


Wood firing
at its simplest

Distributed and installed by



Sweden's biggest range

www.biofutures.co.uk



Modern wood firing is convenient. Fire just once a day.

FORGET EVERYTHING ABOUT OLD-FASHIONED WOOD FIRING

With a modern system from Värmebaronen, you have an even temperature in the house, plenty of hot water and the option to connect other heat sources such as solar panels, pellets or a heat pump in the future. Your heating system is also green.

FIRING IS ALSO POSSIBLE IN DENSELY BUILT-UP AREAS

With Värmebaronen's environmentally approved systems, you can also fire in densely built-up areas. If you fire in the right way with dry wood, you need not worry about irritating your neighbours. The previous approach was to let the wood smoulder to make it last, but now you fire at full blast once a day and store the heat in accumulators. Pollution and odour is a thing of the past.

CHOOSE YOUR ACCUMULATOR TANK WITH CARE

There are many different types of accumulator tank on the market. The simplest are largely just oil drums with connections. Choose modern accumulators instead. Our Aqualux Teknik series is the best and most flexible choice. The tanks are full of smart solutions to make heating as simple and efficient as possible.

A GOOD CHOICE FOR THE FUTURE

Värmebaronen's wood-fired boilers are quality constructions with carefully tested materials designed for a long service life. The combustion chamber is ceramic for the high temperatures required for green combustion. They are also the most user-friendly wood-fired boilers on the market.



carbon neutral

USER-FRIENDLY, EFFICIENT BOILERS MEAN CARBON NEUTRAL HEATING

Wood is a biofuel that produces minimum environmental impact if fired correctly in the right wood-fired boiler. The carbon dioxide that is released during combustion is equivalent to the amount of carbon dioxide a tree emits when it dies in the forest.

ENVIRONMENTALLY APPROVED WOOD-FIRED BOILERS, NATURALLY

All of Värmebaronen's products designed for biofuel are tested by the Technical Research Institute of Sweden (SP).



Wood firing produces cheap heating

THE CHEAPEST WAY TO HEAT YOUR HOUSE

There is no doubt that firing with wood is by far the cheapest way of heating a house. If you have your own forest or know someone you can help in the forest, you can get wood free with little effort. Modern machines ensure that you can get enough wood to heat for a year in a few hours. It is common to club together with other wood firers and hire or buy the machines jointly.

If you want the ultimate in convenience, you can buy your wood ready-chopped.

Wood still remains the cheapest heating fuel.

LOW MAINTENANCE COSTS

Insurance companies regularly conduct surveys on the durability, service life and reliability of heating boilers. Värmebaronen has come out with good results in all these surveys. Careful choice of materials and long experience produce robust products without irritating minor faults. As in all wood-fired boilers, the ceramic parts are consumables. There are several different ceramic parts in our boilers and they are cheap and easy to replace as required.

THE SECURITY OF HAVING JUST ONE MANUFACTURER

You can, of course, combine our wood-fired boilers with accumulator tanks from other manufacturers. However, we recommend our own accumulators. Then you know that all the parts in your wood-fired system have been tested together and work optimally.



Five minutes, once a day

SWEEP, FILL AND IGNITE IN FIVE MINUTES

With our wood-fired boilers, you can attend to the heating, without getting covered in dirt, in no more than five minutes a day.

In that time, you can sweep, add new wood and ignite the boiler. You can leave your boiler room with a good conscience, content in the knowledge that you have not neglected your maintenance duties and the boiler is burning optimally. Värmebaronen is the only manufacturer on the market able to offer this. No other wood-fired boilers are anything like as convenient to operate.

ALWAYS MAINTAIN HIGH EFFICIENCY

When you choose a wood-fired boiler, you should always start by seeing how to sweep it and remove the ash. If it is narrow and difficult to access, the maintenance will not be done and you will waste heat. Choose Värmebaronen instead. Your chimney-sweep will also thank you because his job will be easier.

THE LEG FRAME REDUCES BACK STRAIN

When you choose a boiler, you are choosing a friend you will have for many years. As you get older, you will discover that your working position becomes more and more important. Thanks to our leg frame, you will have a good working position and working height.

Fast, easy maintenance

EASILY ACCESSIBLE

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

As the flues are round, it is not possible to miss any inaccessible corners when sweeping. You stand in a comfortable working position and have full control over what you do. Sweeping flues takes roughly 30 seconds. If you have turbulators in the flues, you should add a minute or two to do the job.



FAST, SAFE AND CLEAN

To avoid having to kneel down to insert wood and rake ash, you can place the boilers on a leg frame. The leg frame contains a practical ash drawer in which you can store the ash safely.

The ash is raked out the drawer straight downwards and you avoid getting yourself and the floor dirty. Raking out ash takes no more than a minute.



