Instructions for assembly and use

Svea Flame serien

Well Done

On Top

aRound

Favorite

Steb By Step

inQubic

aRound - on Top - Well Done - Favorite - Step by Step - in Qubic

TISA Konstruktion HB
UtgSva 1.2009SF

Kara kind,

TISA Konstruktion only offer high quality products with pleasing design and reliable operation, For us, safety and high manufacturing standards are the most important and we ensure a long life product with high efficiency and good heating economy. Even the best stoves require good handling and regulare care, based on information and know-how. Please read these instructions carefully before lighting your first fire. Potential mistakes such as unsuitable fuels, excessive heat levels, and inadequate maintenance can rapidly cause damage which is not covered by our guarantee Please pay particular attention to the safety instructions on the final page, since they help you to avoid possible damage and identify potential risks

Yours sincerely,
TISA KonstruktionHB

Bear in mind that certain parts of the fireplace become extremely hot in the course of the combustion process, and take suitable precautions if there are children and/ or pets in the vicinity. You should also take into account that a space of at least 1000 mm must be allowed between the front of the hearth and combustible furnishings.

Study the user instructions carefully before using the stove and remember that the installation must be first approved by a chimney sweep.

The stove and the chimney must be arranged in a way that ensures that they cannot start a fire in adjoining fixtures or parts of the building. The flue must be installed in a manner which permits chimney-sweeping for the full flue length, and with ready access to cleaning doors

CONTENTS

GENERAL

Manufaduror'sassurance

This product has been manufactured in ac cordanc e with the type approval documentation, of which the instructionsfor assembly, use and maintenanc e form an intrinsic part.

Planning application

Before commencing a new installation of a stove and chimney in an area covered by town planning, you must notify the loc al planning authority. The planning and building offic e in your loc al municipality will provide further information.

Inspoction

When installationhas been completed, it must always be inspected by a chimney sweep before the stove is used, irrespective of whether it is connected to a new or an existing chimney.

Guarantee

Before usingyour stove, you should read the terms of the guarantee (see our website), india sting the requirements that must be met if the guarantee undertakings are to apply.

Chimnoy

The diameter of the flue must be at least 150 mm, and we recommend a in|mum flue height of 3. 5 moires, measured from the stove flue-connectionpoint. Follow the chimney supplier's assembly instructions c arefully. If you intend to fit your stove to an existing masonry chimney, it should first be inspected by a chimney sweep to cheek that it is in good order. The stove can be connected at either a 45" angle, or at a 90" angle, straight-back with a cleaning door, to a chimney approved for a maximum flue-gas temperature of 350" C.

Dislancoham combustiblewall sudaces

The minimum distanc e from a combustible wall surface is mm at the sides and mm at the rear (see diagram meson page 8). The minimum distance from furnishings in front of the stove is mm. If the st ove is placed against a masonry chimney or a firewall installation, the Space behind the stove may be reduced to 50 mm.

Load-boaring slruduro

A stove with a chimney doe snotnormally require special foundations and can be placed on an ordinary floor supported by wooden rafters. If you are unc ertain, contact a chimney sweep for further advic e and instructions

Freplace baso

The stove must be placed on a fireplacee base consisting of concrete, natural stone, brick or glass with a thickness of at least 50 mm, or sheet metal with a thisknees of 0 7 mm The base must cover the entire surface under the stove and extend at least 300 mm in front of the stove and 100 mm at the sides. A fireplac e base in sheet metal or glass is availableas an optional extra.

Whal isincluded?

The delivery includes the stove and insertsfor a top or rear connection. Options include a fireplace base and a connection kit for an existing chimney. Anoutside air-feed connection and a fan are also offered as optional extras

Envimnmontal approval

These instructions are also valid for product-type and environmental approv al documentationpurposes See page 13.

TransportaNachmorTts

When delivered the baffle plate is aftached with a special glue to provide from falling or breaking. The glue will dispensary when the first fire is lit. If you wish to remove the baffel beforethat, perhaps as the chimney sweeper does the inspection, just use a c arpent ers knife to carefully loosen the two glue dot ts, one on each site of the baffel.

The stove will be delivered like this

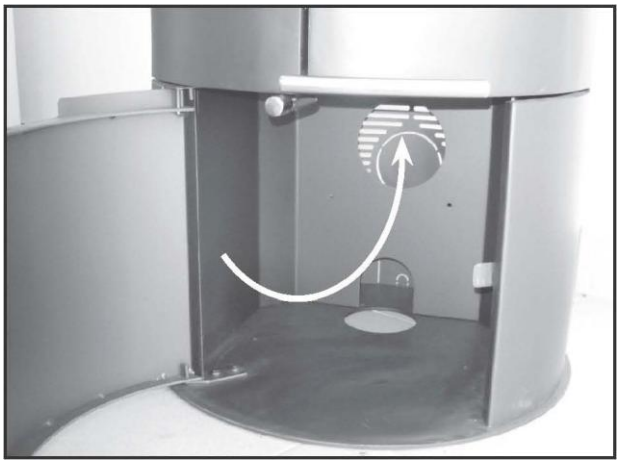
Reseipt of goods

The product may have been damaged in transport, although this may not be apparent from the external packaging. It is important that you inspect the stove carefully and report any damage to the transport company within seven days. You should note visible damage immediately on the delivery note, in connection with receipt of the goodson delivery, the stove is attached to a pallet with screws, under a wooden frame, and is covered with sheet plastic. Take precautions to avoid damage when unpacking and assembling the stove.

