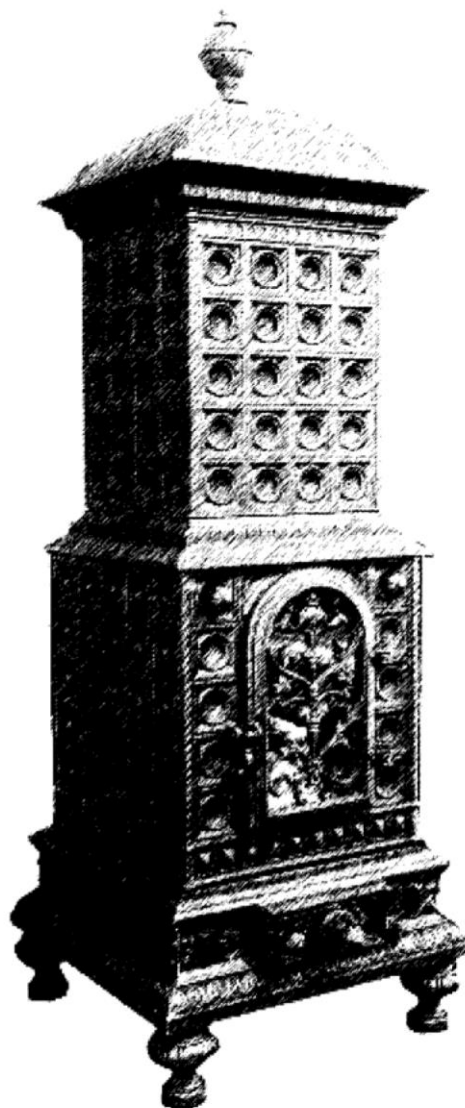


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# Royal Viking -

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Installation and care



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[www.j-davidssons.se](http://www.j-davidssons.se)

  
FOUNDED IN 1882  
**JOSEF DAVIDSSONS EFTR.**  
WOOD-BURNING COOKERS, STOVES & ACCESSORIES

[info@j-davidssons.se](mailto:info@j-davidssons.se)

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# Royal Viking

To get the most out of your stove, it must be:

1. *Correctly installed*
2. *Correctly operated*
3. *Properly maintained*

## Preparations

### Manufacturer's certification

This product was manufactured in accordance with its type approval documentation. These installation and care instructions are a part of these requirements.

### General

ROYAL VIKING is manufactured of rugged cast-iron and its firebox is lined with vermiculite.

The outside of the combustion chamber has a baffle system, including the flue gas channel which is designed to make flue gases rise, turn and descend again. All this ensures very efficient heating and means the average flue gas temperature is just 213° C. Well-sealed hatches and special air intakes ensure maximum heating effect, with primary air entering through the grate and secondary air through the upper part of the firebox.

Upon initial installation, an accredited building inspector should always inspect the work before the stove is used. This applies even if the stove is connected to an existing chimney.

Read the installation instructions carefully before starting.

### Chimney

The flue should be at least 125 mm in diameter and we recommend the flue gas channel should extend at least 3 m above the flue collar.

We recommend using a connection pipe with damper and soot door!

### Distance to the wall

The minimum distance to a combustible rear or side wall is 200 mm. If mounted against a firewall, the Royal Viking can be connected without an air gap on that side.

### Load-bearing capacity of the floor

A stove weighing no more than 350 kg can usually be placed on a standard timber joist floor in an average house. The stove must be placed on a hearth consisting of at least 50 mm of concrete, natural rock or brick, or 0,7 mm steel sheet. The hearth must cover at least 300 mm in front of the stove door and at least 100 mm on either side. A sheet metal floor protector is available as an accessory.

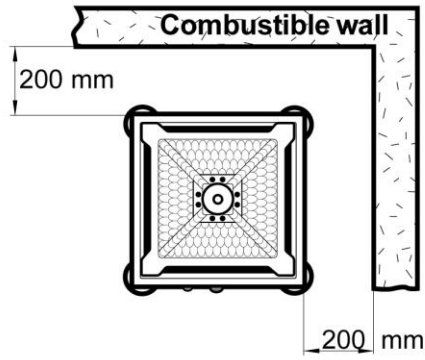
### Combustion air

In airtight, well insulated houses, the air used in combustion must be replaced via a vent in an outer wall. The vent must be placed as close to the Royal Viking as possible, and it should be possible to close it completely when the stove is not in use.

