



Boilers & Burners





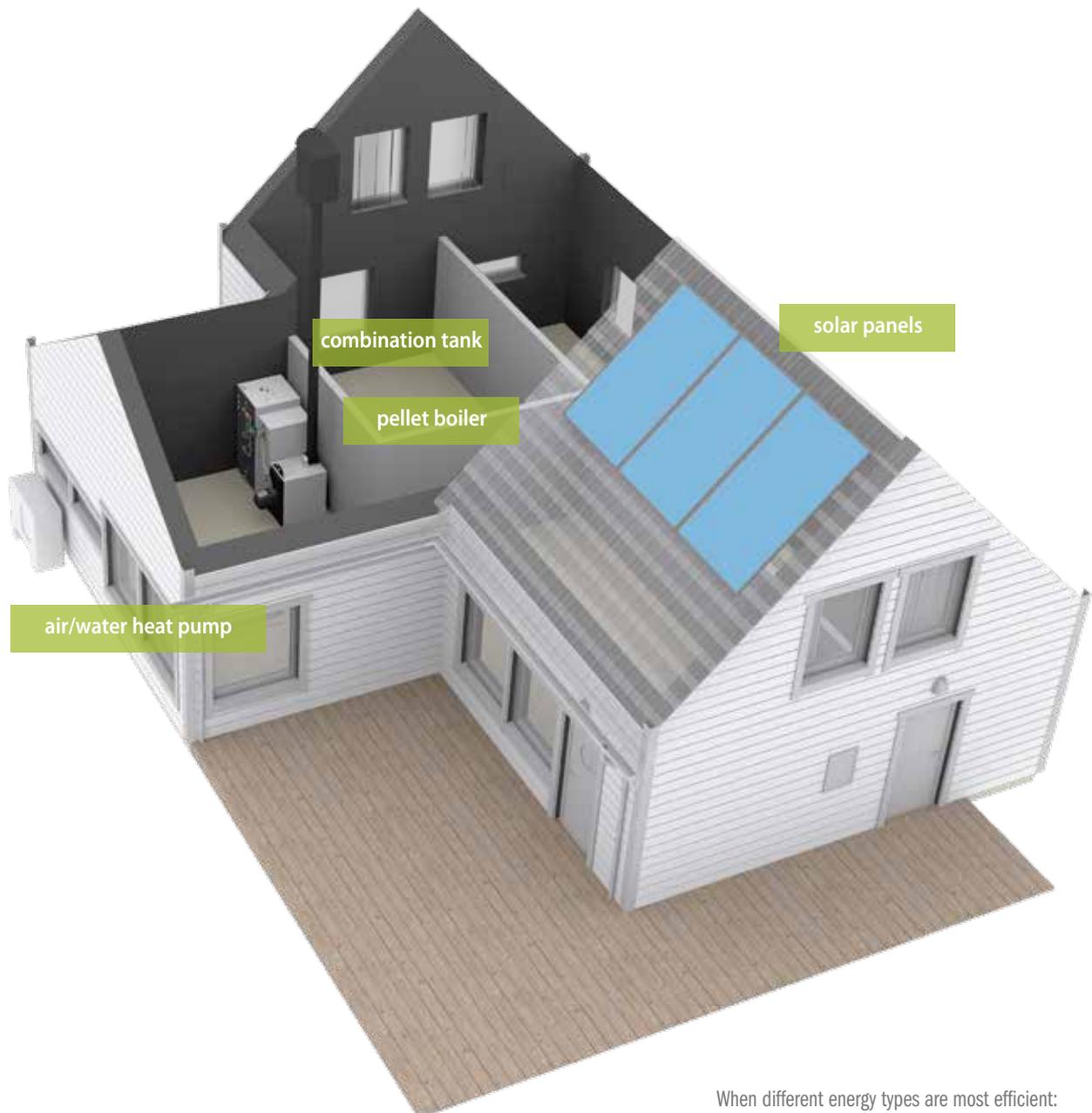
Pellets

Fuel pellets are a biofuel that is often made from sawdust or wood shavings. When wood pellets are burned, the substances emitted into the air are reabsorbed by plants and trees and are thus part of a natural cycle – unlike when fossil fuels are burned or power is generated using oil or coal. The net emission of carbon dioxide is zero. Pellets are also a domestic fuel that creates jobs and purchasing power in Sweden.

A pellet system from Värmebaronen gives you green, economical, comfortable heating.

