

Wood-firing at
its **simplest**



broad range



maintenance-friendly wood-fired boilers

THE BENEFITS OF WOOD

- RENEWABLE ENERGY SOURCE
- ENVIRONMENTALLY FRIENDLY
- IT DOESN'T GET ANY CHEAPER
- LOWER ELECTRICITY CONSUMPTION
- WIDE CHOICE OF SUPPLIERS
- FREE IF YOU HAVE YOUR OWN SOURCE OF WOOD

MANY OPTIONS

Värmebaronen has Sweden's largest range of wood-fired boilers. Our range of products offers models to suit all requirements. Common to them all is the easy maintenance, which results in high efficiency, saving both time and effort.

- **Vedolux 40 & 50** – natural ventilation boilers
- **Vedolux 30 & 37** – wood-fired boilers with a suction fan
- **Vedolux Lambda** – Lambda control (see Lambda Brochure)

www.smokelessheat.com

the economical way to heat your home

ONE OF THE MOST ECONOMICAL WAYS OF HEATING

The topic of an economical way to heat a house is a frequently occurring one. Wood is undoubtedly one of the cheapest ways. Even if you buy your wood ready-cut and split, your fuel costs will be lower than if you use a heat pump, oil or gas.

If you have your own source of wood or someone with a source of wood that you can help out, you can get free wood for relatively little effort. Modern machinery makes cutting and chopping fast and simple. Your heating needs for the whole year to be met in just a few hours. It is common to get together with other wood-fired boiler owners and rent or buy machines together.

tried and tested

VÄRMEBARONEN'S SOLUTIONS

Värmebaronen has been manufacturing heating products since 1975. Our wood-fired systems have undergone many changes and improvements over the years. In other words, they are proven, durable and worry-free products. Manufacturing at our own factory in Sweden gives us an overview of the entire production process and guarantees the highest possible quality. A safe buy!



WOOD-FIRING

Burning wood! Mankind's original way of generating warmth when it was cold outside. Modern wood burners store the heat from the boiler in accumulator tanks and benefit from even heating throughout the day.



HOW DOES IT WORK?

Pile the wood in the boiler, ideally with smaller sticks at the bottom. Fill the entire boiler. Light with the LPG igniter supplied for around one minute. The boiler will now heat the accumulator tanks.



FILM ABOUT WOOD

A film about wood is available on our website www.varmebaronen.com

the convenience of modern wood-firing



FORGET ALL ABOUT TRADITIONAL WOOD-FIRING

Forget everything you've heard about traditional heating with wood. With a modern system from Värmebaronen, you will always have an even temperature in the house, plenty of hot water and a future-proof system which can be connected to other heat sources such as solar panels, pellets or heat pumps. You will also be heating your house the environmentally friendly way!

IDEAL FOR USE IN URBAN AREAS TOO

Using Värmebaronen's environmentally approved systems, you can also use a wood-fired boiler in urban areas. If you use a wood-fired boiler in the right way with dry wood, you needn't worry about irritating your neighbours. In the past, wood was burned with minimal oxygen in order to make it last longer. Now, firing continues throughout the day and the heat is stored in accumulator tanks. Pollutants and odours are eliminated.

CHOOSE AN ACCUMULATOR TANK CAREFULLY

There are many different types of accumulator tank available on the market. The simplest basically just consists of a water tank and associated connections. We believe our Aqualux Teknik range offers the best and most flexible choice. The tanks are packed full of ingenious solutions to make heating as simple and efficient as possible.

A GOOD CHOICE FOR THE FUTURE

Värmebaronen's wood-fired boilers are built to a high level of quality using thoroughly tested materials to ensure a long lifetime. The firebox is ceramic to enable it to tolerate the high temperatures required for environmentally friendly combustion. The most important factor however is that our wood-fired boilers are the easiest on the market to maintain.

carbon dioxide neutral

MAINTENANCE-FRIENDLY AND EFFICIENT BOILERS MEAN CARBON DIOXIDE-NEUTRAL HEATING

Wood is a biofuel which, when used in the right wood-fired boiler and fired in the right way, has minimal environmental impact. The carbon dioxide that is released during combustion is the same amount of carbon dioxide that the wood gives off when it dies and decomposes.

NATURALLY, ALL OUR WOOD-FIRED BOILERS ARE ENVIRONMENTALLY APPROVED

All Värmebaronen's products intended for biofuel have been tested by the Technical Research Institute of Sweden (SP). Because they are so easy to maintain, it is easy to maintain the excellent characteristics. This saves both wood and the environment.



Wood-firing gives **low-cost** home heating

A LOWER-COST WAY OF HEATING YOUR HOME

Wood is undoubtedly the cheapest way of heating your home. If you have your own source of wood or someone with a source of wood that you can help out, you can get free wood for little effort. Modern machinery enables your heating needs for the whole year to be met in just a few hours. It is common to get together with other wood-fired boiler owners and rent or buy machines together.

For ultimate convenience, buy ready-split wood. Wood is still the cheapest method of heating.