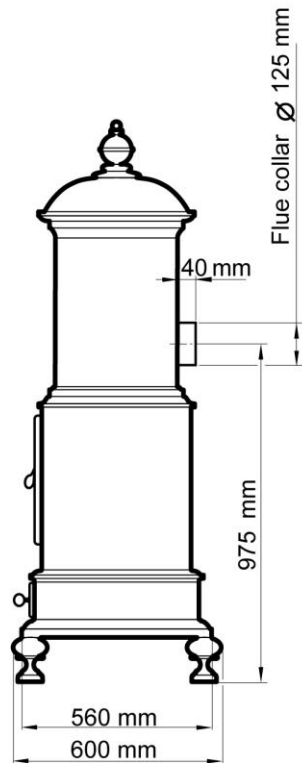
***Read the entire instruction manual carefully before using the stove. Don't forget the installation must be approved by a building inspector before you can use the stove.***

# Royal Viking

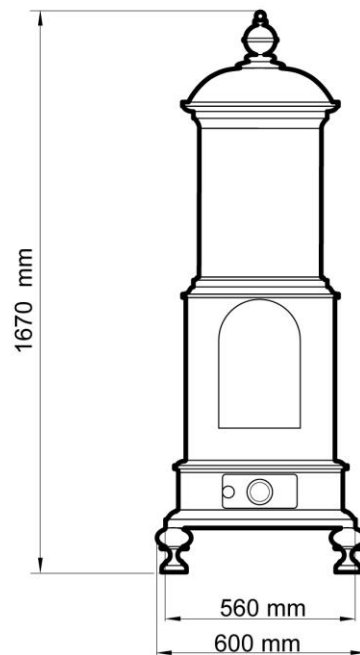
## Installation



Stove from above



Side view



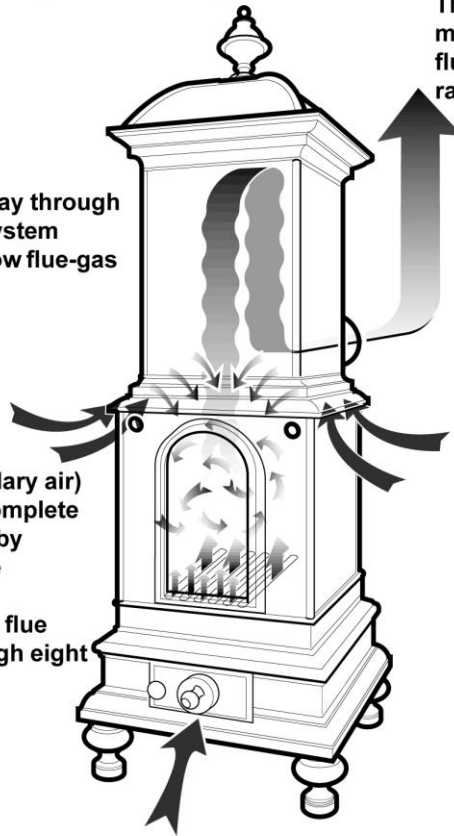
Front view

## Royal Viking

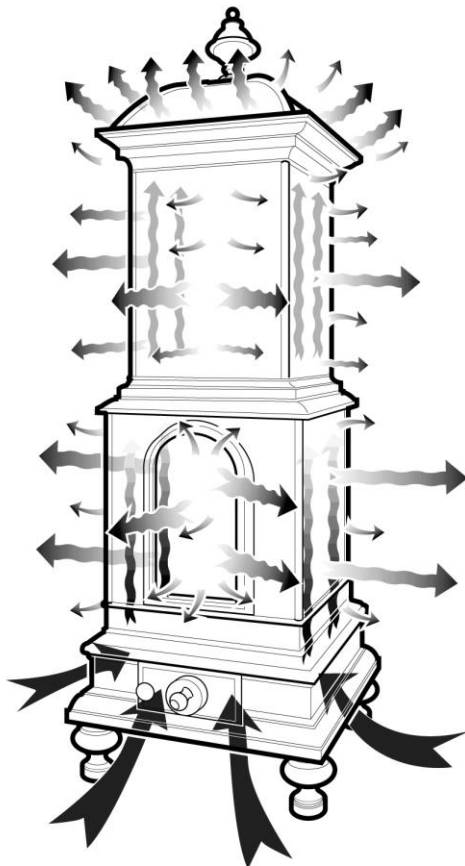
The flue gases are led a long way through an ingenious heat-absorbing system ensuring great efficiency and low flue-gas temperatures.