CHEAP HEATING

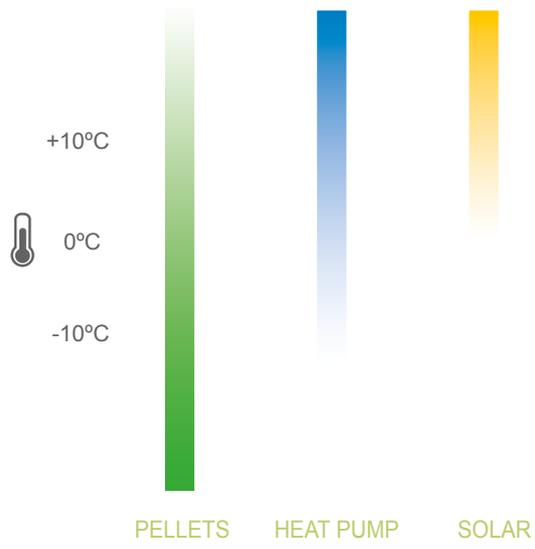
In recent years, opinions have varied on which is the cheapest heating method. Unlike the price of electricity, which has reached record highs on occasions, the price of pellets has fallen. Operating costs can generally be compared with those for a heat pump, but the installation cost for pellets is much lower. This means that you quickly recoup your investment in your system. Quite simply, this means you have more money in your wallet!



When different energy types are most efficient:

Combine

A pellet boiler on its own works well all year round. However, if you want to save even more money, it is an excellent idea to add other heat sources such as solar panels. In the winter, when it is coldest, you use pellets for heating. In the rest of the year (April, May, June, July, August and September), the solar panels take over the heating and hot water. In this way, each type of energy is used when it is most efficient. If you want, you can also connect a heat pump.





It couldn't be easier!

ORDERING PELLETS

In recent years, the price of pellets has fallen so it is worth comparing prices. Remember that quality is more important than price.

LIVING WITH PELLETS

Pellets are convenient. If you choose a bulk store, everything takes place automatically. The bulk store is filled by a bulk vehicle and you need not handle the pellets at all. The pellets are fed from the store to the pellet burner. The burner operates automatically. Another option is to have pellet sacks and a small store.



You fill the store with a number of sacks and the pellets are fed from the store to the pellet burner. After a while, you learn the pellet consumption rate and when it is time to refill the store.

EASY MAINTENANCE

With a modern pellet boiler such as Värmebaronen Pellmax, you can take it easy. You only need to look at it a few times a year and for only a few minutes each time.

SAFE

Värmebaronen's products are well tried and tested and approved by SP, the Technical Research Institute of Sweden.







Viking Bio Pellet Burners





The new Viking Bio 200 with digital display and automatic ash removal saves time and fuel

Viking Bio 200 is a modern burner with minimum maintenance

The combination of Pellmax and Viking Bio 200 meets Europe's toughest environmental requirements.

Viking Bio 200 is a modern auger-fed pellet burner. It operates automatically, ignites and extinguishes the flame and scrapes out ash at adjustable intervals. This means minimum maintenance and maximum convenience. All the materials are carefully selected. For example, all

hot parts are made of high-temperature steel.

The burner meets Europe's strictest environmental requirements with low CO emissions and minimum dust content. Tested by SP, the Technical Research Institute of Sweden, to EN 15270,

Viking Bio 200 belongs to class 5, which is the best class. Its safety has also been carefully tested. The colour touch screen clearly shows all settings and operation is monitored continuously. Viking Bio 200 is, of course, made in Sweden.



The digital display with underlying menu system facilitates installation and daily operation with clear instructions. In addition, most important data such as operating times, ash removal interval, etc. is displayed.

