOAPSTONE



Soapstone legs x 2



Bottom plate x 1



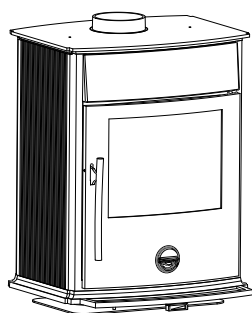
Top plate x 1



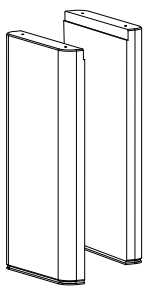
Screw x 2



Pin x 8



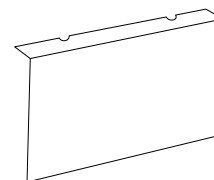
Fireplace x 1



Soapstone sides x 2

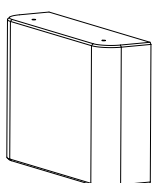


Soapstone top x 1



Covering plate outdoor air x 1

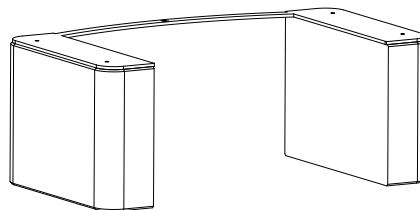
1



Begin by placing the outer hearth according to safety regulations.

Put the bottom stones in place. In case of mounting by a flammable wall, the bottom stones should be placed 160 mm from the wall so that the stove ends up at least 100 mm from the wall.

2



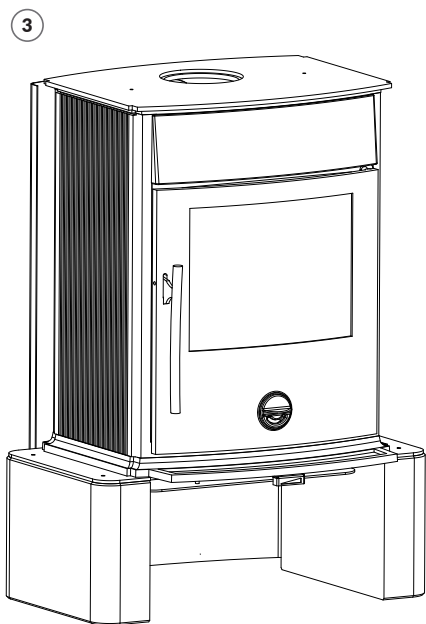
Put the bottom frame in place. Carefully knock the steering pins down into the pre-drilled holes. F = front. R = rear.

TIP!

If you end up making a scratch on the uncoloured soapstone (grey), you can polish this away with fine grain sandpaper. If the coloured soapstone (black) is scratched or damaged, this can be filled in with a pencil.

NB!

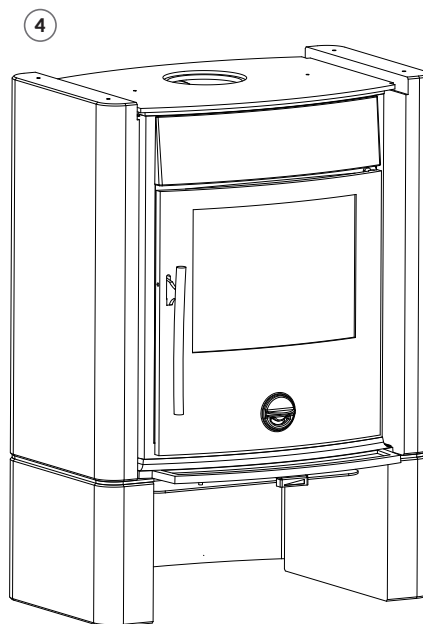
Keep in mind that the outer hearth (floor protection) adds to the height of the stove and its rear connection.



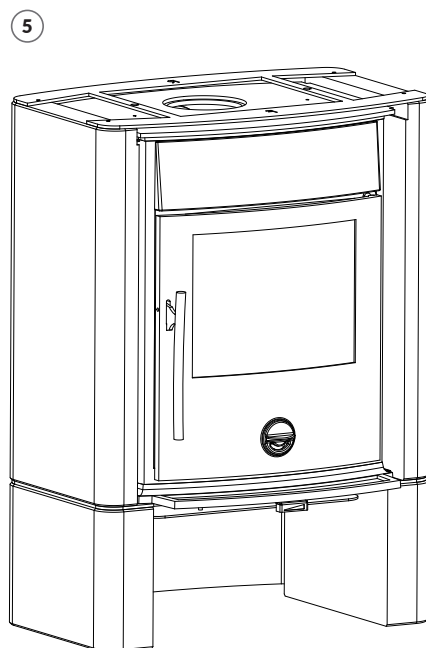
Place the stove on the bottom stones, in the centre of the plate.