Feeding pre-heated air (secondary air) to the firebox provides more complete combustion of the wood, thereby contributing significantly to the efficiency of the stove. Air supply is regulated with the flue damper. the air comes in through eight holes in fireplace back plate.

The stove maintains very low flue gas temperatures.



The air intake for primary air is an adjustable valve in the ashbox.



The stove is designed to have a large heat-emitting surface. Heating comes from radiant heat as well as air circulating between the stove walls. Cast iron also retains heat, so the stove will emit heat even after the fire has gone out.

# Royal Viking

## Technical data

Heat output	kW	3-9
Triple values	6,9g/sek , 232C , 10 Pa	
Weight	kg	280
Size	height mm	1670
	width mm	560
	depth mm	560
Firebox dimensions	height mm	330
	width mm	230
	depth mm	325
Firebox opening	height mm	360
	width	200

Connection alternatives rear  
See attached sketches for dimensions

<b>Produkt:</b> Royal Viking	<b>Josef Davidsson's Eftr. AB</b> Box 42 330 21 REFTELE Sweden	
<b>Typ/Type/Type:</b> Raumheizer/Radiator/ Radiateur	<b>Brennstoff/Fuel/Combustible:</b> Scheitholz/Log wood/ Bois de chauffage	<b>Nennwärmeleistung/ Nominal heating capacity/ Puissance calorifique: 6 kW</b>
<b>Mindestabstände/ Least distances/ Distances minimales</b>	<b>Seitenwand/Side wall/ Panneau lateral: 200mm</b>	<b>Rückwand/Back wall/ Panneau arrière: 200mm</b>
<b>CO-Emission/ CO emissions/ Émissions de CO: 0,09%</b>	<b>Wirkungsgrad/ Efficiency/ Rendement énergétique: 80,3%</b>	<b>Abgastemperatur/ Flue gas temperature/ Température des gaz de Combustion: 232°C</b>
<b>Staub/Dust/ Poussière: 23mg/m³</b>	<b>Seriennr./Jahr/Year/Année</b>	<b>Zeitbrandfeuerstätte/ Time fire heat/ Foyer d'incendie de temps</b>
<b>Ausschließlich empfohlene Brennstoffe verwenden/Exclusively recommended fuels use/Les combustibles exclusivement recommandés utilisent</b>	<b>Mehrfachbelegung des Schornsteins ist Zulässig/Multiple allocation of the chimney is allowed/L'occupation multiple de la cheminée est admissible</b>	
<b>Prüfstellen-Kennziffer/ Testing centres-identity figure/ Numéro de lieux d'identification Dèssai: E-30-00043-11</b>	<b>Lesen und Befolgen Sie die Bedienungsanleitung/Reading and obeying the operating instructions/Lecture et le fait d'exécuter vous le mode d'employ</b>	
 <b>JOSEF DAVIDSSONS EFTR.</b>		

# Royal Viking

## Instructions for use and firing advice

Your new ROYAL VIKING should be broken in gently to ensure long life of the heat-resistant paint (this may smoke a bit initially). The ceramic firebox lining is very resistant to high temperatures but must not be subjected to heavy impacts.

## Fuel

The most efficient heating comes from split birch wood (and deciduous trees in general), as this burns more evenly than wood from coniferous trees. If you fire the stove with oak, beech or other highly heat-efficient wood, always mix in another type of wood or you will risk damaging the firebox. The wood must be dry, with about 20% moisture and in pieces measuring about 300-350 mm long and 50-80 mm in diameter. In normal use about 2 kg of wood are consumed per hour. Do not load more than 1,8 kg of wood in the stove at once. Never use fuels like sawdust, painted or pressure-treated wood. These can damage the stove and void the warranty.