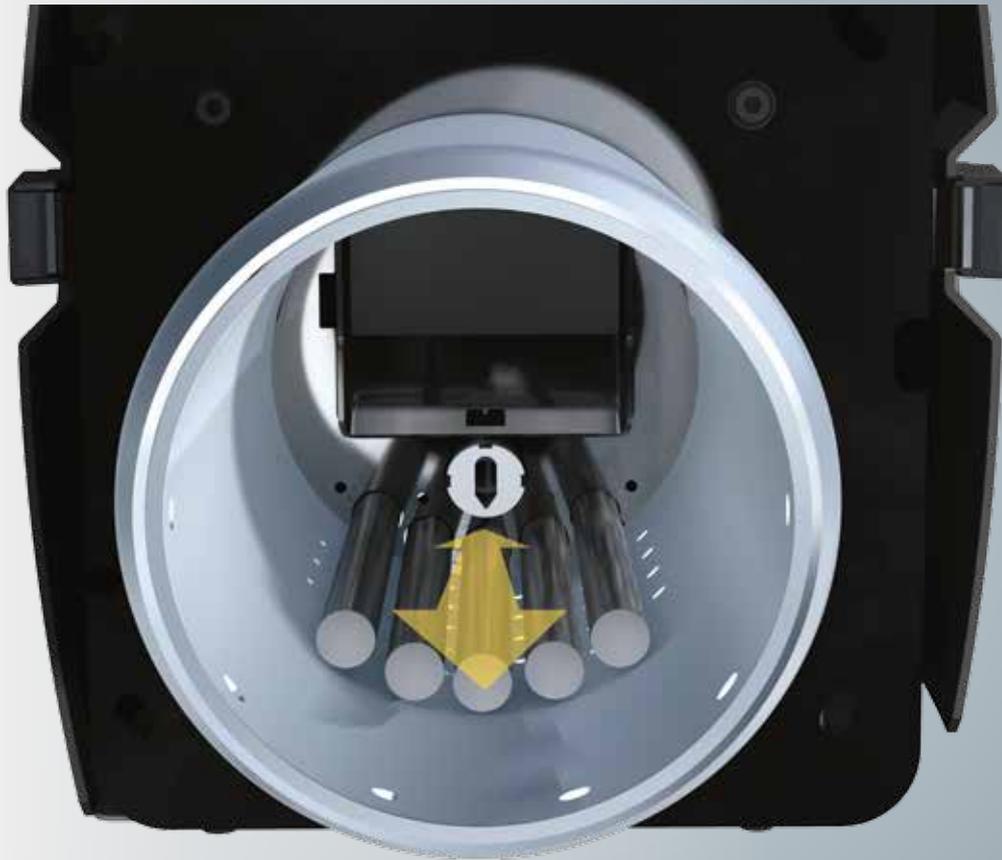
Digital display facilitates operation

Clear colour touch display.
Simple menu system.

Viking Bio 200 is easy to install. An informative display shows clearly what is going on and the burner guides you through the entire installation. The display also gives the burner a number of

other advantages: operation becomes very easy. The display shows clearly what is going on during operation and reminds you when the boiler needs to be cleaned. If any problems arise, trou-

bleshooting is easy. A history is stored in the pellet burner's memory. It shows data such as operating times, temperatures and operating problems.



The rods take ash and soot out of the burner. In idle mode, they are withdrawn and well protected.

Automatic ash removal at adjustable intervals

Viking Bio 200 has mechanical ash removal at adjustable intervals, making it virtually maintenance-free. If you happen to have low-quality pellets, the automatic ash rake can be operated at shorter intervals. In pellet boilers with spacious combustion chambers such as Värmebaronen's Pellmax series, the system can be operated for very long periods without maintenance.

The display can be used to set how often ash is to be removed.

After ash removal, the rods are completely withdrawn and are protected against any negative impact the firing might have. The rods run freely, independently of each other, and there is no risk of them getting stuck or making any noise.



Burner pipe with "pellet stop" fitted.

How it works

FINANCES

- Viking Bio 20/35 normally tries to start with low power. If the burner notices that the power is insufficient (if it is cold outside), it switches to high power.
- Like other pellet burners, Viking Bio has wearing parts that need to be replaced occasionally. In Viking Bio, there are few of them and they are easy to replace.
- Simple design with few moving parts.

COMFORT

- Starts and stops automatically.
- If many people take showers over a short space of time, the burner automatically senses that more hot water is required and starts to heat water before the boiler calls for heat (accessory). This is important if you have a boiler with a heat exchanger.
- Viking Bio 20/35 has outputs for external sound or light signals. This is good if you have forgotten to add pellets, for example.
- Viking Bio 20/35 has a low sound level and is easy to clean.

ENVIRONMENT

The burners have a high level of efficiency and low emissions.

PROPERLY TESTED

- Viking Bio has been tested by SP, the Technical Research Institute of Sweden, and meets all safety and environmental requirements. It is P-marked. The burner has also been tested to EN 15270, a European standard with strict requirements.



too high. The flame is also monitored. If, for any reason, the burner does not start, it automatically blows all flue gases out of the boiler before it stops.

RELIABILITY

- The burner has no moving parts apart from the fan. All hot parts are made of top-quality stainless steel.
- Viking Bio 20/35 has an extremely reliable electric starter. The starter element is monitored so that it does not overheat. Therefore, it is unusual to have to replace the starter element, which is a problem that occurs in many other pellet burners.

USER-FRIENDLY

- The burner is attached with easily accessible quick attachments. The electrical connections and pellet feed hose have quick attachments. You can easily detach the burner from the boiler in approximately 10 seconds. The burner is easy and simple to manage.

ADAPTABLE

- Viking Bio pellet burners have a forward-burning flame just like an oil burner. Therefore, the burners fit in most boilers, include narrow modern oil burners such as CTC 1100/1200, Nibe City, etc.

A conversion set for CTC boilers is available to order. The combination has been tested and approved by the Technical Research Institute of Sweden with good efficiency and approved environmental values.