LOW MAINTENANCE COSTS

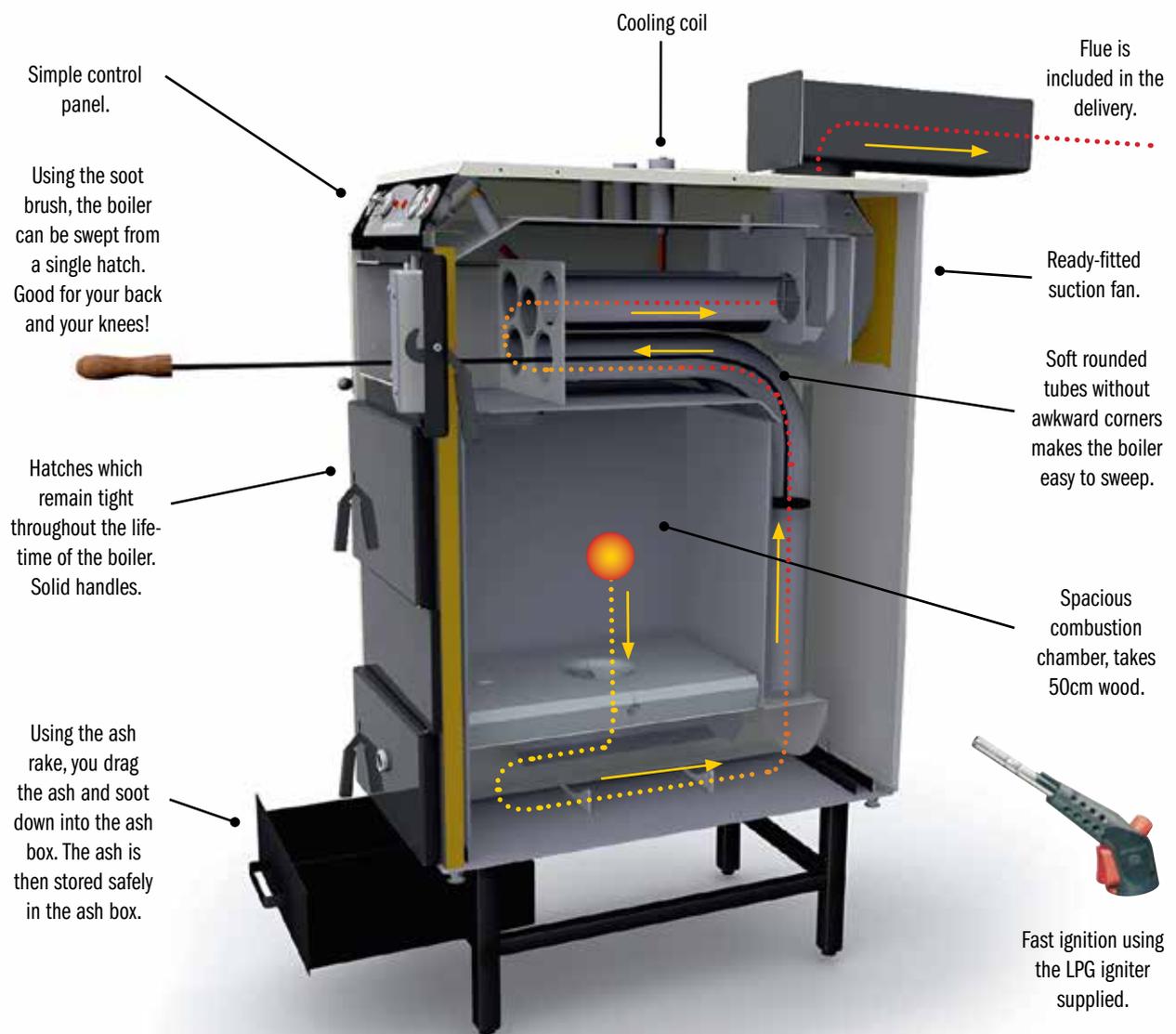
Insurance companies regularly carry out surveys of the durability, lifetime and reliability of heating boilers. Värmebaronen has come out well in all these surveys.

Careful material selection and many years of experience have resulted in robust products without any irritating minor faults. As in all wood-fired boilers, ceramic is a consumable item. In our boilers, the ceramic consists of a number of components and is cheap and easy to replace when necessary. A benefit that saves money.

THE SECURITY OF A SINGLE MANUFACTURER

Naturally, you can combine our wood-fired boilers with accumulator tanks from other manufacturers. However, we recommend our own accumulators. This will give you piece of mind, knowing that all the components in your wood-fired system were made by the same manufacturer. All components have been designed and tested to work optimally together.

This is how a **good wood-fired boiler** should be constructed



Made in Sweden





five minutes which save both wood and time

SWEEP, REFILL AND LIGHT IN FIVE MINUTES

As people today often have hectic schedules juggling work and family, the less time spent in the boiler room, the better.

Our philosophy is that you must be able to light the fire without getting dirty in no more than minutes per day.

In this time, you should be able to sweep out the soot, add new wood and light the fire. You can leave the boiler room feeling good, happy in the knowledge that you have not cut corners on maintenance and that the boiler is burning efficiently. Värmebaronen is the only company in the market to offer you this convenience and peace of mind. No other wood-fired boilers come close to being this maintenance-friendly.

ALWAYS MAINTAIN A HIGH LEVEL OF EFFICIENCY

When choosing a wood-fired boiler, you should always start by looking at how you sweep and remove the ashes from the old fire. If access is awkward, maintenance will be left undone and the heat will be lost up the chimney. Choose Värmebaronen instead. Your chimney-sweep will thank you too, as his job will be easier too.

THE STAND WILL SAVE YOUR BACK

When you choose a boiler, you choose a friend that you will have for many years to come. As you get older, you will find that your working position is becoming more and more important. The stand will ensure a comfortable working position and a good working height; all maintenance is carried out from the front. Convenient!

it really **is this** simple:

EASY ACCESS

On Värmebaronen's wood-fired boilers, all ducts are swept from **just one hatch** on the front. All hatches on the boiler have a quick-release handle. No tools are required.

As the flue gas ducts are round, there are no awkward corners to reach into when sweeping. You will be in a comfortable working position and have complete control over what you are doing.

Sweeping the flue gas ducts takes about half a minute. If you have turbulators in the flue gas ducts, you can add around a minute before you are done.

QUICK, SAFE AND CLEAN

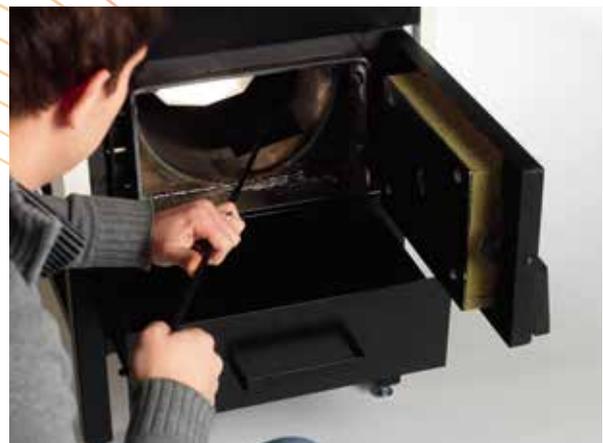
To avoid having to kneel while adding wood and raking ashes, the boiler can be placed on a stand.

The stand includes a practical ash box which stores the ashes safely. The ashes can be raked straight into the box, preventing dirt from getting onto you and the floor.

Raking out the ashes takes no more than a minute.