## Lighting

When lighting your ROYAL VIKING, open the lower air vent slightly and leave the firebox door ajar for the best draught. After about 15 - 20 minutes, the fire will be drawing well and the door can be closed. Adjust the air supply using the left and right controls. If the chimney is cold and drawing weakly, you may light some newspaper in the soot hatch of the fluepipe.

## IMPORTANT !

It is important that the wood should ignite quickly. In the worst case, a smouldering fire can cause sudden gas ignition and damage the firebox. Leaving the door ajar helps the wood ignite quickly.

## Adding more wood

Open the door slowly to avoid smoke escaping. Use a piece of wood to spread the embers, this makes the new fuel ignite more easily. Place 2-3 pieces of wood on the embers and don't close the door until the wood begins to burn.

**Never add wood whilst there are flames in the stove.**

## Care and maintenance

The outside of the stove can be wiped with a dry or damp sponge. The grate should be riddled and cleared of ashes regularly. The best way to remove soot on the glass is with a commercial glass cleaner. Soot forms when the temperature in the firebox is too low (on lighting), if the wrong fuel is used or if the damper is closed too early after the fire is put out.

## Remember

- The first time you light the stove, there may be a rather unpleasant odour. This is caused by deposits of oil or excess paint on the cast iron and will disappear after a few uses.
- Check regularly that the door seal is not damaged and replace if necessary.
- Keep the firebox and fluepipe clean. If you fire the stove often, it is a good idea to clean the chimney once a year.
- After you have used the stove for a while, the glass may develop a sooty deposit. Your supplier has a special cleaning agent for this, standard oven cleaner also works well.
- If a chimney fire occurs or you are concerned that one may occur, close the damper and hatch. If necessary, call out the fire brigade. You must **always** have your chimney inspected following a chimney fire.