Don't rest the fireplace on the frame, put it directly in place instead.

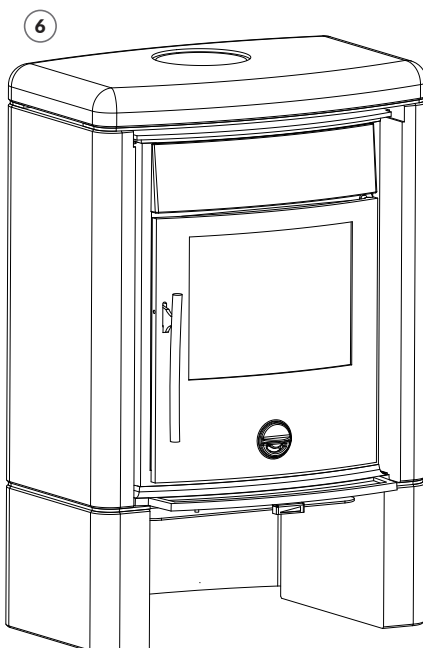
NB! Rear radiator plate is already mounted on the fireplace on delivery and must not be removed.



Mount the side stones according to placement of the pins. Place the top frame above the side stones. F = front. R = rear. Carefully knock the steering pins with the hammer until they reach the bottom.



Affix the stove with the screws supplied. You may need to adjust the placement of the stove somewhat so that the holes line up with the screws.



Put the top stone in place. The stove is now ready to be connected to the chimney.

If you have connected outdoor air, you should hide the outdoor air tube with the covering panel supplied. 2 hexagon socket screws are already in place under the fireplace for mounting.

CONNECTION OF FLUES

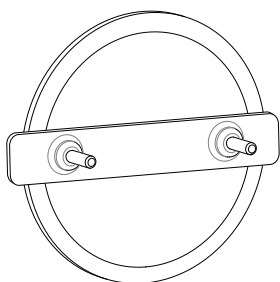
Oden can be connected behind or above. Smoke connectors and smoke cover are packed inside the stove's fireplace.

If you use the top connection, fasten the smoke cover at the back. If you use the rear connection, fasten the smoke connector at the back of the stove and push away the covering lid in the back radiator panel.



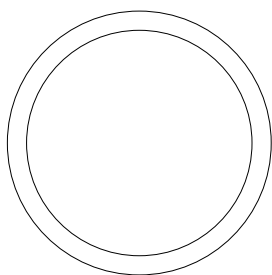
106300306

Smoke connector On the connector and smoke cover there is a sealing tape and no other sealing material is needed. The connectors and the cover are stuck in place with the crosspiece.



106300307

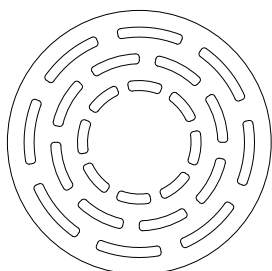
Smoke cover On the connector and smoke cover there is a sealing tape and no other sealing material is needed. The connectors and the cover are stuck in place with the crosspiece.



106300203

Covering ring

To be used only for top connection of soapstone model, in case of mounting of non-insulated flues.



106300204

Convection cover

Only supplied with the soapstone model. For use with rear connection.

CONNECT STOVE TO CHIMNEY

The stove meets the requirements for connection to a chimney designed for 350°C smoke temperature.

The diameter of the connectors is 125 mm on the exterior.

The optimum chimney draught is between -10 to -15 Pa. The draught is mainly affected by the length and area of the chimney, but also by how pressure-tight it is. The minimum recommended chimney length is 3.5 m, and the appropriate cross-sectional area is 120-180 cm² (125 mm in diameter).