SAFETY

- It is easy to read what caused any problems on the burner's panel. Then it is easy to take action.
- The burner's unique ignition eliminates the risk of flue gases accumulating and then being ignited with explosive force, which is a common problem with pellet burners. The burner ventilates both itself and the boiler during startup. Then it starts calmly and carefully. The flame is gradually built up to the set power.
- The burner continuously monitors whether the temperature in the down-pipe or the ambient temperature is

Viking Bio 20

Our classic, tens of thousands of products sold

For many years, Viking Bio 20 has had by far the highest market share on the Swedish market for pellet burners. During this time, Värmebaronen has continuously trained installation engineers throughout Sweden in pellet firing. This guarantees that you and your burner will have excellent service available close at hand.

Read about all of the advantages of the burner on the previous page.



Viking Bio 35

If you need more power

A pellet burner with tried and tested technology.

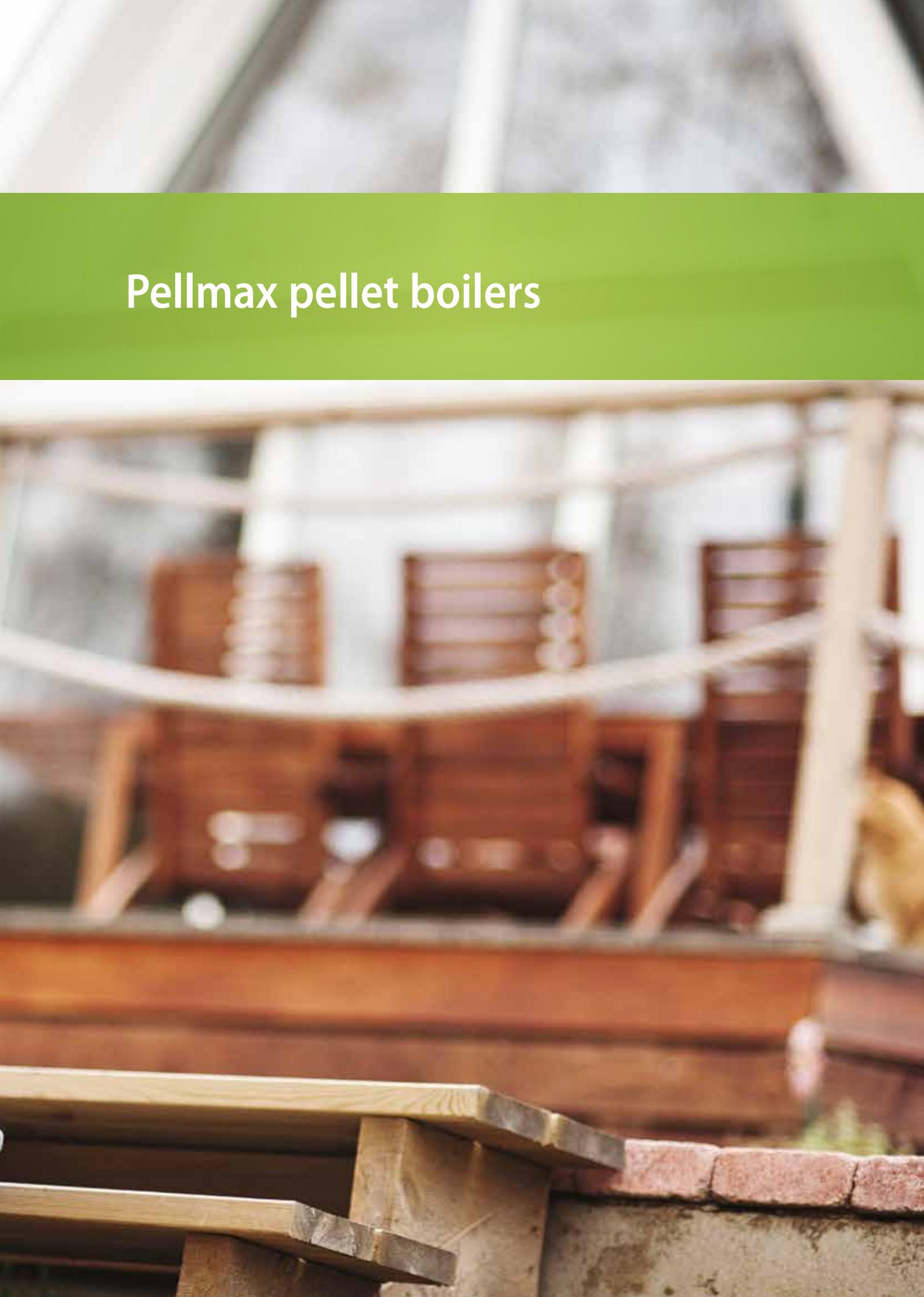
Although the burner is new, it has still been well tried and tested as it is based on the same technology as the Viking Bio 20, one of the best-selling pellet burners on the market. For several years, there has been high demand

for a bigger Viking Bio. Now owners of large properties can also heat simply and efficiently with pellets. Viking Bio has been developed to be as simple and user-friendly as possible. Service is easy to perform. For example, the

burner pipe and ignition element have quick-release fittings and can quickly be replaced. Tested by SP with good environmental values, class 4, and high safety.