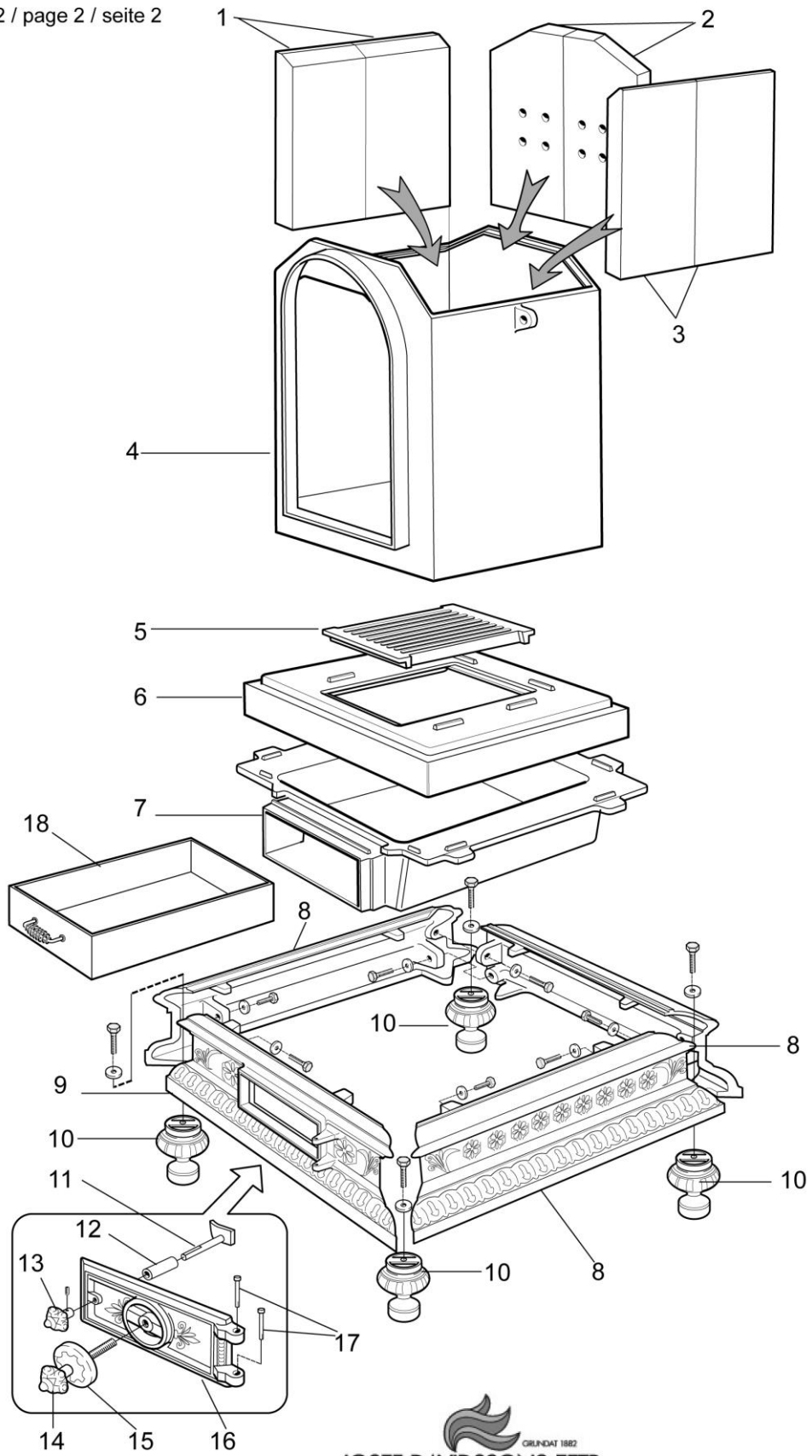
# Royal Viking

Reservdelista  
Spare parts list  
Teilleiste

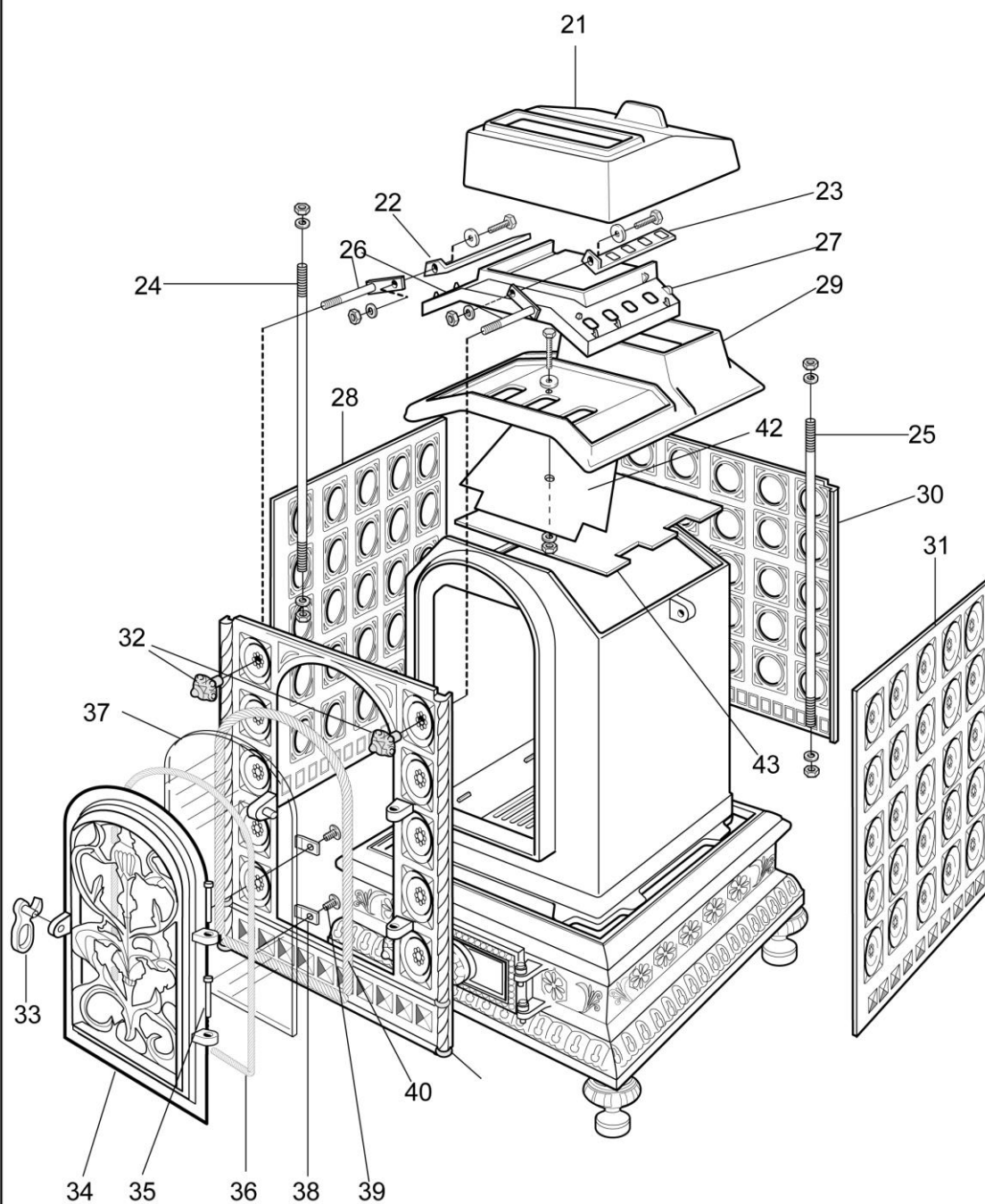


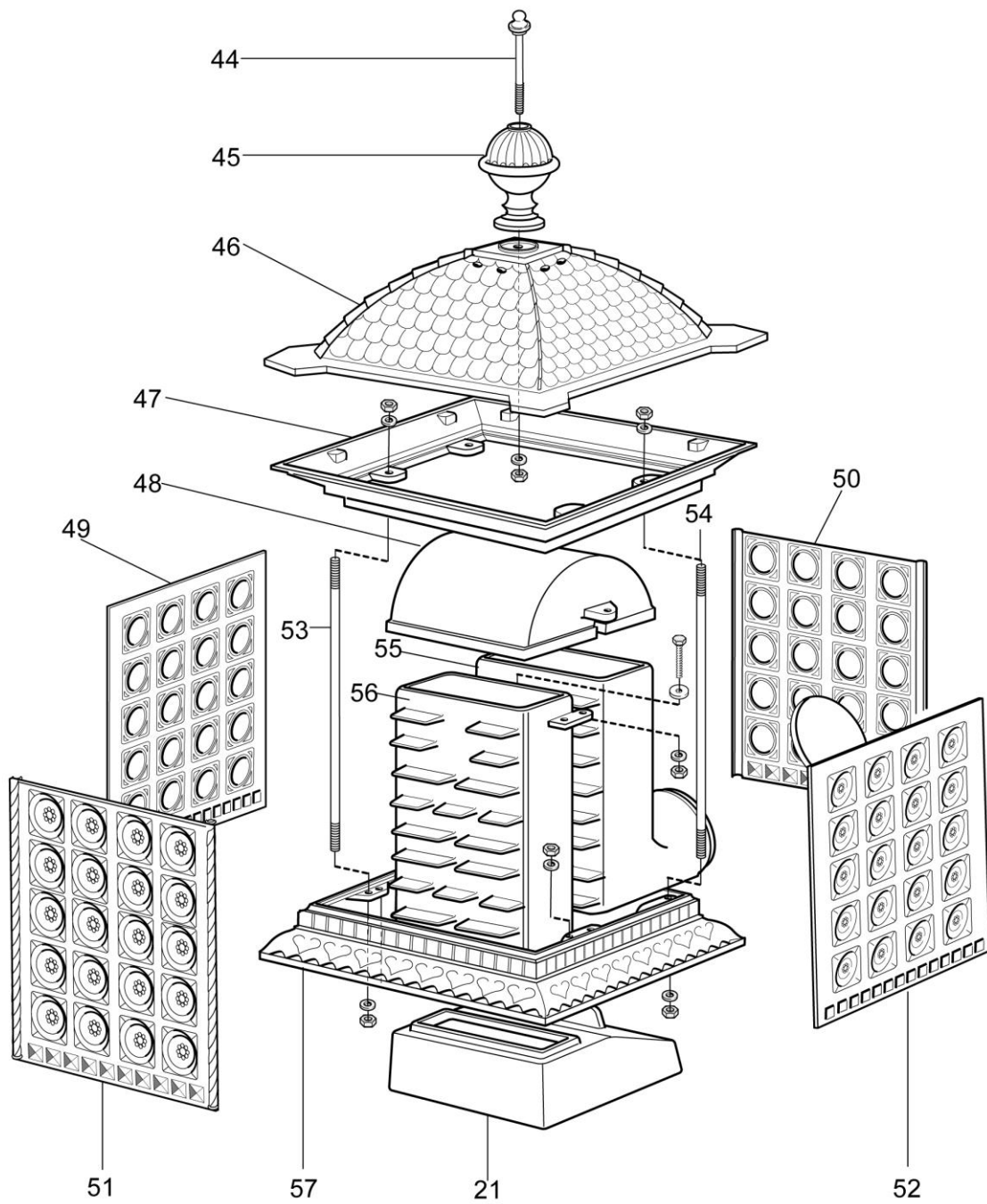
  
CIRKNDAT 1882  
JOSEF DAVIDSSONS EFTR.

EN 13240  
\$15a  
DIN+ 









Art. nr./Part no./Art.nr.	Benämning	Designation	Bezeichnung	Antal/Qty/Anzahl	
<b>Sid/Seite/Page 2</b>					
1	Eldfast värmeculit	Fireproof vermiculite	Keramikplatte (Culit)	2	
2	Eldfast värmeculit	Fireproof vermiculite	Keramikplatte (Culit)	2	
3	Eldfast värmeculit	Fireproof vermiculite	Keramikplatte (Culit)	2	
4	ID 8-26	Brännkammare	Combustion chamber	Brennkammer	1
5	ID 8-24	Roster	Grate	Rost	1
6	ID 8-23	Rostram	Grate frame	Rostrahmen	1
7	ID 8-22	Askbehållare	Ashbox	Aschbehälter	1
8	ID 8-1A	Sockel, sidor	Base, sides	Sockel, Seitenteile	3
9	ID 8-1A	Sockel, front	Base, front	Sockel, Front	1
10	ID 8-2	Fot	Foot	Fuss	4
11		Låsvred	Latch	Verriegelungsgriff	1
12		Hylsa	Casing	Hülse	1
13	ID 8-16	Knopp	Knob	Knopf	1
14	ID 8-17	Knopp	Knob	Knopf	1
15	ID 8-3A	Skruventil	Screw valve	Schraubventil	1
16	ID 8-3	Asklucka	Ash pan access door	Aschenpforte	1
17		Lucksprint, asklucka	Hinge pin, ash pan access door	Bolzen, Aschenpforte	2
18		Asklåda	Ash pan	Aschenkasten	1
<b>Sid/Seite/Page 3</b>					