LIGHTING THE FIRE REALLY IS THIS EASY

Lighting the boiler is done quickly. Place a small bundle of sticks in the bottom and then fill the entire firebox with wood. Using the LPG igniter supplied, you then light the fire directly in about a minute. The fire establishes itself quickly, giving environmentally friendly combustion in no time at all. You also avoid having to wait for the bed of embers before topping up the wood.



a good-feeling knowing you have a well-maintained wood-fired boiler

wood-fired boilers

natural ventilation



Vedolux 50 UB

Vedolux 40 UB

WITH NATURAL VENTILATION OF COURSE

If you have a traditional chimney with sufficient height and a suitable diameter pipe, the choice is simple – make use of your chimney and choose a natural ventilation boiler! If you are unsure, contact our heating advisors who will help you with your questions.

All boilers are prepared for Viking Bio pellet burners.

VEDOLUX 40 & VEDOLUX 50

Natural ventilation boilers with a firebox depth of no less than 22 inches, with a good margin built-in for 20 inch wood. Ceramic firebox with reverse combustion and solid and reliable hatches which last the lifetime of the boiler. The stand is an accessory for the Vedolux 40, and included with the Vedolux 50. Easy to fit with a pellet burner.

wood-fired boilers suction fan



Vedolux 30

Vedolux 37

THE LEAST DEMANDING CHIMNEY REQUIREMENTS

Thanks to the integrated fans, the Vedolux 30 and Vedolux 37 have some of the least demanding chimney requirements on the market. If you have a chimney with low suction, these boilers are therefore an excellent choice. The fan is of the induced draft type, which eliminates the risk of drawing smoke into the house.

SUCTION FAN

The fan is started with a single press of a button when you start firing. When the fire goes out, the fan will stop automatically. This is important to ensure that the boiler does not cool down, as this would reduce its efficiency.

20" WOOD

Both boilers are designed for 20 inch wood. They do not have an integrated hot water heater, so it is important there is a water heater in one of the accumulator tanks to which they are connected.

A stand is available as an accessory and has a built-in ash box for the safe storage of the ash.

POWER OUTPUT AND HATCHES – DIFFERENCES

In addition to the difference in power output, the boilers also differ in terms of the type of hatch used. The Vedolux 37 uses the same type of hatch as the natural ventilation boilers, with a removable plate for the pellet burner. The Vedolux 30 is equipped with replaceable hatches instead.



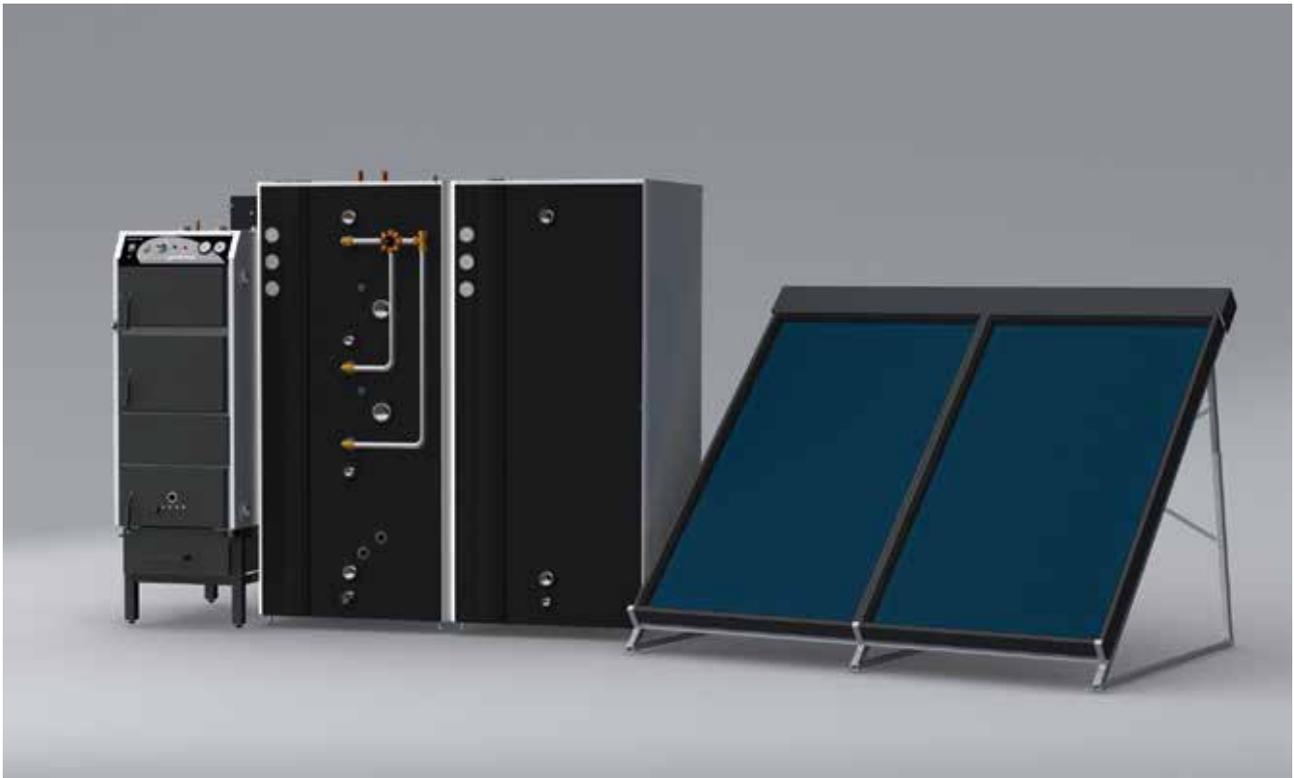
Ordinary water stores the heat

THE HEART OF YOUR HEATING SYSTEM

The cosy heat from your wood-fired boiler is stored in one or more accumulator tanks. These tanks can contain several thousand litres of water, depending on the heating needs of the house. The accumulator tanks can also store heat from other heat sources, such as solar panels, pellets or heat pumps.

ENVIRONMENTALLY FRIENDLY AND CONVENIENT

A modern wood-fired boiler is designed to operate at full power at all times. This ensures efficient combustion and minimal environmental impact. A control system ensures that the accumulator tanks are charged optimally. This greatly reduces firing frequency.



Using our Aqualux Teknik tanks, you can combine wood with solar heating.

Aqualux accumulator tanks

WELL-INSULATED AND COMPACT

Accumulator tanks must be well-insulated, take up little space and, above all, be as flexible as possible. This enables you to connect a number of different heat sources at the same time, e.g. solar panels, pallets and/or heat pumps. Solar panels are a good choice for anyone with a wood-fired boiler, as they can produce heat and hot water during the summer months. Convenient! Värmebaronen also offers more basic accumulator tanks; see our catalogue for our range of accumulator tanks.