Pellmax pellet boilers



Modern pellet firing

NEW TECHNOLOGY MEANS EASY MAINTENANCE

The Pellmax series makes it easy to fire with pellets. Choose the Pellmax that suits you best. You can choose between three different models. All the boilers have substantial combustion chambers and ash spaces. You only need to look at the boiler a few times a year. Maintenance takes just a few minutes every time.

YOU WILL QUICKLY RECOUP YOUR INVESTMENT THROUGH SAVINGS

With pellets you have very low heating costs. The price of pellets has fallen, unlike the price of electricity. Another advantage is the low installation cost, which means that you can recoup your investment much faster than with a heat pump installation, for example.

RETAIN THE HOUSE'S VENTILATION

With a pellet boiler instead of a heat pump, you retain the house's ventilation as the house was designed and avoid damp problems. You also avoid having to switch to using larger or more radiators, which you sometimes have to do after installing a heat pump.

IS YOUR BASEMENT SHORT OF SPACE?

Add a compact Pellet Store 200 (photo) to your Pellmax and you will have a neat installation that takes up little space. A Pellet Store 200 can be connected to a bulk store.

If you have enough space, a larger store is preferable.

Do you have an old boiler? A Pellmax is easier to operate



Pellmax CU*



LESS SUPERVISION – LESS WORK

Your old boiler is sure not to have hatches with quick-release handles. It has to be opened with tools. The combustion chamber is designed for oil and has no space for ash, so it has to be cleaned frequently. Sweeping the boiler is difficult because all the hatches and flues are more or less inaccessible. Generally speaking, it feels cramped and awkward.

You will quickly discover that it is much easier to operate a real pellet boiler.

JUST A FEW MINUTES A YEAR

Pellmax boilers can be fired for long periods of time without losing their high efficiency. They have no automatic sweeping system that can go wrong. It is quite simply not needed. Boiler maintenance is fast. It takes a few minutes and needs to be done around two to four times a year.

HIGHER EFFICIENCY

With a Pellmax pellet boiler, you can get up to 20% higher efficiency. This is partly because a pellet boiler is designed and optimised for pellets and also because it is better insulated and better sealed than your old boiler. This produces minimum heat loss and saves money.

HOW LONG WILL YOUR OLD BOILER LAST?

Has your old boiler reached retirement age? This is often the case when they approach the age of 15 years. Don't be tempted to replace it with a secondhand oil boiler. Save time and money with a proper Pellmax instead.

ENVIRONMENTALLY APPROVED, NATURALLY

Pellmax has been tested by the Technical Research Institute of Sweden (SP) with Viking Bio pellet burners with very good values.

*Burner not included.

All Pellmax models are equally user-friendly



EASY TO CLEAN

The boilers' round flues have no recesses that collect soot and ash. You can use the flue brush supplied to sweep from just one hatch. Fast and easy. The big ash drawer only needs to be emptied a few times a year. The hatch has a quick-release handle and you can open the boiler in just a few seconds. Clean out the burner and pull the flue brush through the flues. The soot and ash are in the ash drawer. Pull it out and empty it. Done in under 5 minutes. Simple or what?



QUALITY

All Pellmax pellet boilers are built with the same high quality as our solid wood-fired boilers. Well tried and tested, quality down to the smallest detail.



Solid hatches and handles.

Easily accessible, spacious ash drawer



Pellmax UB*

Pellmax CU*

Pellmax VX*

Pellmax CU

CLIMATE-CONTROLLED HEATING

Smart functions reduce operating costs by up to SEK 1,000 a year compared with other boilers on the market. Climate-controlled heat regulation ensures that your house always has exactly the right amount of heat, even if the temperature outdoors changes rapidly. The boiler shuts off the heating in the summer but starts up all vital functions every day so that nothing seizes up when the autumn arrives. Together, these functions save money every day.

PLENTY OF HOT WATER

Pellmax CU has a substantial copper-lined water heater that produces ample hot water. The boiler also has electric heating as a backup if the pellets run out.

OPTIMUM COST EFFICIENCY

All the functions make Pellmax CU a proper piggy bank. Climate control, summer operation and smart control of the pellet burner save money and produce maximum comfort.

Pellmax VX

HOT WATER WITH HEAT EXCHANGER

Pellmax VX is controlled by mechanical thermostats that switch on the pellet burner (or electric heating) according to the temperatures you have chosen. If the pellets run out, the electric heating is automatically switched on. The panel shows the energy type currently in use. The heat exchanger can produce large quantities of hot water. The water is heated when it passes through the exchanger on its way to the tap. The boiler has a low height and is suitable when the ceiling is low. All connections are easily accessible.