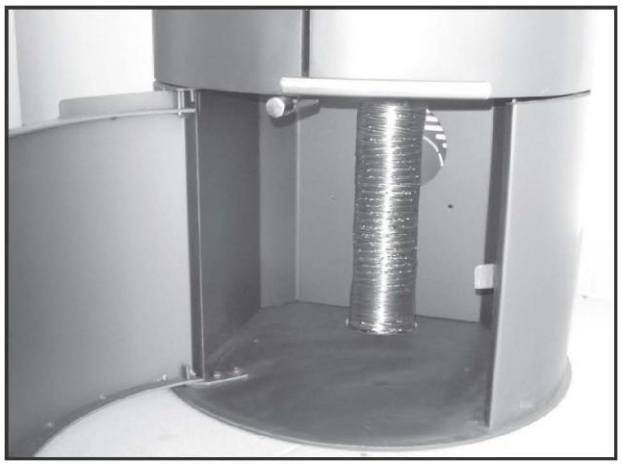
A stove glove 'aka ' cool hands

Cool hands

The stove glove supplied is equipped with a practical magnetic attachment. Always use the glove when you open the door to put on more logs, since the fire-door handle may be hot. Don't store the glove on the stove while heated iDon't use the glove inside the stove!



Find the collar to the outdoor air supply inside the log compartment.



The connection hose should be insulated.

Outdoor air connection

The air consumed in the combustionprocess has to be replaced, particularly in well-insulated buildings. The air feed to the hearth may be direct, via an outdoor air connection, or indirect, via a vent in an external wall. In the case of an outdoor air feed, the stove connection point has a diameter of 60 mm. If the air channel passes through a warm area it should be insulated to prevent condensation. The minimummineral-wool insulation thickness is 30 mm, with plastic foil on the outside. Anti-condensation lagging may also be used.

The outside air hose can be directed straight down through the floor or directed through the lower hole at the back of the stove and through the wall. See the picture at the top of this page.

Fan (optional extras)

See separate manual for fan assembly.

Stone base unit (optional extras)

The stone-base unit, and the cast-iron base unit, which are optional extras, increases the connection height by 40 mm.

ASSEMBLY

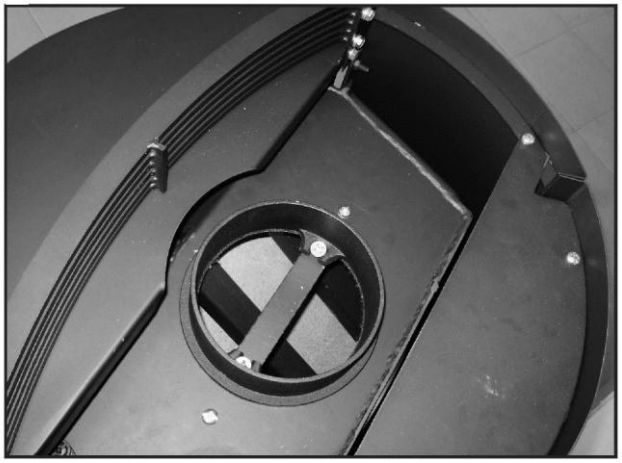
The right location

When you are deciding where the stove is to be placed, it is important to soled a central location in your house in order to ensure even distribution of heat. If you are also planning to install a chimney, it is an advantage if the chimney exit point is as close to the roof ridge as possible, since this entails both aesthetic and cost benefits If there is a floor-level above the stove, you should alsothink about how the chimney is to pass through it. A cupboard or a corner area is often a good location for a flue shaft. The floor surface on which the stove is to rest must be even and horizontal.

Order of assembly for top connection

Follow the chimney supplier's instructions carefully. Assembly is accomplished in the following order:

1. Prepare air-feed to the hearth (if required)
2. Cut hole in ceiling
3. Install the fireplace base
4. Lift the stove into position
5. Assemble the plummet stop (see picture below) and the fit the top unit in place and grid when applicable
6. Assemble the chimney (see right pictures).