THE IDEAL TANK FOR WOOD/SOLAR POWER

Aqualux Teknik can handle a number of heat sources simultaneously whilst maintaining stratification in the tank. We believe the Aqualux Teknik is the only tank on the market that can do this. This makes it unique and means you save even more money on your heating bills. The Aqualux Teknik features an integrated solar coil to transfer heat from the solar panels. A large, copper-lined hot water heater ensures there is plenty of hot water on tap.



Aqualux Teknik
Accumulator tanks with
solar coil and
hot water heater
160 litres



Acktank CU/UB, basic tanks with fewer
connection options.

combine heat sources



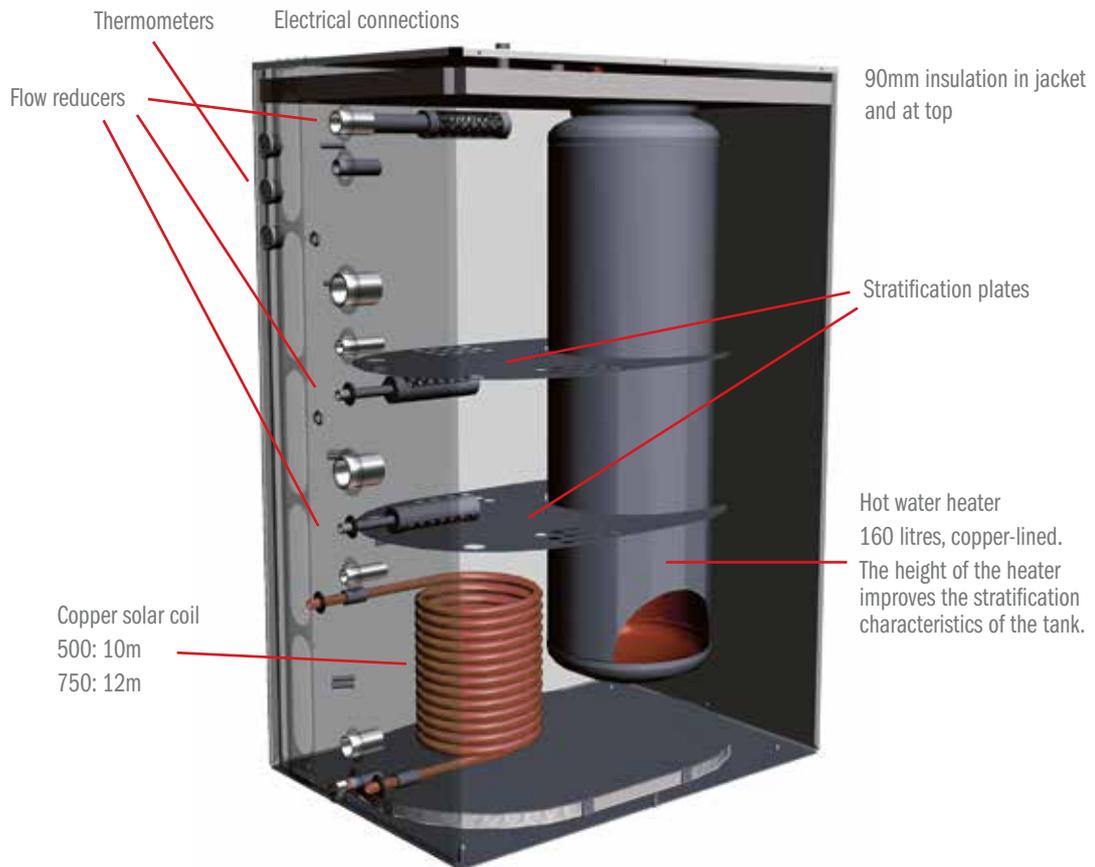
A GOOD TANK IS FUTURE-PROOF

Energy prices often fluctuate depending on supply and on the decisions of politicians. It is therefore important to look forward and make sure you are prepared for the future.

With the right accumulator tank, you can connect a variety of heat sources and use them according to what is most appropriate at any one time. Fire with wood when you have the time and run the heat pump when you feel like it. If the price of electricity rises, install a pellet burner in the wood-fired boiler's custom-made outlet. Pellets may be the cheaper option. In the spring, take a 6-month break from using wood and let the solar panels produce the heat and hot water.



The Aqualux Teknik range.
500, 750 and 1000 litres.



It's **the tank** that counts.

AQUALUX 500 | 750 | 1000 TEKNIK

The obvious choice when you want the best and to be prepared for anything. You can connect any heat source and combine heat sources as you wish. Unique functions ensure that the vital stratification in the tank water remains. This is essential for the efficient operation of an accumulator tank.

ACKTANK CU/UB

Basic tanks without solar coils. When one heat source at a time is used, these tanks have excellent stratification properties. Read more in the separate catalogue.



Thermometers for the top, middle and bottom of the tank are placed together, so you don't have to bend down in order to read them.

All sensor connections are easily accessible. The servicing cover can be removed with a single screw.

The tank is also prepared for the concealed installation of an electric immersion heater.

Wood and K2 solar panels




K2
SOLFÄNGARSYSTEM

TAKE SIX MONTHS OF THE YEAR OFF WITH SOLAR PANELS!

Forget about your heating from April to October. As a wood-fired boiler owner, it's nice not to have to plan when to fire up the boiler for hot water for showers, baths and dishwashing.

MANY ADVANTAGES

- Free energy from the sun means very low heating costs
- Minimal effort, boiler firing season halved
- No environmental impact
- Simple maintenance gives a high degree of comfort

FREE HOT WATER FOR SIX MONTHS OF THE YEAR

With solar panels of the correct dimensions, you will only need solar panels to produce hot water during the summer months. This means you don't have to fire up the boiler in order to get hot water. Even in the north of Sweden, solar panels produce sufficient heat. It is important to arrange for a professional to determine the number and size of solar panels on the accumulators.

ORDER CATALOGUE K2 SOLAR PANELS

There is a separate catalogue available for Värmebaronen's K2 solar panels, which can be ordered or downloaded from www.varmebaronen.com

On our website, you will also find some interesting reading about solar heating, the perfect supplement to wood-firing.