Pellmax UB

SUPPLEMENTS ALL OF OUR HEATING SYSTEMS

Regardless of what heating system you have, you can add a Pellmax UB pellet cassette. You need to have a waterborne heating system and some form of water reservoir/accumulator tank. Many heat pumps are connected to an electric boiler with a water-filled "jacket". In such cases, it is very easy to connect Pellmax UB. The boiler is just 95 cm high and easy to install.

*Burner not included.



Burner not included.

Biomax - combine pellets and wood

FREEDOM OF CHOICE

Biomax uses tried and tested double boiler technology but is adapted for modern biofuels and high requirements for convenience. Biomax gives you the freedom to choose your fuel to meet your own needs in terms of convenience and costs. The boiler is fired just as well with pellets as with wood. The separate combustion chambers make it easy to choose energy types. It also functions as an electric boiler with power of 9 kW, which is sufficient for most houses.

COMBINATION FIRING

You can, for example, fire with wood in the spring and autumn and use pellets during the winter. In the summer you use pellets or electricity for hot water. You choose what suits you best. When you don't want to fire with wood, using pellets is still cost-efficient.

SIMPLE WOOD FIRING

The wood combustion chamber is designed for inverted combustion with a ceramic grate and secondary combustion chamber. The boiler can be ignited with the LPG ignition supplied in around one minute.

All sweeping is done from the same hatch on the front of the boiler. It could not be easier.

CONVENIENT PELLET FIRING

The Viking Bio pellet burner can always be mounted on the boiler. The burner hatch has quick-release handles and can be folded out so far that the burner is suspended on the side of the boiler. A removable ash drawer in the base of the combustion chamber makes it easy to empty the boiler of ash.

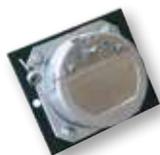
Accessories

WHY DO YOU NEED A DRAUGHT HATCH?

To obtain an even flow of air to the pellet burner, a draught damper must always be installed. An even flow of air produces higher combustion efficiency and better fuel economy. You also avoid the boiler cooling down during idle periods as the air passes through the draught hatch rather than through the entire boiler.



Large draught hatch for large chimneys
RSK 622 19 58
Replaces the draught hatch supplied if it is not sufficient if the chimney draught is high, **i.e. the chimney is higher than 8 metres and the diameter is greater than 130 mm.**



Draught hatch RSK 885 25 88
Fits flue pipe with soot hatch inclined at 45°C.
W: 150 mm, H: 130 mm



Draught hatch for cleaning hatch Art no. 2925
Fits cleaning hatches in chimneys with width 132 mm.



Draught hatch Vedolux 37 Art no. 2961
Fits in the fan recess in Vedolux 37.
Diameter 208 mm



Boiler temperature sensor RSK 621 05 58
Controls Viking Bio in connection with operation in exchanger boilers or in wood-fired systems with an accumulator tank.
16° between on & off. Length 3.3 m.



Mounting plate RSK 621 05 59
Plate 300 x 300 x 3 mm with hole for Viking Bio 20/200. Also available for Viking Bio 35, 350 x 350 mm, VB art no. 3319



Spacer Viking Bio 20/200 RSK 621 05 60
Moves Viking Bio 20/200 105 mm from the hatch. Used with short combustion chambers or narrow hatches. Fits directly in Värmebaronen's wood hatches. Coupling Ø 200 mm.



Spacer Viking Bio 35 RSK 621 05 68
Moves the burner 80 mm from the hatch. Used with short combustion chambers or narrow hatches. Fits directly in Värmebaronen's wood hatches. Coupling Ø 200 mm.

Width 450 mm
Height 1,540
Depth 745



Boiler and store, only 102 cm wide (drain valve removed)
A pellet burner is an accessory



Pellet hatch CTC 1100/1200/2200
RSK 621 05 57
Fits Viking Bio. Complete set with temperature sensor, spacer and hatch (outer burner pipe not included).



Room unit Pellmax CU & Elomax
RSK 611 62 96
With control and alarm functions.



Burner hatch
for Viking Bio 20/200, left-hung.
VB art no.: 90280 Pellmax UB
VB art no.: 90283 Pellmax CU and VX



Burner hatch
Left-hung without hole.
For burners of a different make.
VB art no.: 90281 Pellmax UB
VB art no.: 90284 Pellmax CU and VX