21	ID 8-29	Rökgasfångare	Flue gas collector	Rauchgasfänger	1
22	ID 8-30	Luftreglage, vänster	Air supply control, left	Luftregulator, links	1
23	ID 8-30	Luftreglage, höger	Air supply control, right	Luftregulator, rechts	1
24		Dragstång	Pull rod	Tragstange	1
25		Dragstång	Pull rod	Tragstange	1
26		Reglagefäste	Bracket	Regulatorbefestigung	2
27	ID 8-28	Övre brännkammartak	Combustion chamber ceiling	Obere Brennkammerdecke	1
28	ID 8-6	Nedre sidostycke	Lower side piece, left	Unteres Seitenstück, links	1
29	ID 8-27	Nedre brännkammartak	Combustion chamber ceiling	Untere Brennkammerdecke	1
30	ID 8-5	Nedre sidostycke	Lower side piece, rear	Unteres Rückenstück	1
31	ID 8-6	Nedre sidostycke	Lower side piece, right	Unteres Seitenstück, rechts	1
32	ID 8-16	Knopp	Knob	Knopf	2
33		Lucklås	Latch	Türverriegelung	1
34	ID 8-7	Eldstadslucka	Fireplace door	Kamintür	1
35		Lucksprint, eldstadslucka	Hinge pin fireplace door	Bolzen, Kamintür	2
36		Lucktätning	Door seal	Türabdichtung	1
37	ID 8-34	Luckglas	Fireplace door glass	Türglas	1
38		Clips för glasinfastning	Glass retention clips	Befestigungsstück für das Glas	4
39		Skriv för clips	Screws for clips	Schraube für die Befestigung	4
40		Lucktätning	Door seal	Türabdichtung	1
41	ID 8-4	Nedre sidostycke	Lower side piece, front part	Unteres Frontstück	1