With solar panels, both you and your heating system can have six months' rest. Of course, your time off will vary according to the weather and the type of house.

ZZZZ...

July	August	September	October	November	December
<p>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>	<p>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30</p>	<p>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</p> <p>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</p>
Sun	Sun	Sun	Boiler	Boiler	Boiler



Fuel pellets

WHAT ARE FUEL PELLETS?

Pellets are a biofuel that is manufactured from some form of sawdust. The actual pelleting process is a method of preserving and concentrating the material. The timber is dried and pressed together to form a rod, which is then divided up into short lengths.

HOW DOES IT WORK?

The pellets are kept in a store which can be of varying size. From there, the fuel is automatically fed by a screw to a pellet burner. The pellet burner is thermostatically controlled and starts and stops automatically. This method gives convenient heating with little maintenance.

Wood or Pellets

MODERN BOILER WITH PROVEN TECHNOLOGY

Varmebaronen gives you the freedom to choose your fuel according to what you find most convenient and economical. The Vedolux 30/37 and Vedolux 40/50 boilers can work just as well using pellets as they do with wood. The Viking Bio Pellet Burner head can be installed into the door of each of these wood boiler models in a few minutes, and then you have a pellet boiler.

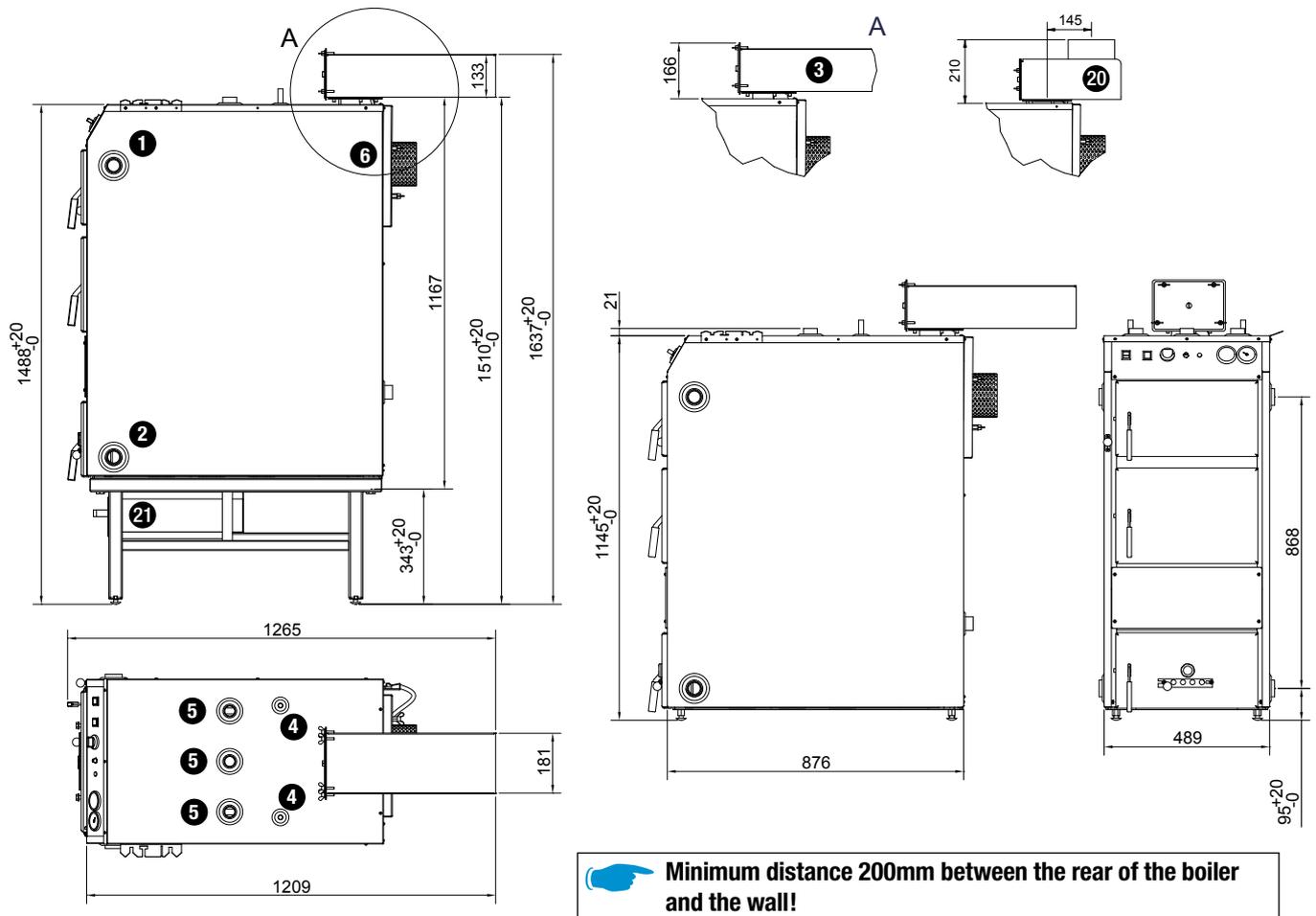
COMPLETE FREEDOM

You can for example use wood during the spring and autumn and pellets during the winter. You can choose what suits you best. When you don't want to use wood, pellets are still very economical.



Viking Bio pellet burner in Vedolux boiler.
The burner is fitted in about five minutes.

Vedolux 30



Vedolux 30	Art No. 2206	
Weight	empty	290 kg
	water-filled	390 kg
Volume		100 litres
Design pressure		1.5 bar
Max. operating temperature		110 °C
Power output	wood: nominal 30, max. 33 kW	
	pellet	40 kW
Hearth	volume	90 litres
	depth	550 mm
Log length		500 mm
Log hatch	w x h	300 x 246 mm
Chimney requirements	height	≥3,5 m
	flue	Ø ≥100 mm
	suction	-10 / -20 Pa
Voltage		230V~, 50Hz
Fan		50 W
Enclosure class		P 21

1. Hot water outlet, riser, G32 int.
2. Hot water outlet, return, G32 int.
3. Flue, standard.
4. Connections for cooling coils, Ø15mm CU.
5. Lift, Expansion, Safety connection, G25 int.
6. Suction fan
20. Flue Up, accessory. Art No. 2942
21. Stand, accessory.