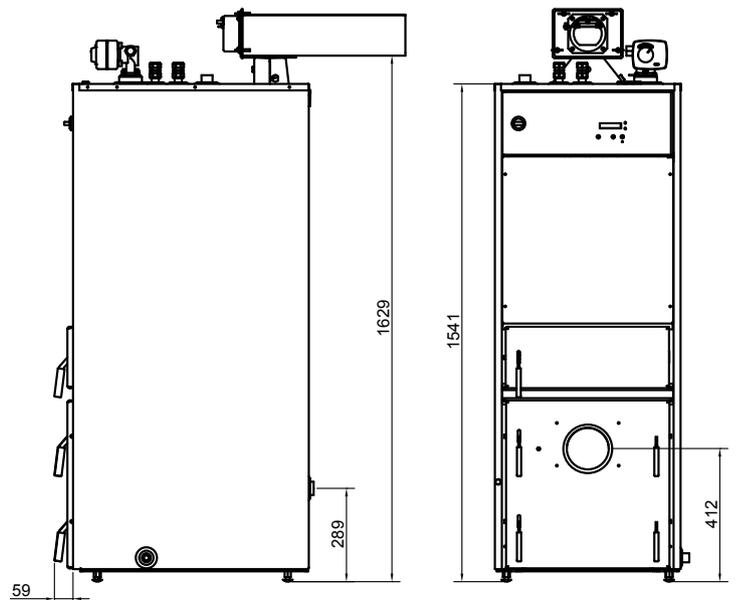


Burner hatch
Right-hung without hole.
For burners of a different make.
VB art no.: 90282 Pellmax UB
VB art no.: 90285 Pellmax CU and VX

PELLMAX CU

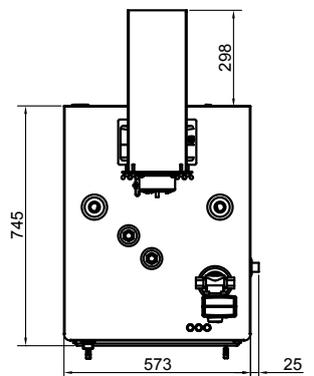
RSK 621 05 66

Height 1,540 mm excl. flue pipe
 Width 570 mm excl. drain valve
 Depth 745 mm
 Boiler water volume 165 litres
 Water heater 100 litres
 Ash drawer 25 litres
 Chimney requirements \varnothing min. 100 mm, height min. 2 m,
 draught max. 15 Pa
 Smoke outlet to the rear
 Power 25 kW, pellets
 Power 9 kW, electricity
 Weight 300 kg.



Complete supply

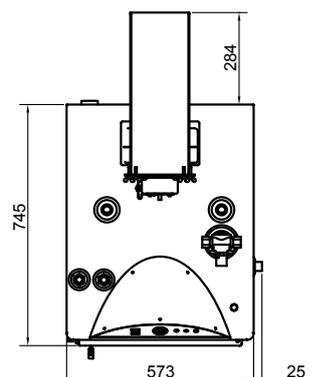
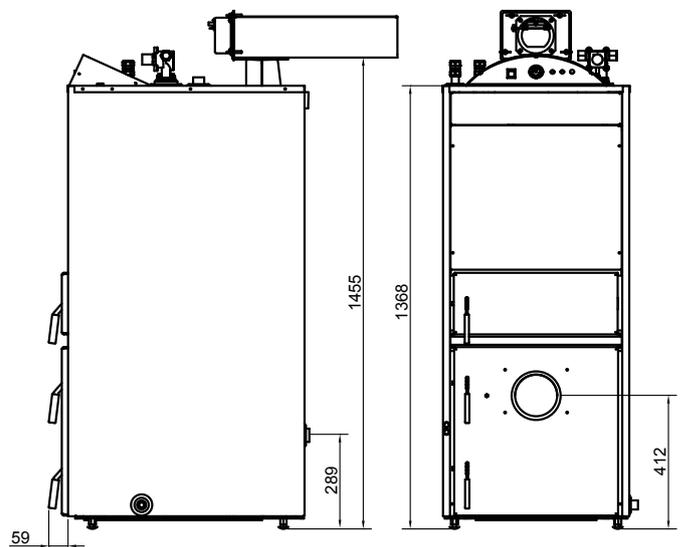
- Automatic shunt and outdoor sensor
- Angle flue pipe with lockable draught damper
- Sweeping tool with suspension bracket
- Electronic flue gas thermometer
- Drain valve
- Load guard incl. transformers



PELLMAX VX

RSK 621 05 67

Height 1,370 mm excl. flue pipe
 Width 570 mm excl. drain valve
 Depth 745 mm
 Boiler water volume 195 litres
 Ash drawer 25 litres
 Chimney requirements \varnothing min. 100 mm, height min. 2 m,
 draught max. 15 Pa
 Smoke outlet to the rear
 Power 25 kW, pellets
 Power 9 kW, electricity
 Weight 275 kg