42	ID 8-25	Luftlederplåt	Baffle plate	Luftleitblech	1
43		Rökhylla	Smoke shelf	Rauchplatte	1
<b>Sid/Seite/Page 4</b>					
21		Se sidan 3	See page 3	Siehe Seite 3	
44	ID 8-15	Dragstång för toppdekor	Pull rod for finial	Tragstange für die Kronendekor.	1
45	ID 8-14	Toppdekoration	Finial	Kronendekoration	1
46	ID 8-13	Kaminöverdel - Krona	Top part of stove (crown)	Kaminoberteil - Krone	1
47	ID 8-9	Flänsram, övre del	Flange frame, upper part	Flanschrahmen, oberer Teil	1
48	ID 8-33	Sotlucka - Rökgasledare	Soot hatch-Flue duct, top part	Reinigungsloch - Rauchgasleiter	1
49	ID 8-12	Övre sidostycke, vänster	Upper side piece, left side	Oberes Seitenstück, links	1
50	ID 8-11	Övre bakstycke	Upper back piece	Oberes Rückenstück	1
51	ID 8-10	Övre framstycke	Upper front piece	Oberes Frontstück	1
52	ID 8-12	Övre sidostycke, höger	Upper side piece, right side	Oberes Seitenstück, rechts	1
53		Dragstång, vänster	Pull rod for lower left part	Tragstange, links	1
54		Dragstång, höger	Pull rod for lower right part	Tragstange, rechts	1
55	ID 8-32	Rökgasledare, bakre	Flue duct, rear part	Rauchgasleiter, hinten	1
56	ID 8-31	Rökgasledare, främre	Flue duct, front part	Rauchgasleiter, vorne	1
57	ID 8-9	Flänsram, nedre del	Flange frame, lower part	Flanschrahmen, unterer Teil	1