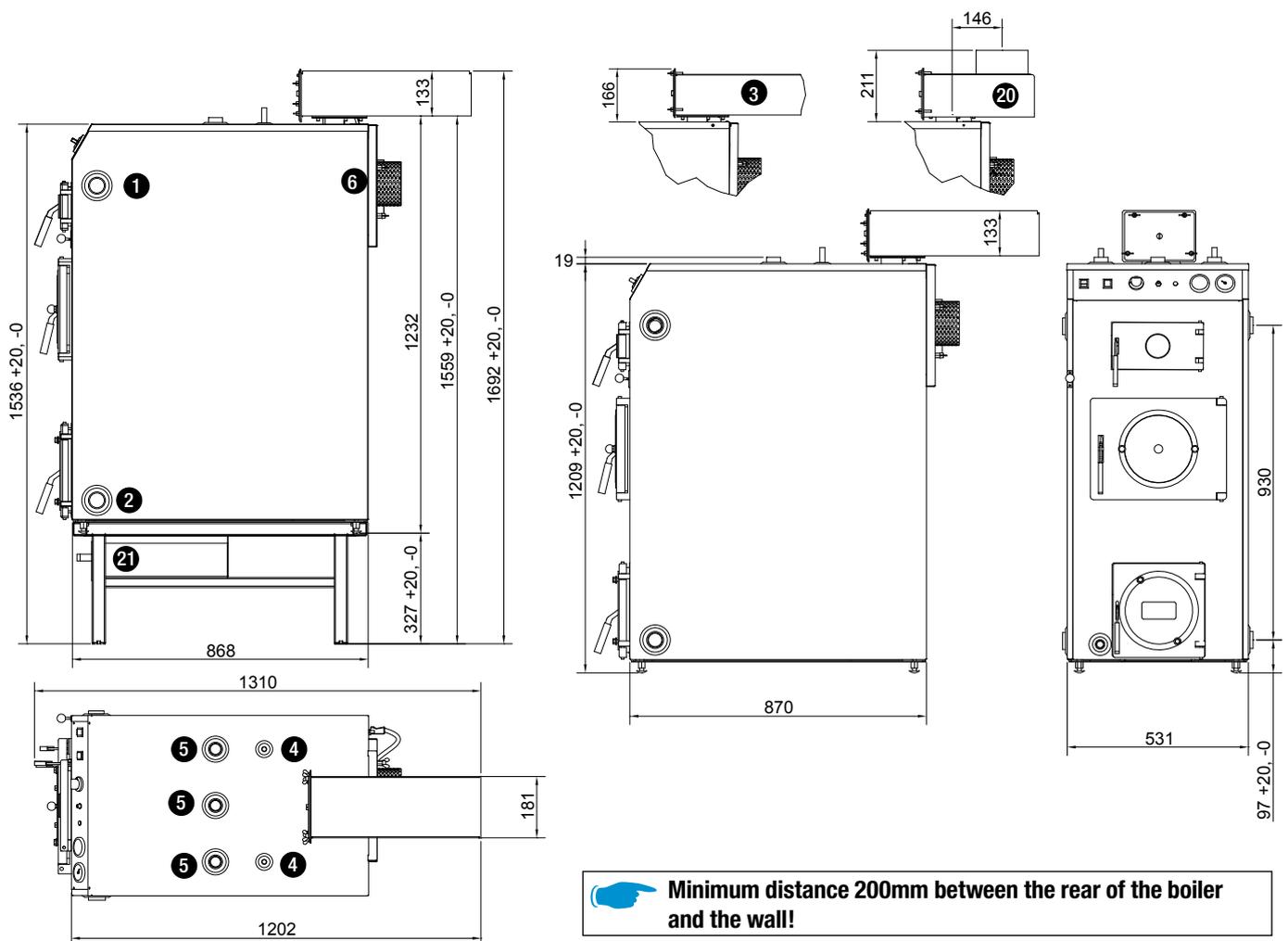
Complete delivery

- Angled flue
- Sweeping tool with bracket
- LPG igniter (bottle excluded)
- Flue gas thermometer
- Drainage valve
- Electrical wiring

Accessories

- Flue Back/Up (see sketch)
- Stand Art No. 2962
- Pellet hatch kit Art No. 2970

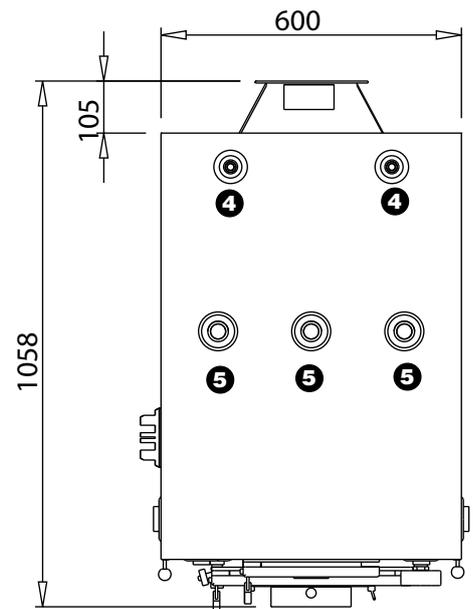
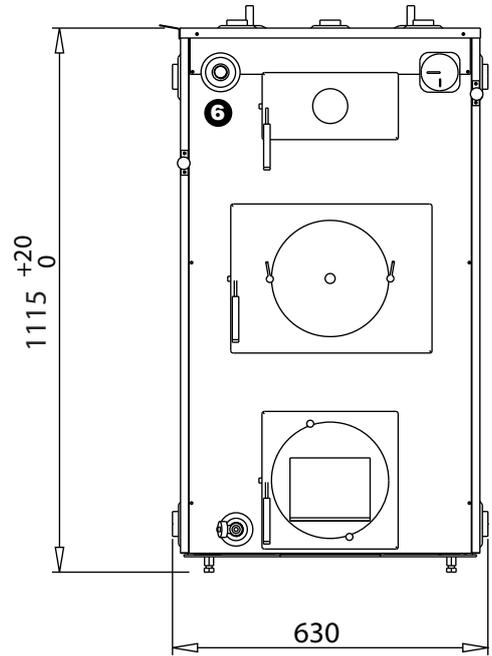
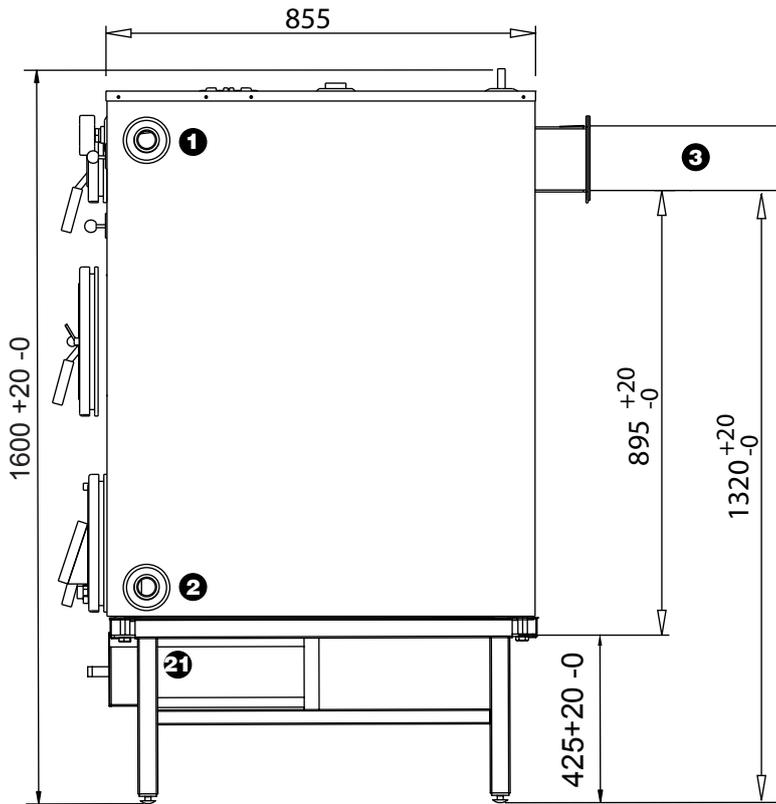
Vedolux 37