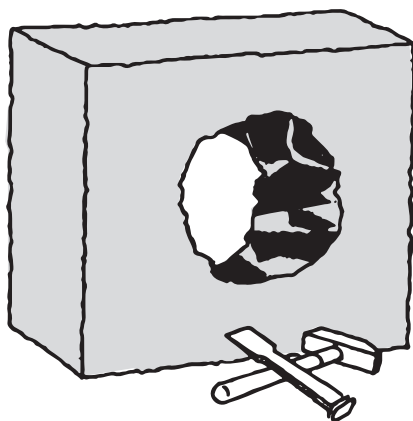
A flue with narrow bends and horizontal draught reduces the draught in the chimney. The maximum horizontal flue is 1 m, provided that the vertical flue length is at least 5 m.

It should be possible to sweep the flue throughout its length, and the soot doors must be easily accessible.

Carefully check that the chimney is sealed and that no leakage occurs near the soot doors and smoke connections. The stove can be connected to the chimney with several fireplaces.

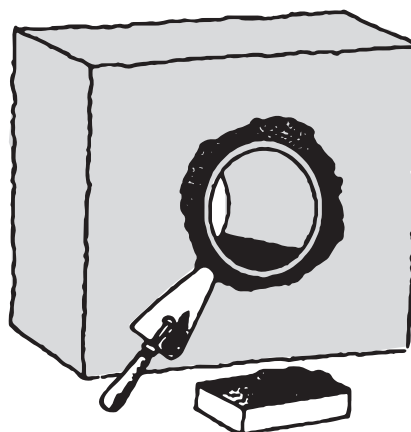
CONNECTING THE STOVE TO AN EXISTING CHIMNEY

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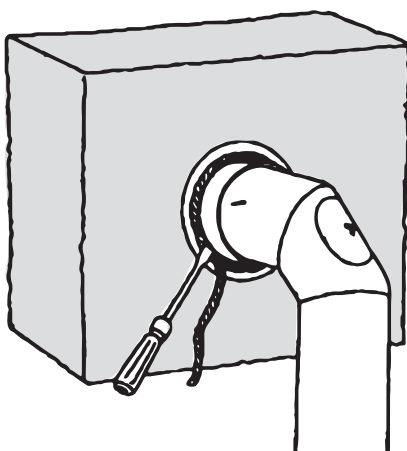
Carefully make a hole in the spot where you will connect your stove to the chimney stack.

②



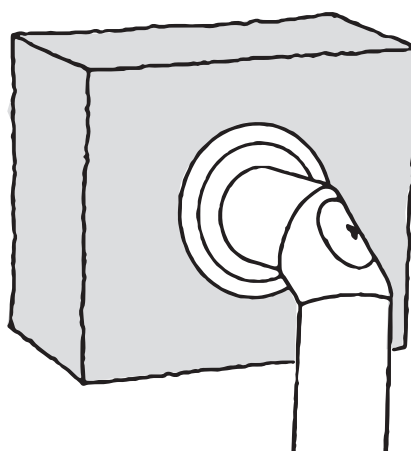
Immure the wall lining.

③



Stuff with tow material between the flue and the wall mounting connectors.

④



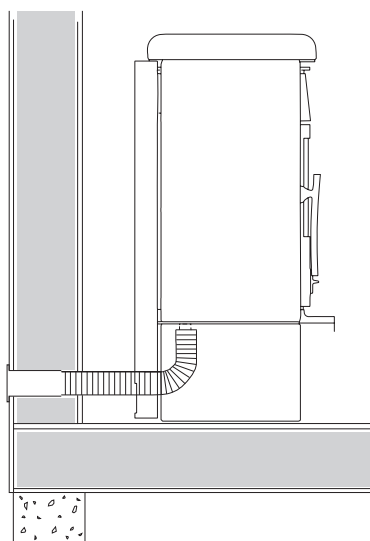
Finish with the flue rosette to seal the installation.