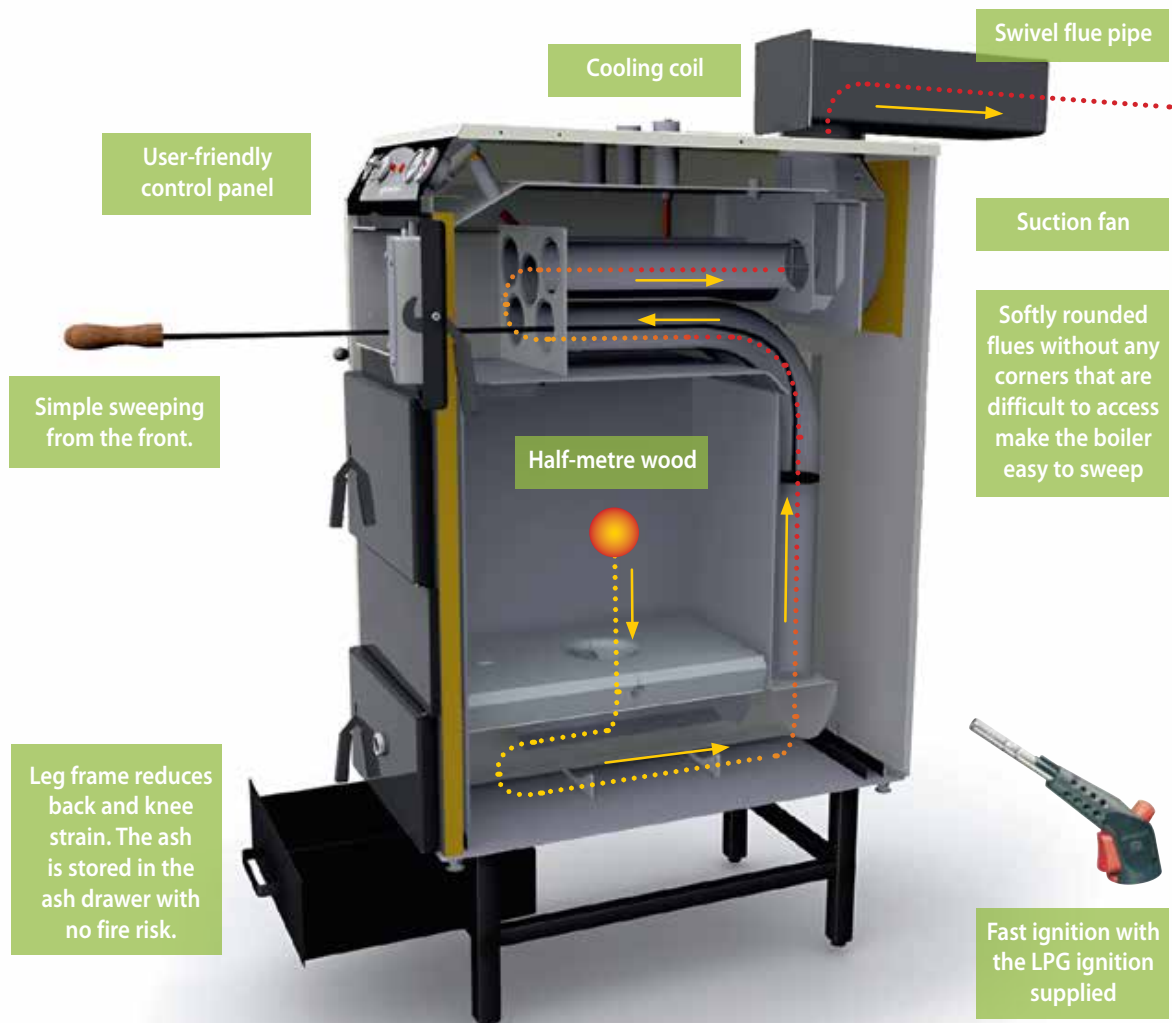
EASY IGNITION

Igniting the boiler takes no time. Place a small bundle of sticks on the bottom and then fill the combustion chamber with wood.

Using the LPG ignition supplied, you then light it in around a minute. You quickly establish good, green combustion and it saves a lot of time. You also avoid waiting for the embers before you can add the wood.



This is how a good wood-fired boiler is designed:



Made in Sweden, of course

Wood-fired boilers with natural ventilation

NATURAL VENTILATION, NATURALLY

If you have a decent chimney with good height and a suitable pipe diameter, your choice is easy – use your fine chimney and choose a natural ventilation boiler. If you are in any doubt, contact our heating consultants and they can help answer your questions. These boilers are prepared for Viking Bio pellet burners.



Vedolux 40 UB*

VEDOLUX 40 UB

A natural ventilation boiler with a combustion chamber depth of as much as 57 centimetres, designed with ample space for half-metre wood. A ceramic combustion chamber with inverted combustion and solid hatches that last for the boiler's service life. Easy to fit a pellet burner. A leg frame is an accessory.

VEDOLUX CU WITH WATER HEATER

The best choice if you have accumulator tanks without a water heater. Vedolux CU has a solid copper-lined heater, a 57-centimetre depth combustion chamber and otherwise the same design as Vedolux 40 UB. 2 sockets for immersion heaters. A leg frame is not available as an accessory. Easy to fit a pellet burner.



Vedolux CU

Wood-fired boilers with a suction fan



Vedolux 55



Vedolux 30*

Vedolux 37*

LOWEST CHIMNEY REQUIREMENTS

Thanks to the integrated fans, Vedolux 30/37 and Vedolux 55 have some of the very lowest chimney requirements on the market. If you have a chimney with a low draught, these boilers are therefore a very good choice. The fans are suction-type, which eliminates the risk of smoke entering the boiler room.

SUCTION FAN

The fan is started by pressing a button when you start to fire. When the fire has gone out, the fan switches off automatically. This is important so that the boiler does not cool down, as that would reduce its efficiency.

HALF-METRE WOOD

All boilers are designed for half-metre wood. They do not have integrated water heaters, so it is important for there to be one in one of the accumulators to which they are connected.

The leg frame (included with Vedolux 55 and available as an accessory for other models) has an integrated ash drawer for safe ash storage.

POWER AND HATCHES

Apart from the difference in power, the boilers differ in terms of the hatches. Vedolux 37/55 has the same type of hatch as the natural ventilation boilers, with a removable washer for pellet burners. Vedolux 30 has replaceable hatches.

*Leg frame accessory



” SWEDISH
DESIGN SUCCESS
WS-Forum magazine



VEDOLUX Lambda

Its timeless design has gained the award-winning Vedolux range a great deal of attention at plumbing and heating fairs worldwide. But the Vedolux is not just a delight for the eye. Tests at SP, the Technical Research Institute of Sweden, and the German TÜV show that both the efficiency and environmental values of Vedolux boilers are in a class of their own.

Vedolux Lambda took the prestigious "Design Plus" prize at the ISH fair in Frankfurt in 2013 for innovative design, high efficiency, unique environmental values and quality in a class of its own.

The design and construction of the boilers produce maximum efficiency and ensure that the wood lasts a long time and the intervals between firings are long. Vedolux is a genuine quality product in all respects: steel quality, control, service and support.

ENVIRONMENT:

Class 5

Best class according to standard 303-5:2012.

EFFICIENCY:

93%

QUALITY DOWN TO THE SMALLEST DETAIL



Handle



Grate




Display



Environmentally
classified

Vedolux Lambda meets Europe's strictest environmental requirements according to standard 303-5:2012. Tested by SP & TÜV. Listed in the BAFA list.

Order the separate catalogue.



Ordinary water stores the heat

THE HEART OF YOUR HEATING SYSTEM

The lovely heat from your wood-fired boiler is stored in one or more accumulator tanks. These tanks may contain several thousand litres of water, depending on your house's heating requirements. The accumulators can also store heat from other heat sources such as solar panels, pellets or a heat pump.

GREEN AND CONVENIENT

A modern wood-fired boiler is always fired at full power. This ensures you have good combustion and minimum environmental impact. A control ensures that the accumulators are charged optimally. This means longer intervals between firings.