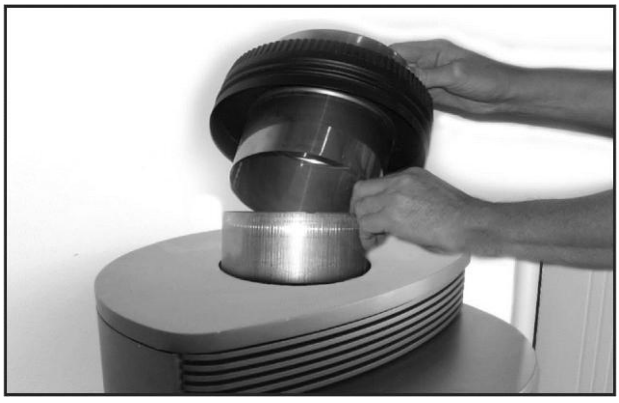


Step 5. Plummet stop at top connection

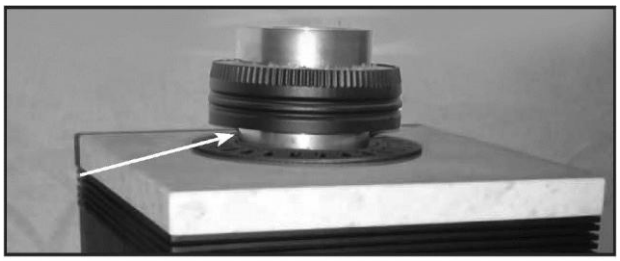
Ball/plummet stop

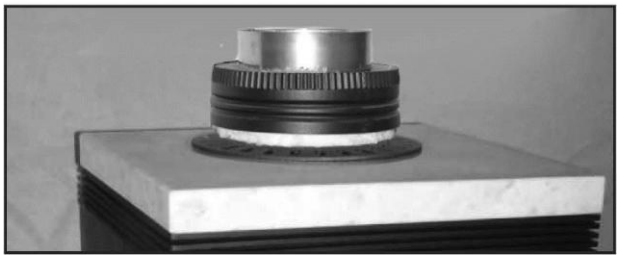
If a top connection is employed, it is important to ensure that the plummet stop is fitted inside the stove insert. The plummet stop prevents damage to the flue baffle during chimney-sweeping operations

Fit the top unit before the chimney is assembled.



Start by fitting the adapter pipe, using stove sealant (see photo). The next stage is to fit the connection piece and the flue modules, in accordance with the chimney manufacturer's instructions





If there is a gap between the stove and the connection piece, insulate it with carb olic, rock wool, or a similar material. Then insert the flue pipes to achieve a tight fit against the stove.

Svea F/ame *Step by Step in black, top connected and ready to be inspected by the chimney sweep.*

Connection to an existing masonry chimney

The stove is approved for a rear connection to a chimney with a 1/2 brick connection point which is approved for a 350' C flue-gas temperature.

m e sure e where the hole is to be made in the chimney. Mark the hole and chisel it out so that it is slightly larger than the diameter of the chimney insert, allowing sufficient space to cement the insert in place, using mortar. Cement the insert into the hole.

2. The stove is normally supplied for a top connection. If you intend to employ a rear connection, use the rear-connection cover plate instead to replace the insert on top of the stove. Apply stove sealant to ensure a good seal between the stove and the cover plate. See pictures to the right.

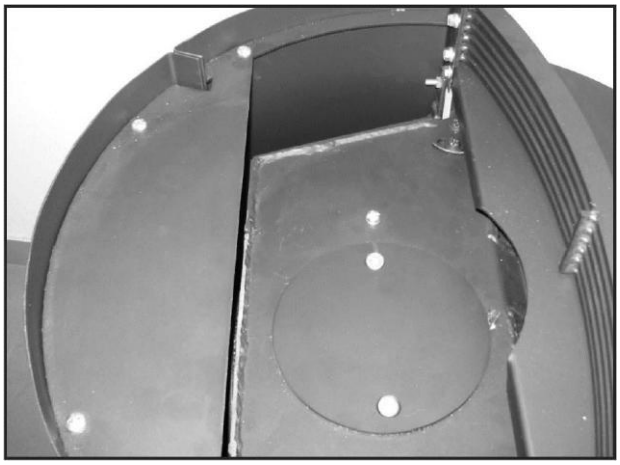
pl ce e the Door plate/fireplace base in position.

4.Fit the connection pipe which is to be fitted into the chimney insert over the stove connection insert. Apply a thin layer of stove sealant around the insert before fitting the connection pipe.

5. Apply stove sealant to the stove insert and push the flue pipe into position. The stove is then placed in position and the Due pipe is cemented in place. If you are using a chimney insert, tamp in packing fibre around the Due pipe. Check that the distances are correct.

Remove the lid from the back of the stove.

Fit the Rue collarfrom the top to the back ofthe stove



Apply stove sealant to ensure a good seal between the stove and the coverplate.

Place the /id on the top base unit.

SPECIFICATIONS

Design specifications

Colour	another
Glass, ceramic	withstands 750 C
Door	5 mm sheet steel
Grate	cast iron
Hearth base	vermiculite
Hearth tining	vermiculite

The hearth is approved for a chimney with a 1,2 brick connection (350 C), and the stove is designed for a chimney drought of at least 12 pa, as provided by a chimney with a minimum length of 3.5 metros and a cross-section of 150-200 cm2 (diam. 150 mm).

Data

Output	8 kW
Nominal output	5,9 KW
Efficiency SS-EN13240	74,9%

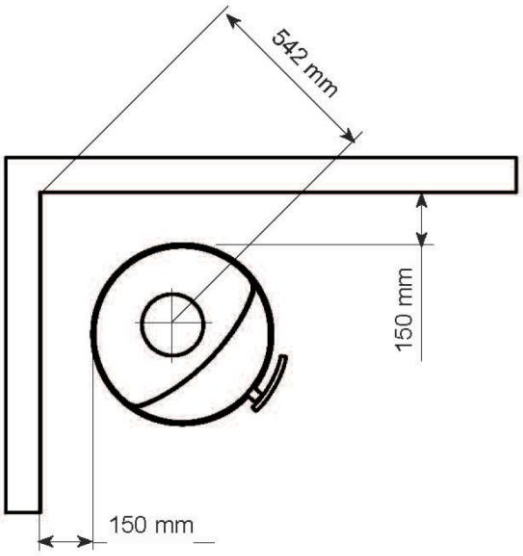
Weights:

Svea Flame around	105 kg
Svea Flame on Top	105 kg
Svea Flame Well Done	120 kg
Svea Flame Favorite	204 kg
Svea Flame Step by Step	127 kg
Svea Flame in Qubic	142 kg
Flue pipe diameter	150 mm
Logs	35 cm

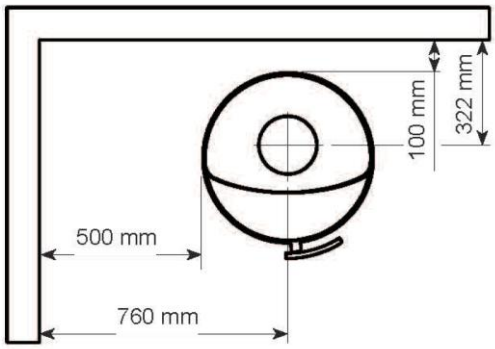
Optional extras

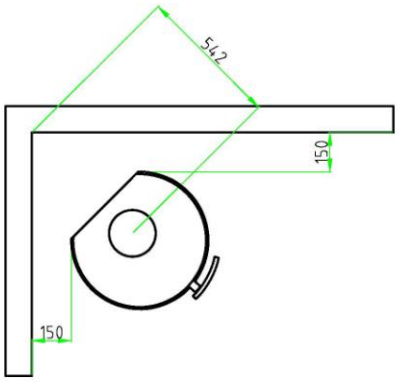
Outdoor air connection	
Fan	960 mm 12 V
Floor protection	toughened glass
Floor sheet metal	grey or black

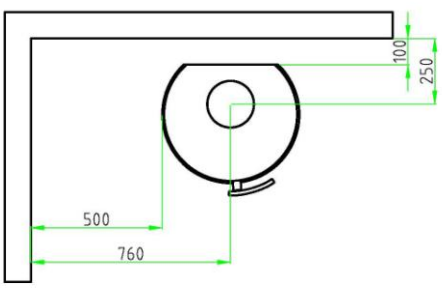
Combustible wall, corner locations



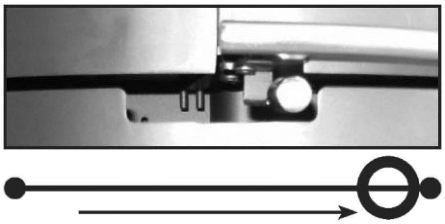
Combustible wall, straight-wall locations





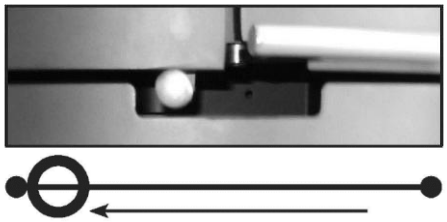


Output control



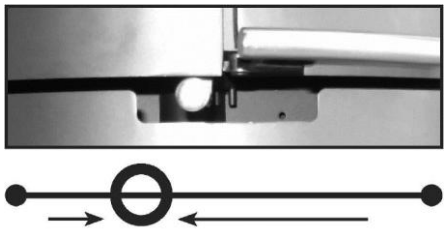
Open

When the control is to the right, the primary air feed is fully open.



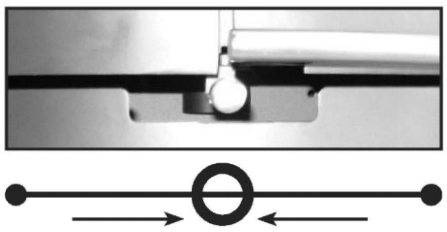
Closed

When the control is to the left, the primary air feed is closed.



Economy position

When the control is in this position, an economy output of 3-4 kW is normally achieved.

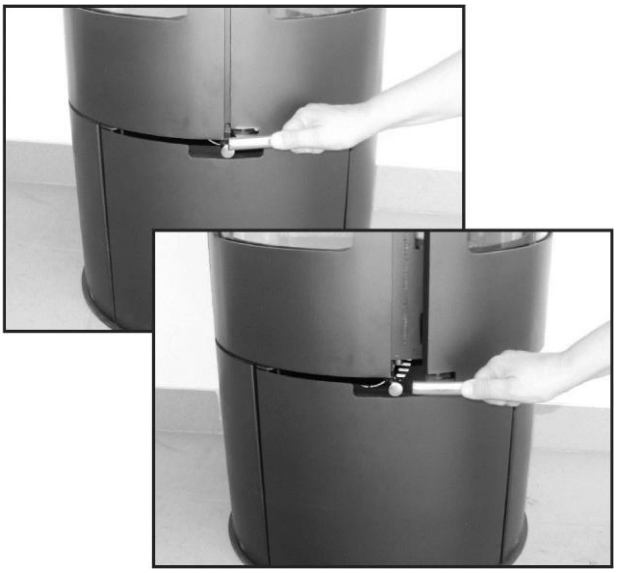


Nominal position

With the control in this position, a nominal output of 5.5 kW will normally be achieved (1.5 kg birch wood in the form of 3 logs).