CONNECT OUTDOOR AIR TO THE STOVE

For optimal function, the fireplace needs around 20 m³ air per hour. If you have mechanical ventilation in your house, you should connect outdoor air to your stove. Otherwise you risk the stove disturbing air streams that go to the mechanical ventilation's air vents. There are different ways to connect outdoor air to your stove, depending on what type of house you live in. Some take air directly through the outer

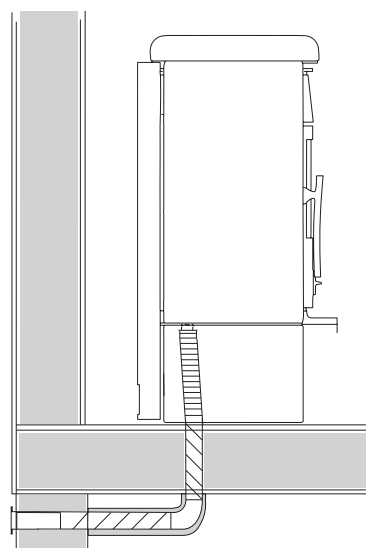
wall, others go down into the floor and then out through the foundations. If you use the foundations, it's important that the air supply pipe is insulated to prevent condensation build-up. Contact your reseller if you are unsure which connection is best for your house. Regardless of which solution you need, you should also seek the help of an authorised professional to carry out the work.

①



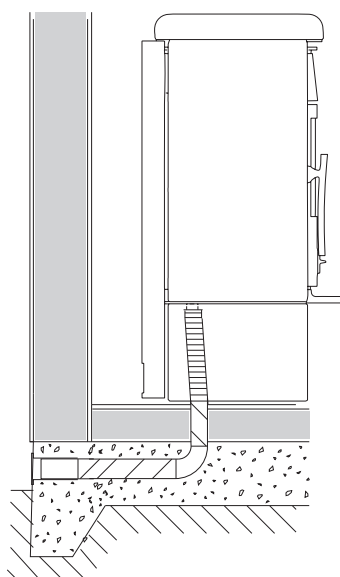
Connection to outdoor air via outer wall.

②



Connection to outdoor air via foundations.

③



Connection to outdoor air via bottom plate. To be used primarily for new-builds.

For connection of outdoor air to convection and soapstone models you need to remove the cover plate at the bottom of the front of the stove. Loosen the hexagonal screws to angle the plate out.

Our connection kit for connecting outdoor air is available from your reseller or at josefdavidssons.se/en

990000932 Connection kit for outdoor air

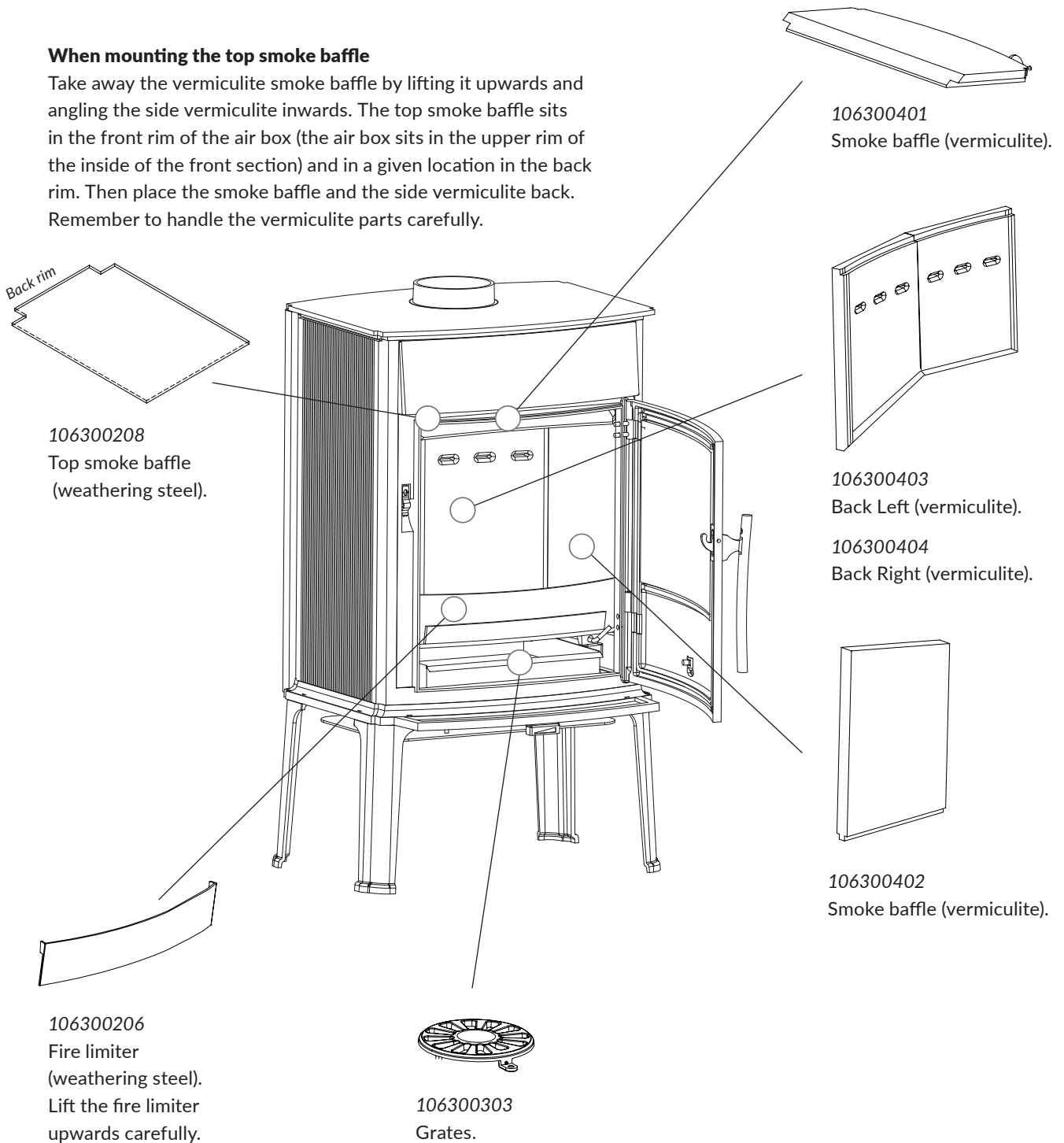
- Flexible tube (1 m)
- Tube clamp (x2)
- Adaptor from tube to 100 mm