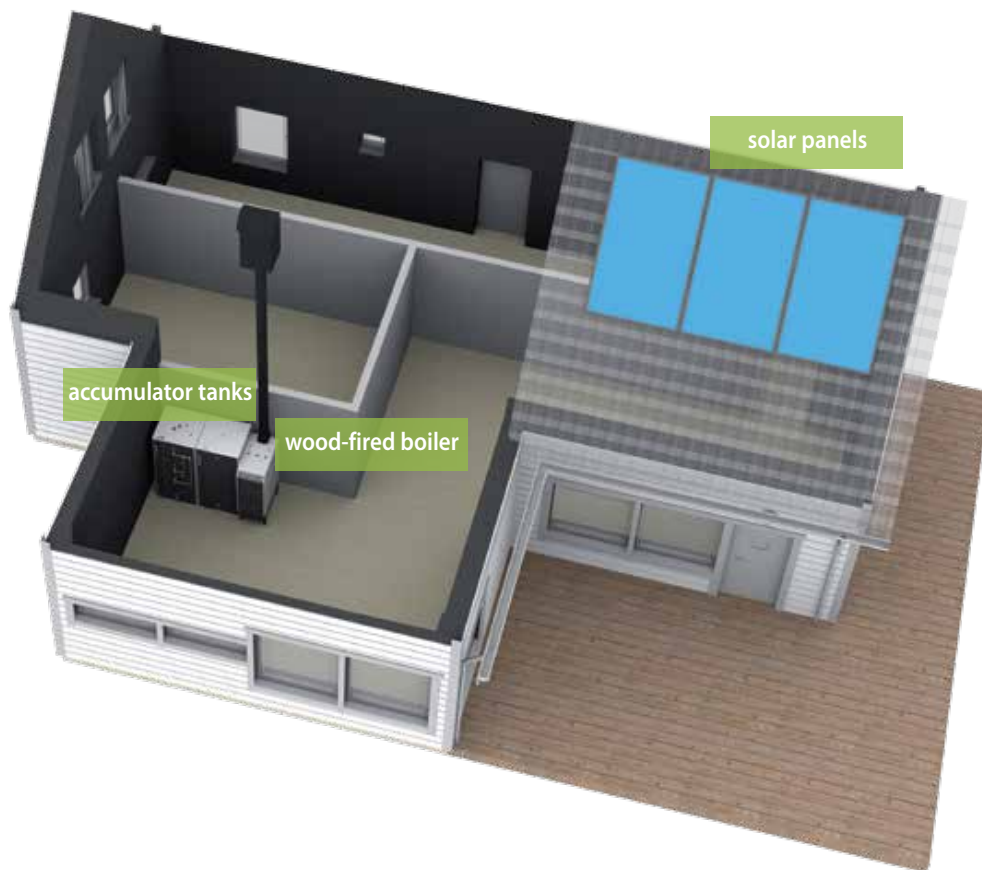


THIS IS HOW IT WORKS

The boiler's space for wood is filled and the wood is ignited with the LPG ignition supplied. Below the wood space is a ceramic combustion chamber in which combustion takes place by means of inverted combustion (the flame burns downwards). The hot flue gases are conducted to the chimney via the boiler's flues, which, in turn, transfer the heat to the boiler water. The hot boiler water is then pumped out to the accumulators by an accumulator control. The stored heat in the tanks then meets the house's heating requirements for roughly 24 hours. One of the tanks also contains a water heater for showers and baths. With the right accumulator tank (combination tank), you can connect different heat sources and use them as appropriate. Fire with wood in the winter. If you have solar panels, they help the moment the sun produces some heat. In the spring you can stop using wood for six months and let the solar panels handle the heating and hot water.



Aqualux Teknik series.
500, 750 and 1,000 litres.
The shunt package is an accessory.



It's the tank that matters

WELL-INSULATED AND COMPACT

An accumulator must be well-insulated, take up little space and above all be as flexible as possible. It allows you to connect different heat sources at the same time such as solar panels, pellets and/or a heat pump. Solar panels are a good choice for all wood firers as they can produce heat and hot water during the summer half of the year. Convenient. Värmebaronen also offers simpler accumulators. See our accumulator tank catalogue.

THE OPTIMUM TANK FOR WOOD/SOLAR

Aqualux Teknik can handle several heat sources at once, while retaining the stratification in the tank. As far as we know, Aqualux Teknik are the only tanks on the market that can do this. This means that you save even more money on your heating. Aqualux Teknik has a built-in solar coil for thermal transfer from the solar panels. A large copper-lined water heater ensures that there is enough hot water.



Aqualux Teknik
Accumulators with solar coil and water heater
160 litres



Acktank CU/UB
Simpler tanks with fewer connection options.

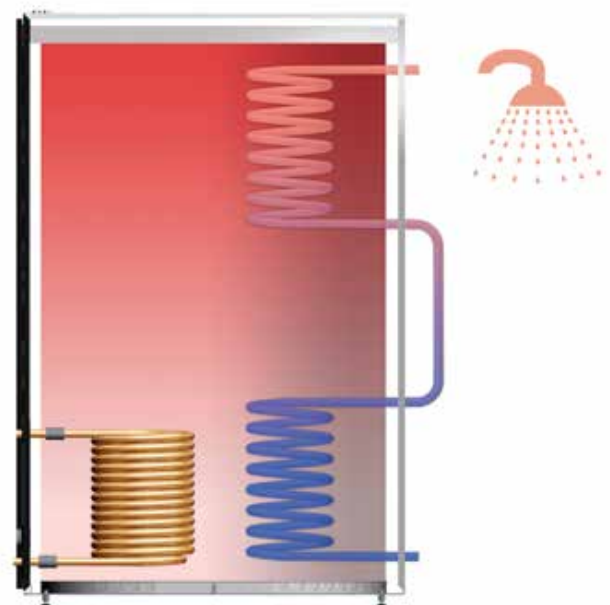


Solar panels and wood firing are the perfect combination. With Aqualux Teknik accumulator tanks, you get optimum output from both energy types.



Diffusers and stratification plates

Aqualux Teknik has 15-20% higher buffer capacity than a good coil tank and produces hot water even when the tank is almost discharged. If you have a solar panel, the tank can cope with several cloudy days. If you fire with wood, this means you have to fire less frequently. The tank is also not sensitive to lime in the water.



Traditional tank with hot water coil

A coil tank has a poor ability to heat water, which means that the hot water temperature soon falls. The tank requires heat to be supplied more frequently, wood firers have to fire more frequently and if you have solar panels, it must not be cloudy for several days in a row. The coil is sensitive to water containing lime.

Wood firing and K2 Plus solar panels



TAKE IT EASY FOR SIX MONTHS WITH SOLAR PANELS

You don't have to think about heating from April to October. For wood firers, it is nice not to have to plan when you need to fire the boiler for hot water for showers, baths and washing up.