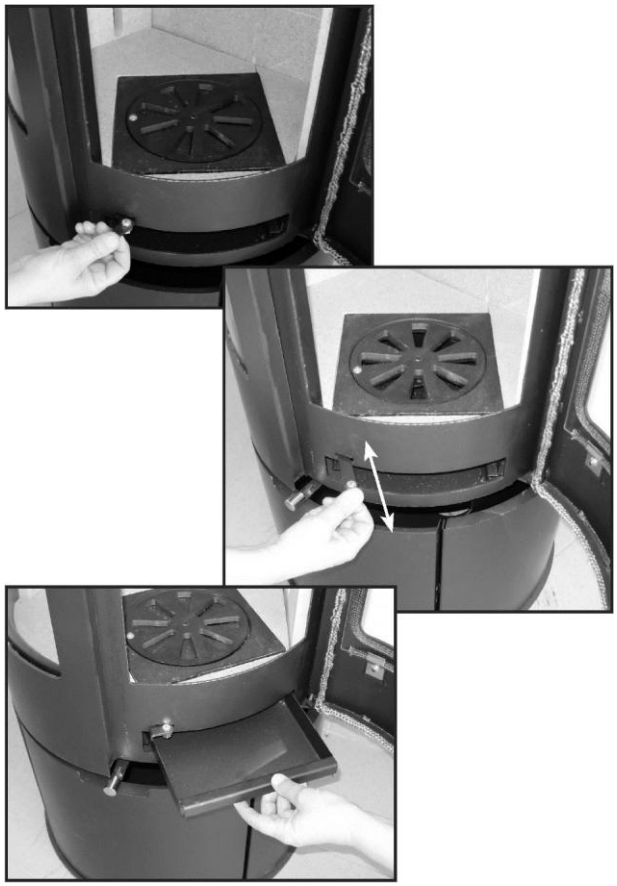
How to open the door

Open the door by pulling the handle towards you



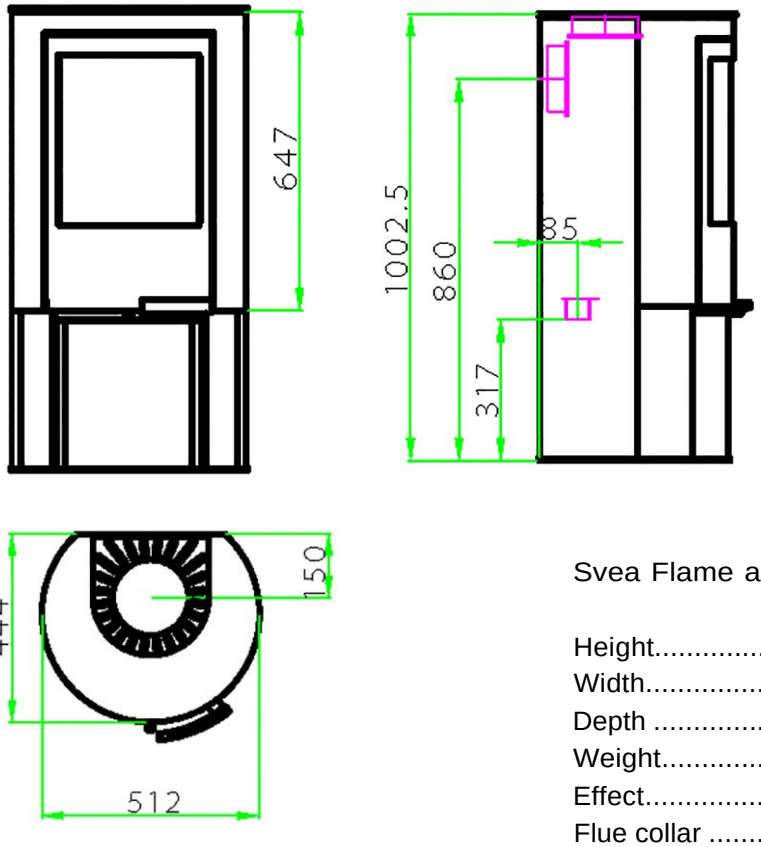
Ash disposal & grate controls

The stove has a grate and an ash tray. Open the grate by pulling the handle towards you and then push it back again. Repete. The ash falls down into the ash tray.



When the ash tray is emptied, make sure that there are no glowing embers. The ash must be stored in a fireproof container for at least 24 hours before disposal.