REPLACEABLE PARTS

The Oden is built to be used for decades to come, but do not forget to replace worn components when necessary. Keep an eye on the vermiculite plates, fire limiter as well as grates and replace them when they become worn.

When mounting the top smoke baffle

Take away the vermiculite smoke baffle by lifting it upwards and angling the side vermiculite inwards. The top smoke baffle sits in the front rim of the air box (the air box sits in the upper rim of the inside of the front section) and in a given location in the back rim. Then place the smoke baffle and the side vermiculite back. Remember to handle the vermiculite parts carefully.



106300303
Grates.

Lift the grate up towards the right. Turn the grate hinge to the side to loosen it from the grate. When re-mounting, make sure that the grate hinge is stuck fast in the hole on the grate.

MAINTENANCE ADVICE

The grid should be shaken and cleaned from ashes regularly.

Empty the ash pan as soon as it is full.

After using the fire for some time, some soot may become stuck on the glass. With the Sotrent dry sponge you can keep the glass clean easily.

Keep the fireplace and flue clean. If you use the stove often, you should sweep the chimney every once in a while in-between visits from the chimney sweep.

Products for care advice can be bought easily via our website josefdavidssons.se/en



Dry Wiper - For glass cleaning. Art no. 990001024

HOW TO USE THE STOVE CORRECTLY

The first time you use the stove

A new Oden should be lit carefully on the first few occasions. This makes the heat-resistant colour more durable. There may also be a slightly unpleasant smell the first time you use the fire. This is completely normal and due to excess paint or oil remaining on the iron casting. The smell will disappear quite quickly and won't come back.

Combustibles

The best heat value is obtained from split birch wood. Hardwood trees generally burn more calmly than softwood, which creates a more even heat.

If you are burning oak, beech or other wood with high heat value, always mix the wood with other types of wood. Otherwise you risk damaging your fireplace. The wood should be dry, with preferably 15-20% moisture content. For a normal fire, approximately 1.5-2 kg wood / hour is a suitable amount of wood. 1 kg birch wood produces about 4 kW power.

Lighting the fire

Open the air supply damper fully. Place briquettes in the centre of the fireplace. Pile up about 1.5 kg of small logs crossways, like a log house, on top of the briquettes. Start by lighting the briquettes. These should, in turn, ignite the wood. Keep the fireplace door ajar for the first few minutes until the wood is properly lit. Depending on the chimney draught, you may need to leave the door open slightly longer to build a temperature in the fireplace and to create a satisfactory chimney draught. Then close the door and adjust the valve to the desired intensity of the fire. The stove should be properly heated before choking the air supply damper.