MANY ADVANTAGES

- Free energy from the sun means very low heating costs
- Minimum workload, firing season halved
- No impact on the environment
- Simple maintenance means a high level of convenience

FREE HOT WATER FOR HALF THE YEAR

With correctly dimensioned solar panels, you need nothing more than solar panels to produce hot water during the summer half of the year. This means that you don't need to fire the boiler to get hot water. Even in Norrland, solar panels produce enough heat. It is important to have a professional dimension the number of solar panels and the size of the accumulators. Värmebaronen's heating consultants can help you.

ORDER THE K2 PLUS SOLAR PANELS CATALOGUE

Värmebaronen's solar panels have a separate catalogue that can be ordered or downloaded from www.varmebaronen.se

The website also contains more interesting reading about solar heating, the perfect complement to wood firing.



Solar panels allow both you and your heating system to rest for half the year. Of course, the period of rest may vary with the weather and the type of house.

ZZZZ...

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		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

Sun

August

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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				

Sun

September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		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			

Sun

October

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				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

Boiler

November

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		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			

Boiler

December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				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

Boiler

Wood accessories

ACK VA VARM

Hot service water unit

A complete unit for the production of hot water. Connected to an accumulator tank or a boiler.
RSK 652 54 91, Art. no. 2952



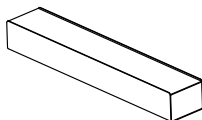
- **Leg frame Vedolux 30**
RSK 622 19 56, Art. no. 2962
 - **Leg frame Vedolux 37**
RSK 622 19 55, Art. no. 2960
 - **Leg frame Vedolux 40 UB**
RSK 622 19 15, Art. no. 2903
- All include an ash drawer



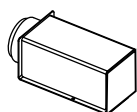
Accumulator control 3
RSK 687 60 16, Art. no. 2912
Automatic charging for boilers without a water heater



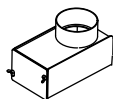
Accumulator control 11
RSK 687 60 48, Art. no. 2923
Automatic charging for boilers with a water heater



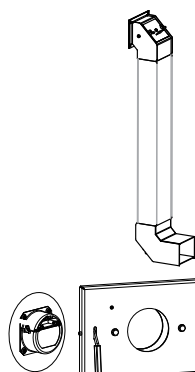
Flue pipe extension
RSK 622 19 26, Art. no. 2907
Black-lacquered steel tube, 1.0 metre



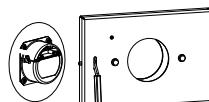
Flue pipe upwards
RSK 621 05 47, Art. no. 2938
Vedolux CU & UB



Flue pipe backwards/upwards
Art. no. 2942
Vedolux 30/37



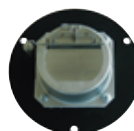
Flue pipe downwards/upwards
RSK 622 19 24, Art. no. 2909
(Contact a chimney-sweep before downward installation)
Including sweeping hatch



Pellet hatch set Vedolux 30
RSK 621 05 63, Art. no. 2970
Draught hatch 2961 is included.
For pellet burners



Draught hatch
RSK 885 25 88, Art. no. 2910
For pellet firing



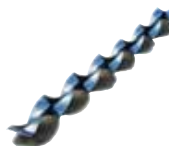
Draught hatch Vedolux 30/37
Art. no. 2961
Replaces the fan in pellet operation
Fits Vedolux 55 with a low chimney



Valve pack
RSK 622 19 60, Art. no. 2927
Aqualux Teknik, CU & UB.



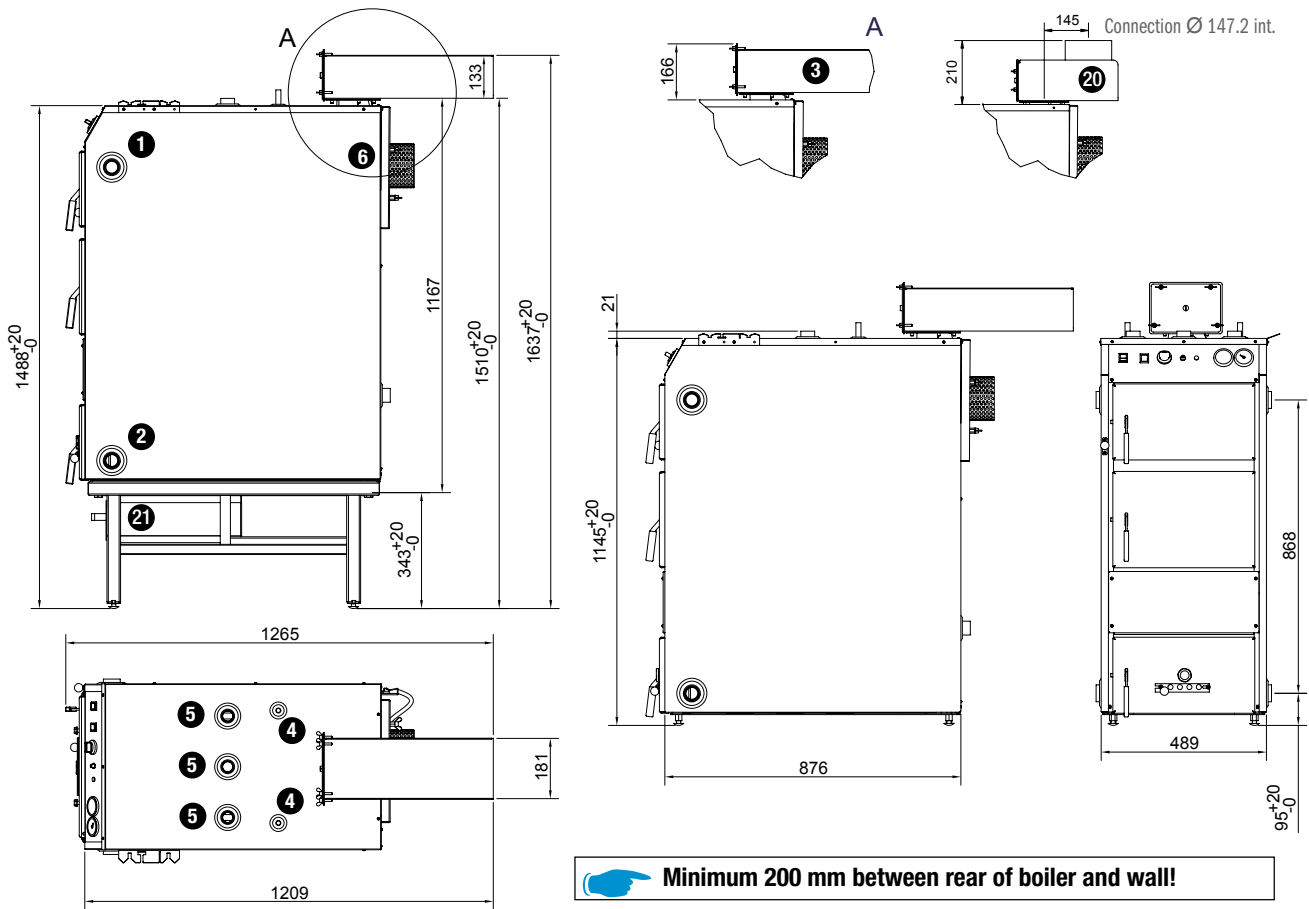
Shunt package
RSK 622 19 59, Art. no. 2918
Aqualux Teknik