# *Guarantee Certificate*

## Guarantee conditions

*J Davidssons Eftr. AB is responsible for delivering a product free of defects in material and workmanship and any damage related to storing at the factory.*

*The time of guarantee starts from the date of delivery to the customer.*

*J. Davidssons Eftr AB will accept no liabilities for costs or expenses that may occur for dismantling or mounting by replacement of the stove.*

*J Davidssons Eftr. AB will accept no liabilities for costs occurred subsequent to a standstill or other direct or indirect costs and damages.*

*The guarantee conditions are not applicable to glass parts or to the replaceable fireplace parts. The time of guarantee for grates, internal cast iron side walls, etc is 1 year.*

3 Years	5 Years	10 Years
Viking 60, 75	Oden 110	Smålandsspisen 28, Smålandsspisen 1896, Idun Nr. 1, Viking 30, Royal Viking, Barnspis Oden 6318.

**Markus & Mikael Andersson, partners.**

*Markus Andersson*      *Mikael Andersson*

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### **Warning!**

When the stove is in use certain surfaces become very hot, more than 90°C. Physical contact with these surfaces can cause skin burns.

### **Requirements related to the flue.**

For both rear flue connections and top flue connections the chimney must be able to withstand temperatures of at least 350°C.

### **NB!**

Always contact your local authority planning office before installing a wood-burning stove.

The owner of the house is personally responsible for ensuring compliance with the mandatory safety requirements and must have the installation improved by a qualified inspector.

*Your local chimney sweeper must also be informed about the installation as this will affect the routines for regular chimney-sweeping services.*



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