If the starting fire has difficulty burning when the door is closed, you can open the grate somewhat with the grate hinge and open the primary air damper on the fireplace hatch. That way the fire gets extra air from below and starts more easily. NB! For adding other logs, the grate and primary air supply damper should be closed for optimal combustion.

Adding firewood

When the intensity of the fire has decreased, it is time to replenish. Open the door carefully. That way, you avoid gusts of smoke. Use a fireplace tool or a piece of wood to distribute ash and embers. Refill with 2-4 logs and close the door when the wood is properly lit (1.5-2 kg wood). NB! When adding more logs, don't go over the air supply hole in the back vermiculite (tertiary air hole).

Continuous fire

In order to use the fire correctly, it's necessary to achieve as high a temperature as possible in the fireplace. That way, you get clean combustion and get the most out of the stove and the firewood. With clean combustion, you avoid soot coating the fireplace and the glass. When you use the fire correctly, smoke shouldn't be visible.

Good luck!

FIRE-LIGHTING PROBLEMS AND SOLUTIONS

Poor draught

- The connection to the chimneystack has not been properly sealed. Ask the chimney sweep to check the connection between the stove and the chimney is completely sealed.
- The flue pipe is clogged. Clean the flue pipe and combustion chamber.
- The chimney is too short, has too much cross-sectional area or has been clogged by a bird nest. Contact chimney sweep or reseller for guidance.
- Negative pressure in the home. Open a window or place an exterior wall vent near the range. The firewood has too much moisture content or is too cold. Only use dry wood with a maximum moisture content of 20%.

Draught is too strong

- The sealing tape at the door is worn. Check the sealing tape and replace worn tape.
- The chimney is too long. Contact chimney sweep or reseller for guidance.

Window is covered in soot

- The wood is too damp. Only dry wood with a maximum moisture content of 20% should be used.
- The damper is overly closed. Open the damper to provide more air for combustion.

The window has turned white

- Poor combustion. Follow the instructions for correct fire-lighting provided in this manual.
- Poor quality combustibles for fire-lighting. Do not use waste wood, ground wood, impregnated wood, laminated plastic, plywood or the like. Always use clean and dry combustibles.

Smoke gets into the room when the door is opened

- Opening the door too quickly causes pressure equalisation in the combustion chamber. Open the door slowly.
- Poor chimney draught. Contact your chimney sweep or reseller to check the height of the chimney in relation to the draught that the stove requires.
- Too much negative pressure in the home. Open air supply vent or window to increase oxygen in the air.

White smoke

- Combustion temperature is too low. Increase air supply.
- The wood is damp and contains water vapour. Use clean and dry combustibles.

Black or dark grey smoke

- Incomplete combustion. Increase air supply.

Oden 6300

Warranty Certificate

Warranty Terms

Josef Davidssons Eftr AB is responsible for ensuring that the products are not defective in any way that can be attributed to manufacturing or storage at the factory. The warranty is valid from the date of delivery to the customer.

Josef Davidssons Eftr AB accepts no responsibility for dismantling and assembly costs for replacement of a stove.

Josef Davidssons Eftr AB accepts no liability for costs due to downtime or other direct or indirect costs or damage.

The warranty conditions do not apply to glass or the replaceable fireplace parts.

Warranty period for grates, branding iron, vermiculite and glass is 1 year.

10 years

Oden 6300



Mikael Andersson, Owner

NB!

The installation of a fireplace must be reported to the local planning commission. The homeowner is responsible for ensuring that the required safety requirements are met and must have the installation checked by a qualified inspector.

The chimney sweep must be informed about the installation as it causes a change in the need for sweeping.