Vedolux 37	Art No. 2202		
Weight	empty	320	kg
	water-filled	440	kg
Volume		120	litres
Design pressure		1.5	bar
Max. operating temperature		110	°C
Power output	wood: nominal 37, max.	42	kW
	pellet	42	kW
Hearth	volume	105	litres
	depth	550	mm
Log length		500	mm
Log hatch	w x h	290 x 230	mm
Chimney requirements	height	≥3,5	m
	flue	Ø ≥100	mm
recommended chimney area:		Ø145	mm
	suction	-10	Pa
Voltage		230V~	50Hz
Fan		50	W
Enclosure class		P 21	

1.	Hot water outlet, riser, G32 int.
2.	Hot water outlet, return, G32 int.
3.	Flue, standard.
4.	Connections for cooling coils, Ø15mm CU.
5.	Lift, Expansion, Safety connection, G25 int.
6.	Suction fan
20.	Flue Up, accessory. Art No. 2942
21.	Stand, accessory.
Complete delivery	
• Angled flue	
• Sweeping tool with bracket	
• LPG igniter (bottle excluded)	
• Flue gas thermometer	
• Drainage valve	
• Electrical wiring	
Accessories	
• Flue Back/Up (see sketch)	
• Stand RSK Art No. 2960	

Vedolux 40 UB



Vadelox 40 UB	Art No. 2102	
Weight	empty	350 kg
	water-filled	483 kg
Volume		133 litres
Design pressure		1.5 bar
Max. operating temperature		100 °C
Power output	wood: nominal 35, max. 40 kW	
	pellet	25-50 kW
Hearth	volume	120 litres
	depth	575 mm
Log length		500 mm
Log hatch	w x h	290 x 230 mm
Chimney requirements	height	≥7 m
	flue	Ø ≥180 mm
	suction	-20 Pa

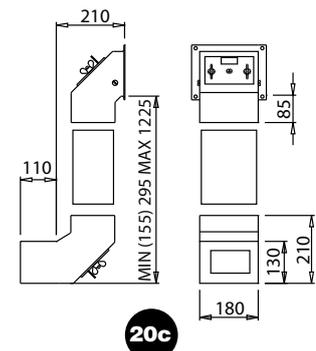
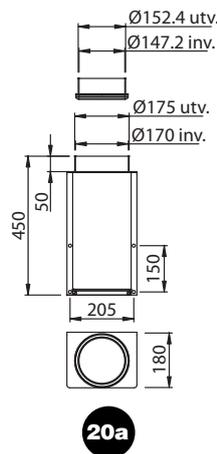
1. Hot water outlet, riser, G32 int.
2. Hot water outlet, return, G32 int.
3. Flue, standard.
4. Connections for cooling coils, Ø15mm CU.
5. Lift, Expansion, Safety connection, G25 int.
6. Sleeve, G20 int.
- 20a. Flue Up, accessory. Art No. 2938
- 20c. Flue Down/Up, accessory. Art No. 2909 + 2907
21. Stand, accessory.