Turbulators
Can increase the efficiency of your wood-fired boiler. Check that the chimney draught is sufficient if you have a natural ventilation boiler.

Conversion sets
are available for pellet firing in older boilers. Contact Värmebaronen.

Vedolux 30



Vedolux 30	RSK 622 19 57		
Weight	empty	290	kg
	full of water	390	kg
Volume		100	litre
Design pressure		1.5	bar
Max. operating temperature		110	°C
Power	wood: nominal 30, max. 33	kW	
	pellets	40	kW
Combustion chamber	volume	90	litre
	depth	550	mm
Wood length		500	mm
Wood filling hatch	w x h	300 x 246	mm
Chimney requirements	height	≥3.5	m
	flue draught	Ø ≥100	mm
		-10 / -20	Pa
Voltage		230V~	50Hz
Fan		50	W
Enclosure protection class		P 21	

1. Hot water outlet, riser, G32 int.
2. Hot water outlet, return, G32 int.
3. Flue pipe, standard.
4. Connections for cooling coil, ø 15 mm CU.
5. Lifting, expansion, safety connection, G25 int.
6. Suction fan
20. Flue pipe backwards/upwards, accessory. Art. no. 2942
21. Leg frame, accessory.

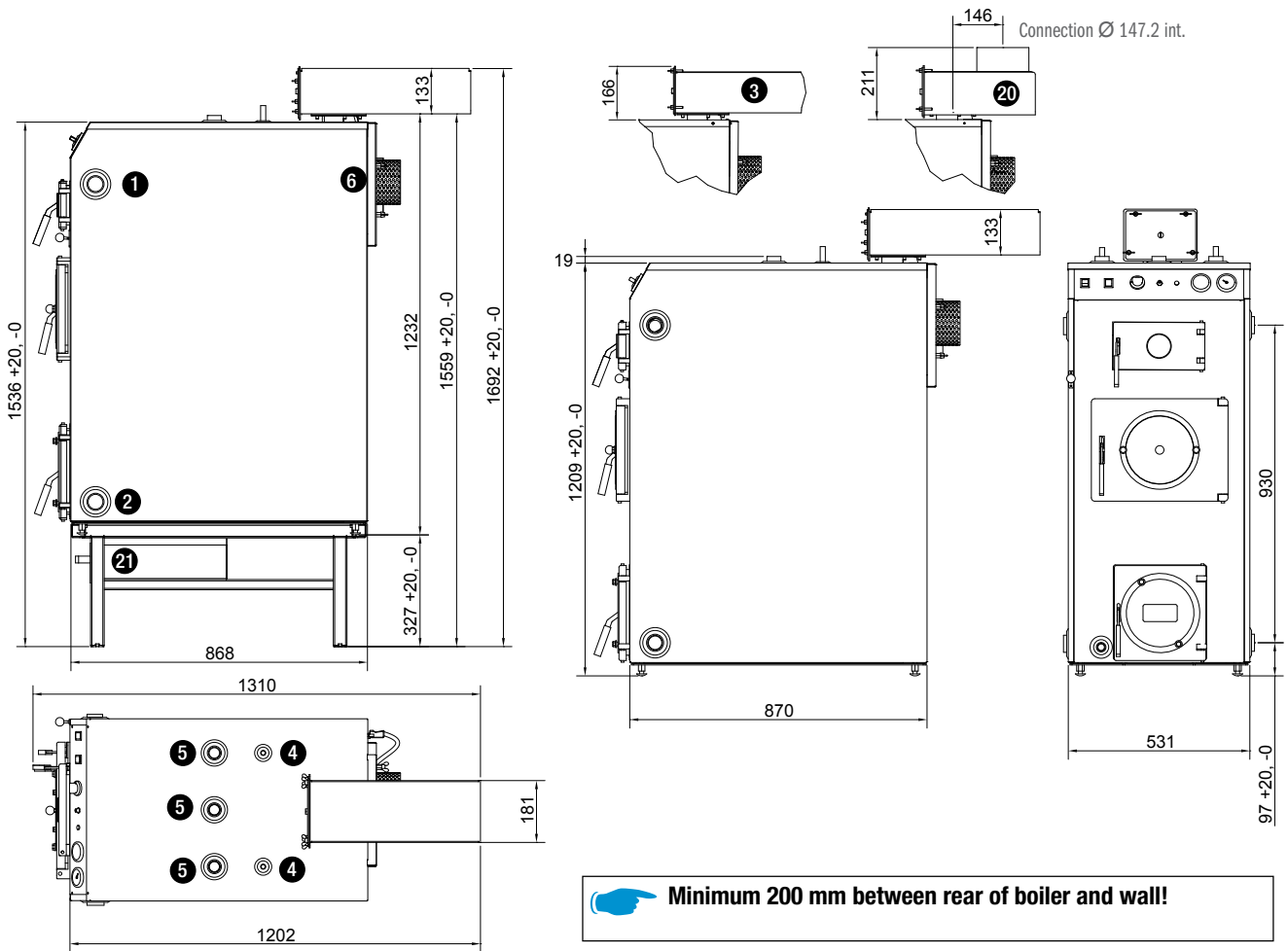
Complete supply

- Angle flue pipe
- Sweeping tool with suspension bracket
- LPG ignition (no bottle)
- Flue gas thermometer
- Drain valve
- Electric cables

Accessories

- Flue pipe backwards/upwards (see diagram)
- Leg frame RSK 622 19 56
- Pellet hatch set RSK 621 05 63