**JOSEF DAVIDSSONS**


since 1882



Oden 6300 - Soapstone & Convection

	22 NB 1015 Oden 6300 DoP Nr. JD_6300_TK_220519 EN 13240:2001/A2:2004 www.josefdavidssons.se/prestandadeklaration SWE / EN / DE
PRODUKT / PRODUCT / PRODUKT	
Produkttyp / Product type / Produkttyp	Kamin / Wood burning stove / Holzofen
Typbeteckning / Product name / Produkt name	Oden 6300 Täljsten & Oden 6300 Konvektion Oden 6300 Soapstone & Oden 6300 Convection Oden 6300 Speckstein & Oden 6300 Konvektion
Avsedd användning / Intended use / Verwendung	Rumsvärmare / Space heater / Raumheizung
Bränsle / Fuel / Brennstoff	Ved / Wood / Holz
VÄSENTLIGA EGENSKAPER / ESSENTIAL PROPERTIES / WESENTLICHE EIGENSCHAFTEN	PRESTANDA / PERFORMANCE / LEISTUNG
Brandsäkerhet / Fire safety / Brandschutz	Klarar / Pass / Zugelassen
Rökgastemperatur / Flue gas temperature / Rauchgastemperatur	229°C
Rökgasstos / Diameter of the flue gas connector / Rauchgasschluss	Ø125 mm
Minsta avstånd till brännbart material / Minimum distance to flammable material / Mindestabstand zu brennbarem Material	Bak till / Back / Hinter: 100 mm Sidan / Side / Seitlich: 300 mm Framför / Front / Vor: 850 mm
Emissioner från förbränning / Emissions of flue gases / Rauchgasemissionen	CO = 0,06%
Angivning av farliga ämnen / Release of dangerous substance / Freisetzung von gefährlichen Stoffen	NPD
Elektrisk säkerhet / Electrical safety / Elektrische Sicherheit	NPD
Mekanisk hållfasthet / Mechanical resistance / Mechanische Festigkeit	Klarar / Pass / Zugelassen
Nominell effekt / Nominal heat output / Nennleistung	6,0 kW
Verkningsgrad / Efficiency / Wirkungsgrad	81,6%
Yttemperaturer / Surface temperatures / Oberflächentemperatur	Klarar med handske / Pass with glove / Mit Handschuhe zugelassen
 JOSEF DAVIDSSONS since 1882	Josef Davidssons Eftr. AB Jättevägen 1 33375 Reftele +46 371-200 01 info@josefdavidssons.se
Tillverkningsår / Year of manufacture / Herstellungsjahr Serienummer / Serial number / Seriennummer	

Oden 6300 - Radiation

	22 NB 1015 Oden 6300 DoP Nr. JD_6300_S_220519 EN 13240:2001/A2:2004 www.josefdavidssons.se/prestandadeklaration SWE / EN / DE
PRODUKT / PRODUCT / PRODUKT	
Produkttyp / Product type / Produkttyp	Kamin / Wood burning stove / Holzofen
Typbeteckning / Product name / Produkt name	Oden 6300 Strålning Oden 6300 Radiation Oden 6300 Strahlung
Avsedd användning / Intended use / Verwendung	Rumsvärmare / Space heater / Raumheizung
Bränsle / Fuel / Brennstoff	Ved / Wood / Holz
VÄSENTLIGA EGENSKAPER / ESSENTIAL PROPERTIES / WESENTLICHE EIGENSCHAFTEN	PRESTANDA / PERFORMANCE / LEISTUNG
Brandsäkerhet / Fire safety / Brandschutz	Klarar / Pass / Zugelassen
Rökgastemperatur / Flue gas temperature / Rauchgastemperatur	229°C
Rökgasstos / Diameter of the flue gas connector / Rauchgasschluss	Ø125 mm
Minsta avstånd till brännbart material / Minimum distance to flammable material / Mindestabstand zu brennbarem Material	Baktill / Back / Hinter: 100 mm Sidan / Side / Seitlich: 400 mm Framför / Front / Vor: 950 mm
Emissioner från förbränning / Emissions of flue gases / Rauchgasemissionen	CO = 0,06%
Angivning av farliga ämnen / Release of dangerous substance / Freisetzung von gefährlichen Stoffen	NPD
Elektrisk säkerhet / Electrical safety / Elektrische Sicherheit	NPD
Mekanisk hållfasthet / Mechanical resistance / Mechanische Festigkeit	Klarar / Pass / Zugelassen
Nominell effekt / Nominal heat output / Nennleistung	6,0 kW
Verkningsgrad / Efficiency / Wirkungsgrad	81,6%
Yttertemperaturer / Surface temperatures / Oberflächentemperatur	Klarar med handske / Pass with glove / Mit Handschuhe zugelassen
 JOSEF DAVIDSSONS <small>since 1882</small>	Josef Davidssons Eftr. AB Jättevägen 1 33375 Reftele +46 371-200 01 info@josefdavidssons.se
Tillverkningsår / Year of manufacture / Herstellungsjahr Serienummer / Serial number / Seriennummer	



JOSEF DAVIDSSONS

since 1882