Complete delivery

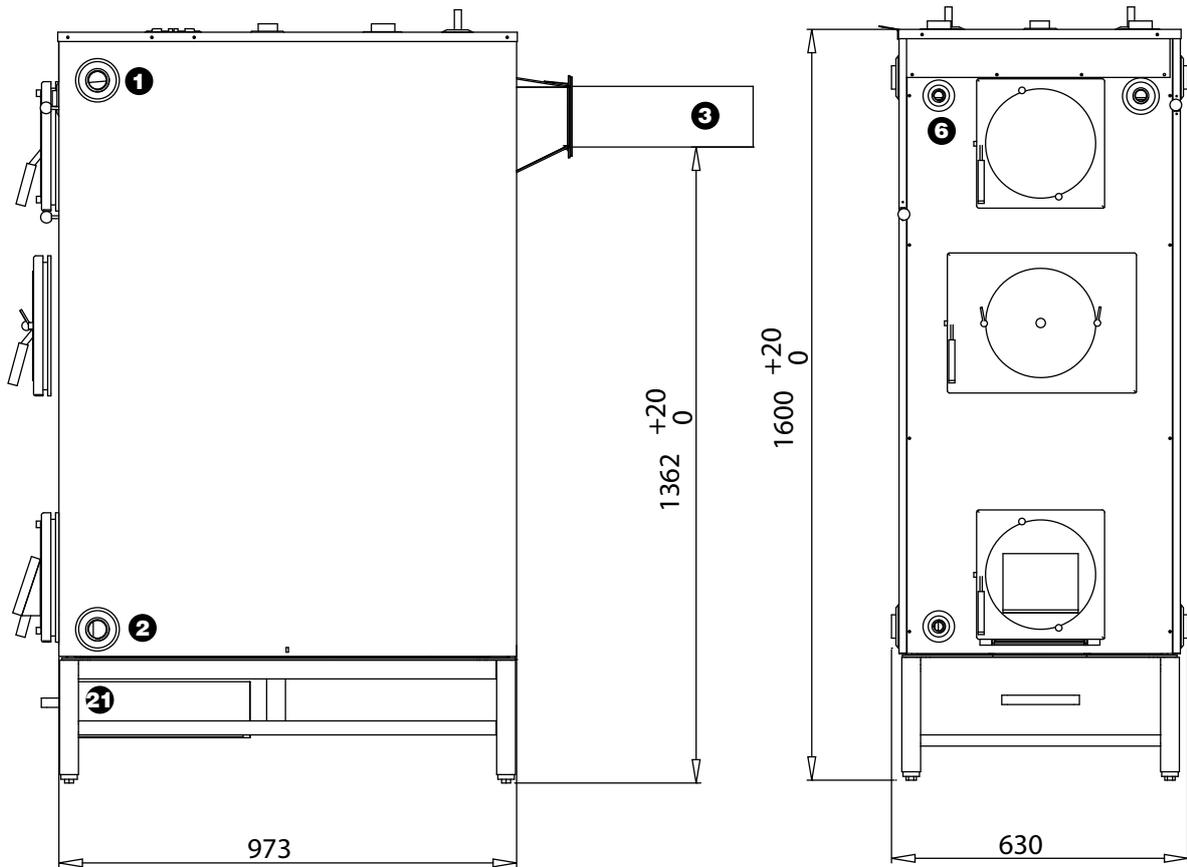
- Flue Back
- Sweeping tool with bracket
- LPG igniter (bottle excluded)
- Flue gas thermometer
- Drainage valve
- Pressure and temperature gauges

Accessories

- Flue, several designs
- Stand Art No. 2903



Vedolux 50 UB



Vedolux 50 UB	Art No. 2101	
Weight	empty	400 kg
	water-filled	655 kg
Volume		255 litres
Design pressure		1.5 bar
Max. operating temperature		100 °C
Power output	wood: nominal	44, max. 50 kW
	pellet	40-60 kW
Hearth	volume	165 litres
	depth	575 mm
Log length		500 mm
Log hatch	w x h	290 x 230 mm
Chimney requirements	height	≥8 m
	flue	Ø ≥180 mm
	suction	-24 Pa

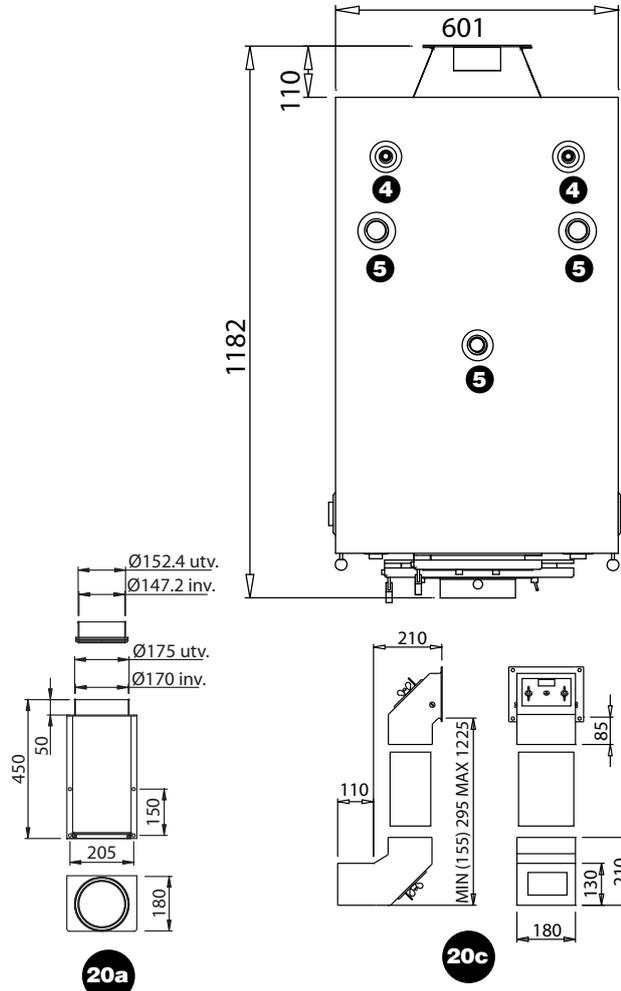
1. Hot water outlet, riser, G32 int.
2. Hot water outlet, return, G32 int.
3. Flue, standard.
4. Connections for cooling coils, Ø15mm CU.
5. Lift, Expansion, Safety connection, G25/G32 int.
6. Sleeve, G20 int.
- 20a. Flue Up, accessory. Art No. 2938
- 20c. Flue Down/Up, accessory. Art No. 2909 + 2907
21. Stand, **included**.

Complete delivery

- Stand
- Flue Back
- Sweeping tool with bracket
- LPG igniter (bottle excluded)
- Flue gas thermometer
- Drainage valve
- Pressure and temperature gauges

Accessories

- Flue, several designs



No liability can be accepted for any printing or typographical errors



Office and modern production facility at Österslöv, 10km north of Kristianstad in Skåne

WE MANUFACTURE ALL OUR PRODUCTS AT OUR FACTORY IN SWEDEN.

Here at Värmebaronen, we believe it is important to have complete control over the entire production process from design to delivery.



Tel.: +46 (0)44 22 63 20
Fax: +46 (0)44 22 63 58
www.varmebaronen.com
info@varmebaronen.se

ORDER MORE PRINTED MATTER

We have many more catalogues, folders and product sheets. Call or visit www.smokelessheat.com and order.

- Economical and environmentally friendly pellet-firing
- Solar heating, K2 solar panel system
- Accumulator Tanks
- Approximate price list
- Servicing catalogue, spare parts
- Printed matter in English
- DVD films about wood, pellets and installation

RETAILERS:



North America Värmebaronen Distribution
SmokeLess Heat LLC
2020 Cornwall Raod
Lebanon PA 17042
Fax 717-273-2248
Toll Free 855-389-0083
www.smokelessheat.com
info@smokelessheat.com