Vedolux 37

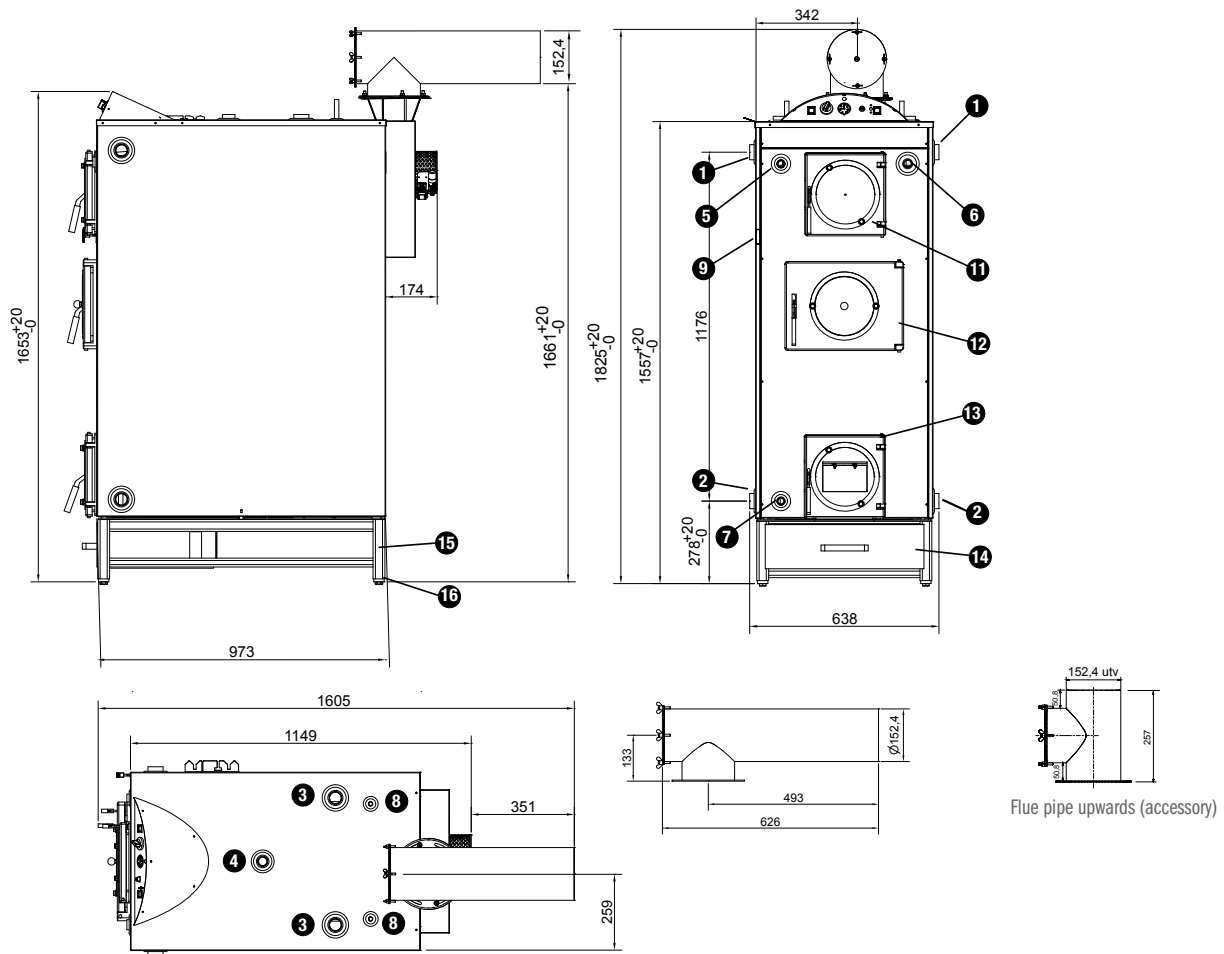


The hatches are supplied right-hung but can be reversed so they are left-hung. A plate needs to be changed on the hatch to reverse the hanging.


Vedolux 37	RSK 622 19 54	
Weight	empty	320 kg
	full of water	440 kg
Volume		120 litre
Design pressure		1.5 bar
Max. operating temperature		110 °C
Power	wood: nominal 37, max.	42 kW
	pellets	42 kW
Combustion chamber	volume	105 litre
	depth	550 mm
Wood length		500 mm
Wood filling hatch	w x h	290 x 230 mm
Chimney requirements	height	≥3.5 m
	flue	Ø ≥100 mm
	flue, recommended:	Ø 145 mm
	draught	-10 Pa
Voltage		230V~, 50Hz
Fan		50 W
Enclosure protection class		P 21

1. Hot water outlet, riser, G32 int.
2. Hot water outlet, return, G32 int.
3. Flue pipe, standard.
4. Connections for cooling coil, ø 15 mm CU.
5. Lifting, expansion, safety connection, G25 int.
6. Suction fan
20. Flue pipe backwards/upwards, accessory. Art. no. 2942
21. Leg frame, accessory.
Complete supply
• Angle flue pipe
• Sweeping tool with suspension bracket
• LPG ignition (no bottle)
• Flue gas thermometer
• Drain valve
• Electric cables
Accessories
• Flue pipe backwards/upwards (see diagram)
• Leg frame RSK 622 19 55

Vedolux 55



1. Hot water outlet, riser, left/right R32 int.
2. Hot water, return, left/right R32 int.
3. Expansion/safety pipe R32 int.
4. Lifting sleeve R25 int.
5. Sleeve R15 int.
6. Sleeve R20 int.
7. Sleeve R15 int./ drain valve
8. Cooling coil Cu Ø 15 mm
9. Bypass damper control
11. Sweeping hatch
12. Wood filling hatch with cap for pellet burner outlet
13. Ash hatch with draught hatch
14. Ash drawer
15. Leg frame
16. Adjustable foot bolts.
Complete supply
• Angle flue pipe
• Sweeping tool with suspension bracket
• LPG ignition (no bottle)
• Flue gas thermometer
• Drain valve
• Electric cables
• Leg frame
Accessories
• Flue pipe upwards Art. no.: 2937

 **Minimum 280 mm between rear of boiler and wall!**

Vedolux 55	RSK 622 20 06	
Weight	empty	476 kg
	full of water	722 kg
Volume		246 litre
Design pressure		1.5 bar
Max. operating temperature		110 °C
Power	wood: nominal	57.3 kW
	pellets:	60 kW
Combustion chamber	volume	165 litre
	depth	575 mm
Wood length		500 mm
Voltage		230V~, 50Hz
Enclosure protection class		IPX1