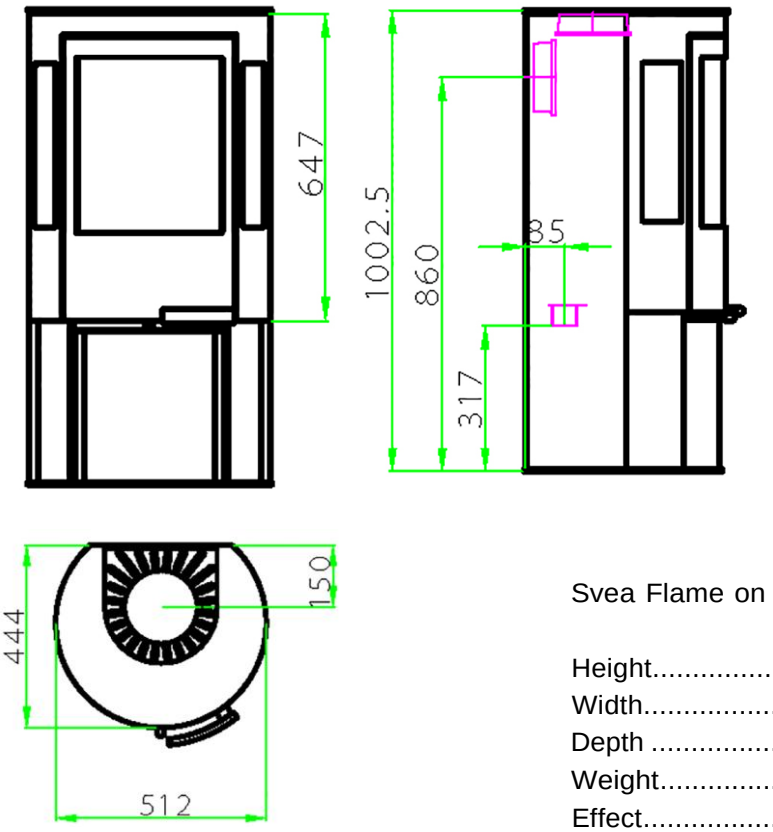
Svea Flame aRound



Svea Flame aRound

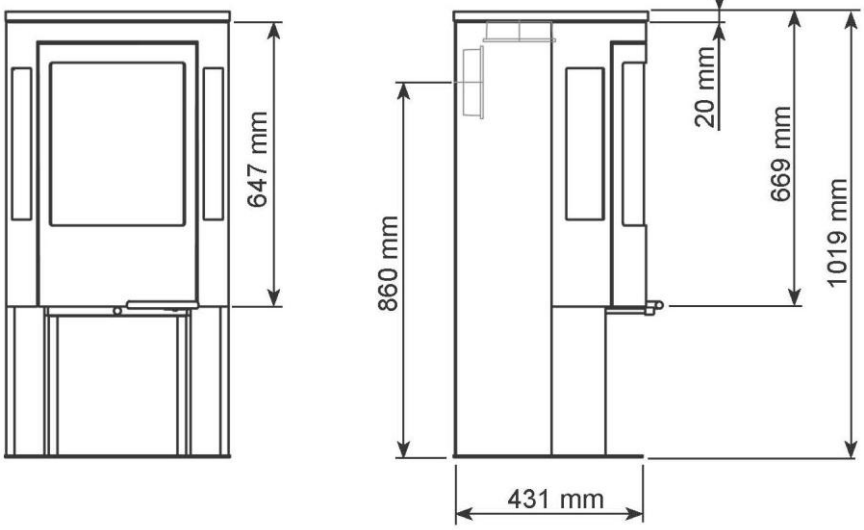
Height.....1002,5 mm
Width.....512 mm
Depth .....444 mm
Weight.....105 kg
Effect..... 2-8 kW
Flue collar .....150 mm
Logs.....35 cm

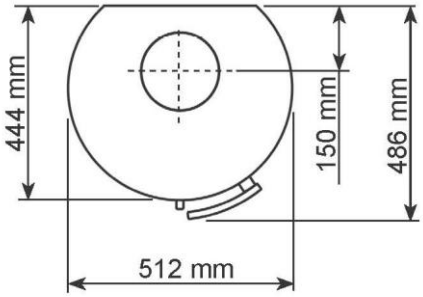
Svea Flame on Top



Svea Flame on Top

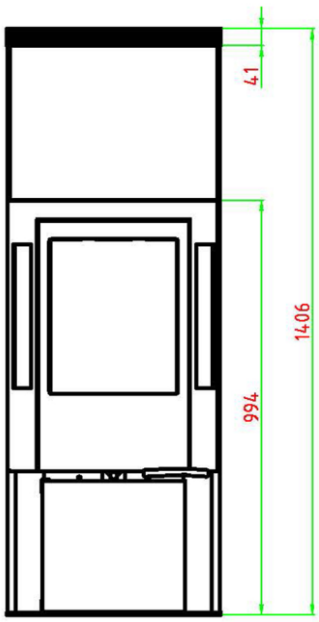
Height.....1002,5 mm
Width.....512 mm
Depth .....444 mm
Weight.....105 kg
Effect..... 2-8 kW
Flue collar .....150 mm
Logs.....35 cm

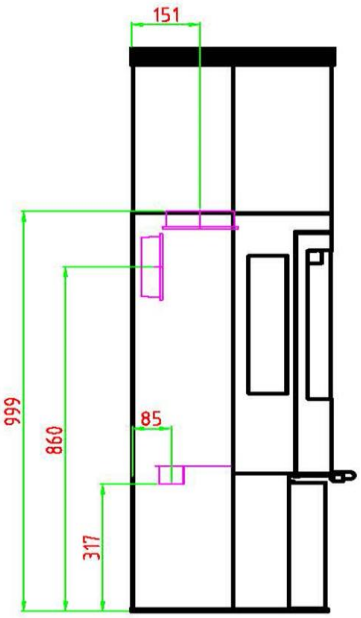




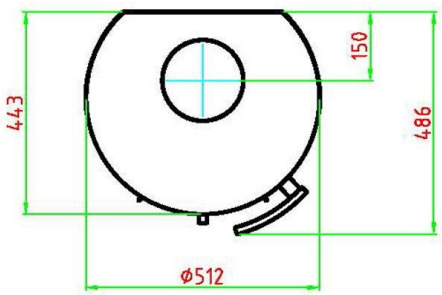
Svea Flame Well Done

Hight standard .....1019 mm
Width.....512 mm
Depth .....444 mm
Weight.....120 kg
Effect..... 2-8 kW
Flue collar .....150 mm
Logs .....35 cm