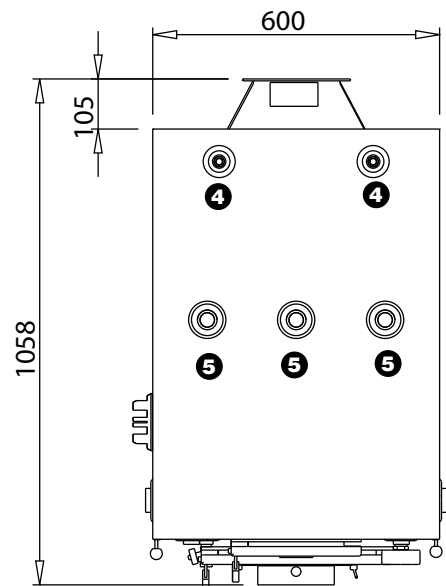
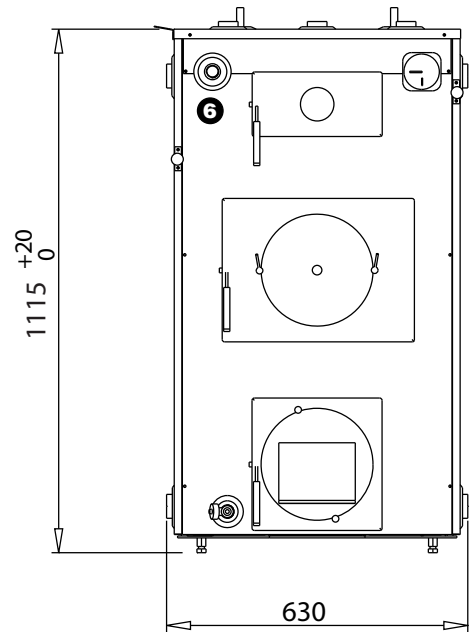
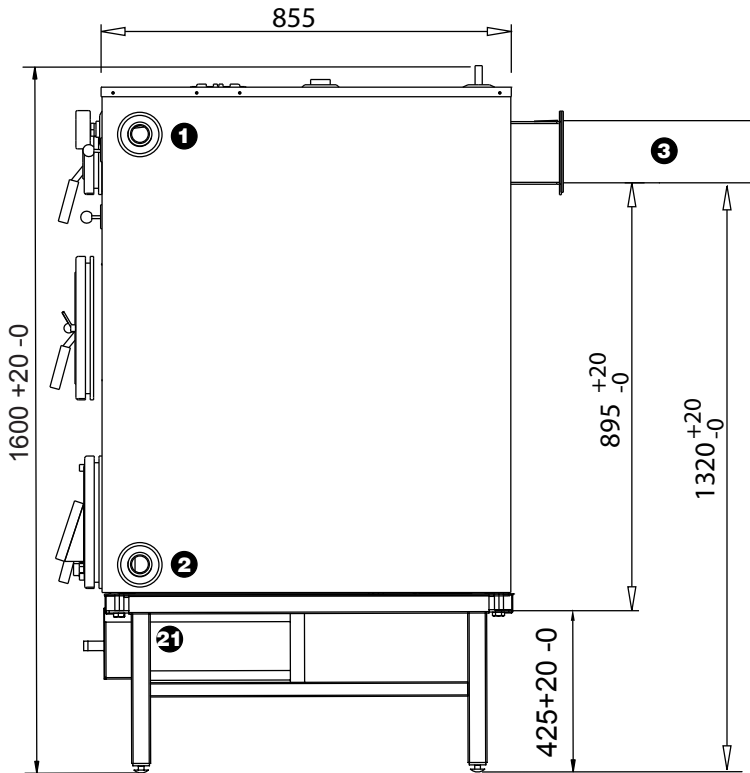
Straight steel chimney with diameter 100 mm, max. rec. height 0-2.5 m.

Straight steel chimney with diameter 125 mm, max. rec. height 0-7 m.

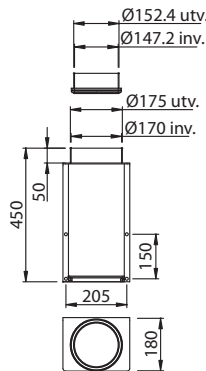
Straight steel chimney with diameter 160 mm, max. rec. height 0-no upper limit.

The hatches are supplied right-hung but can be reversed so they are left-hung. A plate needs to be changed on the hatch to reverse the hanging.

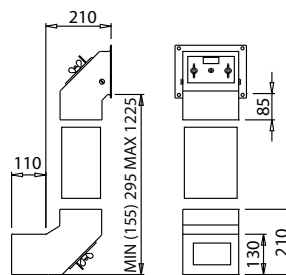
Vedolux 40 UB



Vedolux 40 UB	RSK 622 19 09	
Weight	empty	350 kg
	full of water	483 kg
Volume		133 litre
Design pressure		1.5 bar
Max. operating temperature		100 °C
Power	wood: nominal	35, max. 40 kW
	pellets	25-50 kW
Combustion chamber	volume	120 litre
	depth	575 mm
Wood length		500 mm
Wood filling hatch	w x h	290 x 230 mm
Chimney requirements	height	≥7 m
	flue	Ø ≥180 mm
	draught	-20 Pa
1. Hot water outlet, riser, G32 int.		
2. Hot water outlet, return, G32 int.		
3. Flue pipe, standard.		
4. Connections for cooling coil, Ø 15 mm CU.		
5. Lifting, expansion, safety connection, G25 int.		
6. Sleeve, G20 int.		
20a. Flue pipe upwards, accessory. Art. no. 2938		
20c. Flue pipe downwards/upwards, accessory. Art. no. 2909 + 2907		
21. Leg frame, accessory.		
Complete supply		
• Flue pipe to rear		
• Sweeping tool with suspension bracket		
• LPG ignition (no bottle)		
• Flue gas thermometer		
• Drain valve		
• Pressure and temperature gauge		
Accessories		
• Flue pipes, several versions		
• Leg frame RSK 622 19 15		



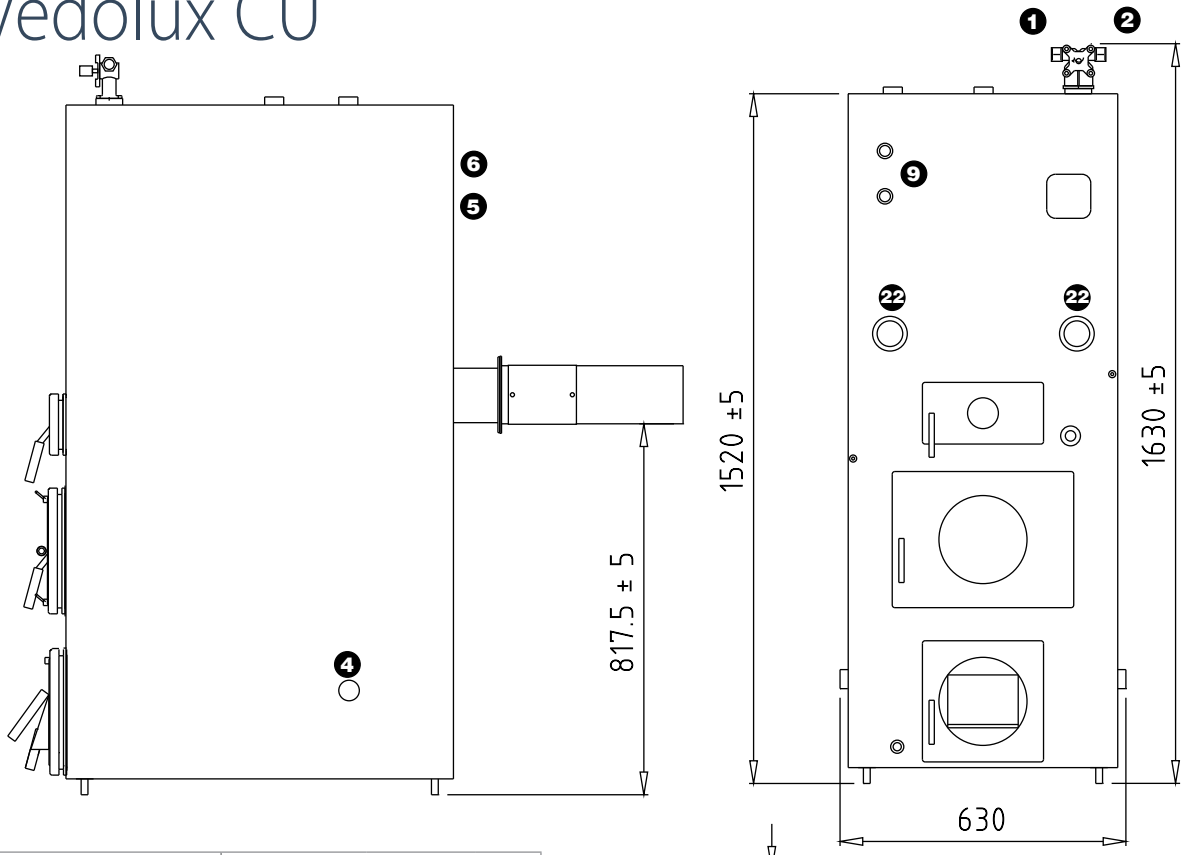
20a



20c

The hatches are supplied right-hung but can be reversed so they are left-hung. A plate needs to be changed on the hatch to reverse the hanging.

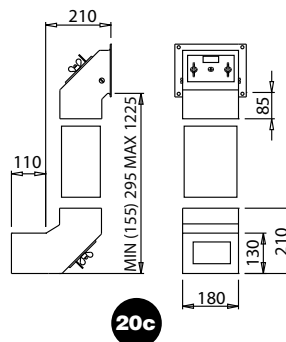
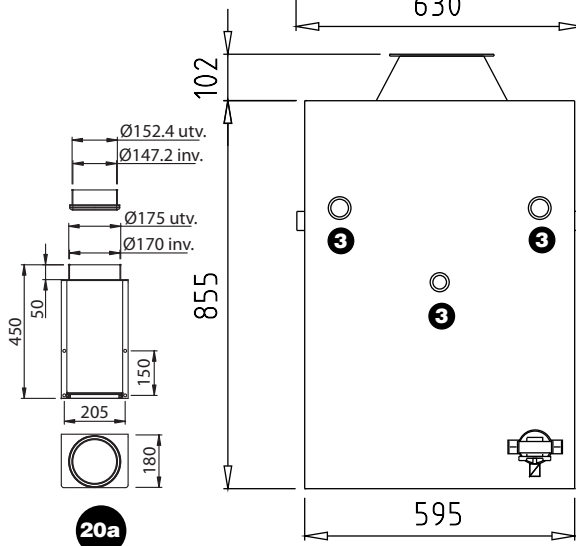
Vedolux CU



Vedolux CU	RSK 622 19 08	
Weight	empty	430 kg
	full of water	775 kg
Volume		215 litre
Water heater		130 litre
Design pressure		1.5 bar
Max. operating temperature		95 °C
Power	wood: nominal	28, max. 35 kW
	pellets	20-50 kW
	electricity	2x9 kW
Combustion chamber	volume	105 litre
	depth	575 mm
Wood length		500 mm
Wood filling hatch	w x h	290 x 230 mm
Chimney requirements	height	≥7 m
	flue draught	Ø ≥180 mm -20 Pa

1. Flow, clamping ring Ø 22 mm
 2. Return, clamping ring Ø 22 mm
 3. Lifting, expansion, safety connection, G 25/32 int.
 4. Hot water outlet, G 32 int., on both sides of the boiler.
 5. Incoming cold water, clamping ring Ø 22 mm.
 6. Hot service water, clamping ring Ø 22 mm.
 9. Sleeve, G 20 int. Max. immersion pocket depth 100 mm
- 20a. Flue pipe upwards, accessory. Art. no. 2938
- 20c. Flue pipe upwards/upwards, accessory. Art. no. 2909 + 2907
22. Connection G 50 int. for immersion heater
- Complete supply
- Flue pipe to rear
 - Sweeping tool with suspension bracket
 - LPG ignition (no bottle)
 - Flue gas thermometer
 - Drain valve
 - Pressure and temperature gauge

- Accessories
- Flue pipes, several versions



The hatches are supplied right-hung but can be reversed so they are left-hung. A plate needs to be changed on the hatch to reverse the hanging.



The head office and a modern production plant are located in Österslöv,
10 km north of Kristianstad in north-eastern Skåne

WE MANUFACTURE ALL PRODUCTS IN OUR OWN FACTORY IN SWEDEN.

At Värmebaronen, we believe it is important to have full control over the entire production chain from drawing to delivery. We also think it is important to protect Swedish jobs and our environment. Therefore, all of our activities are located in the small village of Österlöv in north-eastern Skåne.

At Värmebaronen, you can find pellet-fired, wood-fired and combination boilers. As well as pellet burners, solar panels, electric boilers and additional heating for heat pumps.

You should also know that Värmebaronen will always give you personal service from our heating consultants. Please do not hesitate to give us a call!



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VÄRMEBARONEN AB

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