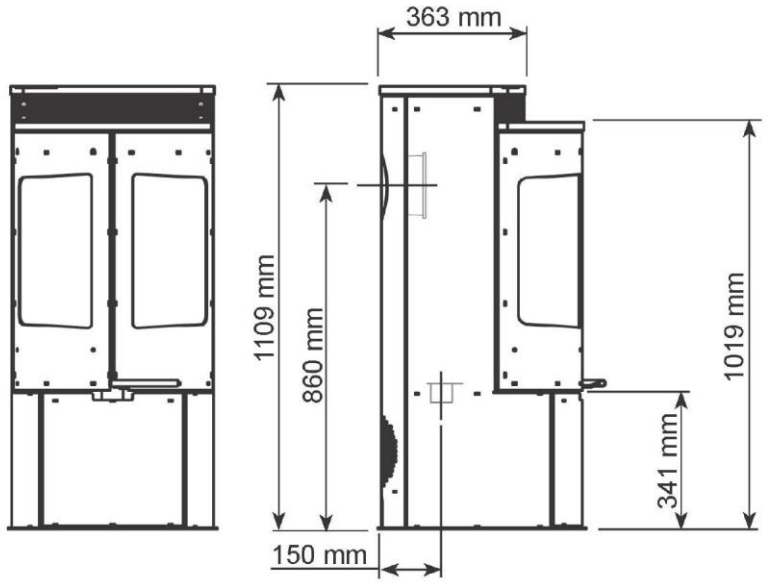


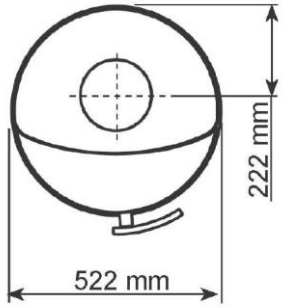
Svea Flame Favorite



Hight standard .....1406 mm
Width.....512 mm
Depth .....443 mm
Weight .....ca.200 kg
Effect..... 2-8 kW
Flue collar ..... 150 mm
Logs .....35 cm

Svea Flame Step by Step

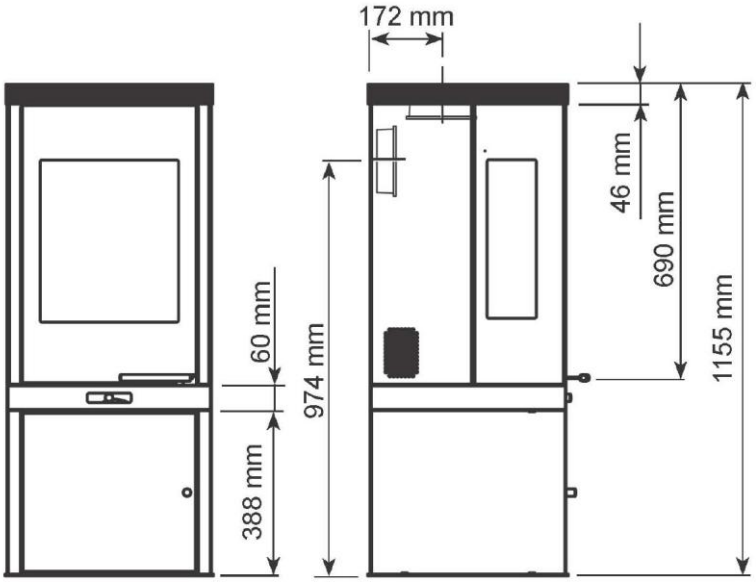


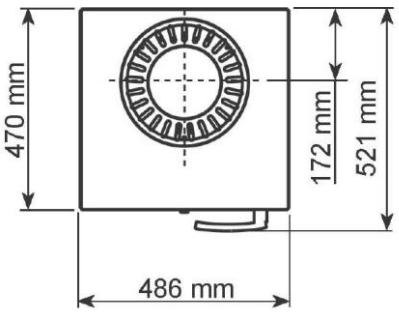


Svea Flame Step by Step

Hight standard	1109 mm
Width	522 mm
Depth	522 mm
Weight	1 27 kg
Effect	2-8 kW
Flue collar	150 mm
Logs	35 cm

Svea Flame in Qubic





Svea Flame in Qubic

Hight standard	1155 mm
Width	486 mm
Depth	470 mm
Weight	142 kg
Effect	2-8 kW
Flue collar	150 mm
Logs	35 cm

PRESTANDADEKLARATION
Nr: 10-1001

TISA KONSTRUKTION HB

PRODUKT

Produkttyp	Kamin eldad med fasta biobränslen
Typbeteckning	Well Done, Step By Step, Favorite, In Qubic, On Top, A Round
Tillverkningsnummer	Se märkskylt på kaminen
Avsedd användning	Rumsuppvärmning i bostadsbyggnader
Bränsle	Ved

TILLVERKARE

Namn	TISA KONSTRUKTION HB
Adress	Motala, Sweden

KONTROLL

Enligt	System 3
Europa standard	EN13240:2001/A2:2004
Testinstitut	TSU Piestany, Slovakien, Test report No: 93 000025

DEKLARERAD PRESTANDA

Väsentliga egenskaper	Prestanda	Harmonisk teknisk specifikation
Minsta avstånd till brännbart material	100 mm till rygg 500 mm till sidan Övriga sekerhetsavstånd enligt installationsanvisning	
Risk för utfallande glöd	Godkänd	
Emissioner från förbränningen	CO 0,06%	EN13240:2001/A2:2004, MPS 314/3.1.1
Rökgastemperatur	314,4 C	
Rökkanalens dragningsvärde	12 Pa	
Dammkoncentrationen vid 13% O_2	48 mg/m^3_n	
Yttertemperaturer	Godkänd	
Rengörningsmöjligheter	Godkänd	
Mekanisk hållfasthet	Godkänd	
Utsläpp av farliga ämnen	Godkänd	
Effekt	8 KW	
Nominell effekt	5,9 KW	
Verkningsgrad	74,9%	

CE

Undertecknad ansvarar för tillverkning och överenstämmelse med deklarerad prestanda

Zdravko Zoric

Zdravko Zoric, Tisa Konstruktion HB
Motala den 1 oktober 2014

aRound - on Top - Well Done - Favorite - Step by Step - in Qubic

USE

The key factors for satisfactory operation of your new stove are proper installation and compliance with the user instructions. If you use the stove in the right manner, it will lastfor many years.

The best heating results are achieved if you use split birch logs (or most other types of deciduous wood), since they burn more steadily than coniferous logs If you use oak, beech or other type of logs with a high heat content, you should always mix them with other types of wood to avoid potential damage to the stove

The logs should be dry (approx 20% moisture content) and of the right size (about 320 mm long with a diameter of 50-80 mm). In normal use, 1.5 kg of wood per hour is appropriate with a maximum permissible quantity of 1,8 kg per hour, The Testing Institute has concluded that optimum results are achieved at 1,3 kg of wood per 45 minutes In the economy setting an output of 3-4 kW is normally achieved when the stove is loaded with 1.5 kg of wood in the form of 3 logs Please note that this hearth is only designed for logs It is not appropriate to use alternative fuels such as pellets

It should also be noted that it is forbidden to burn timber containing preservatives, paint or adhesives, chipboard, plastics, and coated paper such as co|our brochures. During the combustion process, these materials release substances which are hazardous to health and may damage the stove. They can also attack the steel in the flue pipe and the mortar in a conventional masonry chimney.

Lighting a fire

- Open the door and place the logs in a crosswise horizontal position Start with small, dry sticks, on a layer of firelighters or screwed-up newspaper. The grate should be in the closed position. Leave the door slightly open for 5-10 minutes until the fire has taken hold properly This also ensures pre-warming of the glass and helps to avoid soot formation.

. When the fire has taken hold, close the door and open the air- feed control fully to the right (see page 8),

. Larger logs with a cross-section of 50-80 mm can then be inserted

. After a while, when the fire has really got going it may be necessary to reduce the heat. Reduce the combustion rate usingthe air-feed control(see page 9, Output control).

. The volume of combustion air and the heat output depend on the type of wood used, the moisture content, the type of chimney and the flue-draught (chimney length in relation to the negative pressure in the building), It does not take long to learn how to useyour stove to achieve maximum benefit and optimum heating results

Fuel replenishment

. Whenyou put more logson the fire, you should open the door slowly to avoid smoke gusts

. Level out the embers before inserting new logs This makes it easier for the new logs to catch fire.

. Put on 2-3 logs, and do not reduce the air supply until the logs have caught fire Never put onfreshlogs when the fire is already burning satisfactorily,

Worth knowing

. When the using the stove for the first time, a slightly unpleasant smell may be noted This is due to oil or paint residues in the hearth The smell will disappear after the fire has been lit a few times

. Check the door sealing gasket at regular intervals If it is damaged, it should be replaced

. Keep the hearth and the flue clean. If you use the stove frequently, you should sweep the chimney in the interval between regular visits by the chimney sweep

. If the outside temperature islow whenyou light a fire, it is a good ideato set fire to some paper and push it up into the chimney, Thiswarms up the flue and improves the drought,

. A coating of soot on the glass surfaces probably means that the hearth has not reached the right temperature One reason may be damp wood Wiping the glass with dry paper may be sufficient in some cases If the soot deposit has been there for some time, the best solution is to remove it with detergent or a special soot-removal product Alternatively, a normal oven… cleaning product can also be used. Never use a cleansing agent that contains an abrasive compound since this could damage the glass

. When the ash tray is emptied, make sure that there are no glowing embers The ash must be stored in a fireproof container for at least 24 hours before disposal.

. If a chimney-fire occurs, or if there is a risk of a chimney-fire, close the air-feed control and the door, If necessary, contact the fire brigade to have the fire extinguished The chimney must always be inspected by a chimney sweep after a chimney-fire has occurred