Complete supply

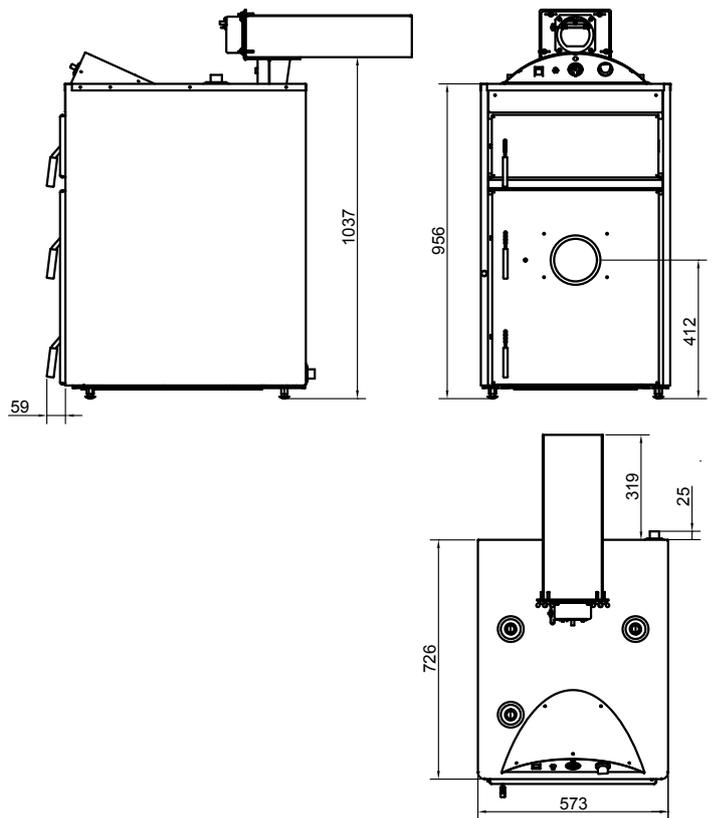
- Angle flue pipe with lockable draught damper
- Sweeping tool with suspension bracket
- Drain valve
- Load guard incl. transformers
- Dirt filter for heat exchanger

PELLMAX UB RSK 621 05 64

Height 955 mm excl. flue pipe
 Width 575 mm excl. drain valve
 Depth 730 mm
 Boiler water volume 80 litres
 Ash drawer 25 litres
 Chimney requirements \varnothing min. 100 mm, height min. 2 m, draught max. 15 Pa
 Smoke outlet to the rear
 Power 20 kW, pellets
 Weight 210 kg.

Complete supply

- Angle flue pipe with lockable draught damper
- Sweeping tool with suspension bracket
- Drain valve

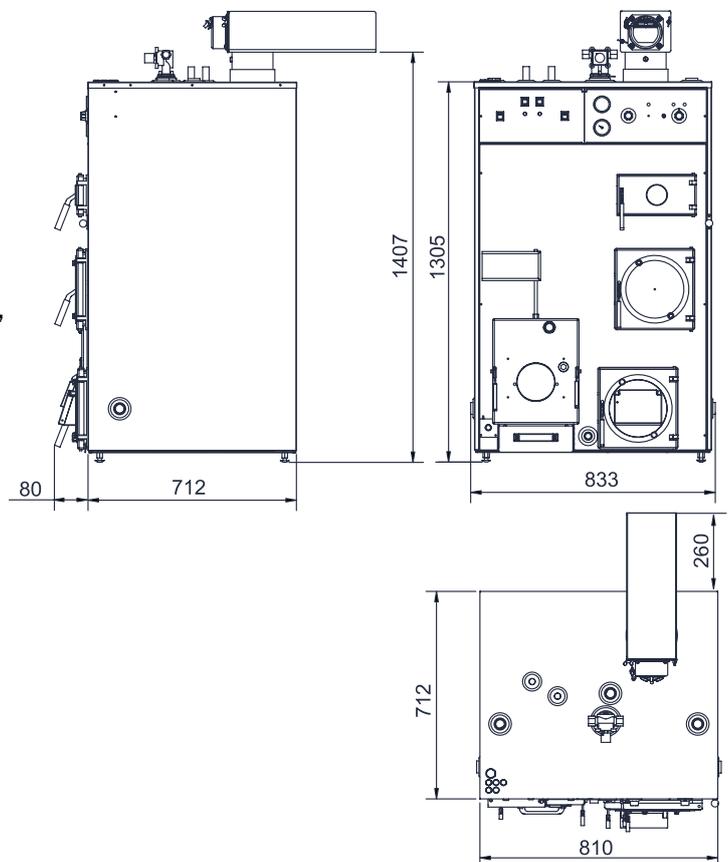


BIOMAX RSK 611 62 59

Height 1,305 mm
 Width 810 mm
 Depth 715 mm
 Boiler water volume 190 litres
 Water heater 100 litres
 Chimney requirements, min. \varnothing 150 mm, height min. 7 m, draught min. 20 Pa
 Combustion chamber volume 55 litres, depth 400 mm
 Smoke outlet to the rear
 Power 20 kW, pellets
 Power 20 kW, wood
 Power 9 kW, electricity
 Weight 365 kg

Complete supply

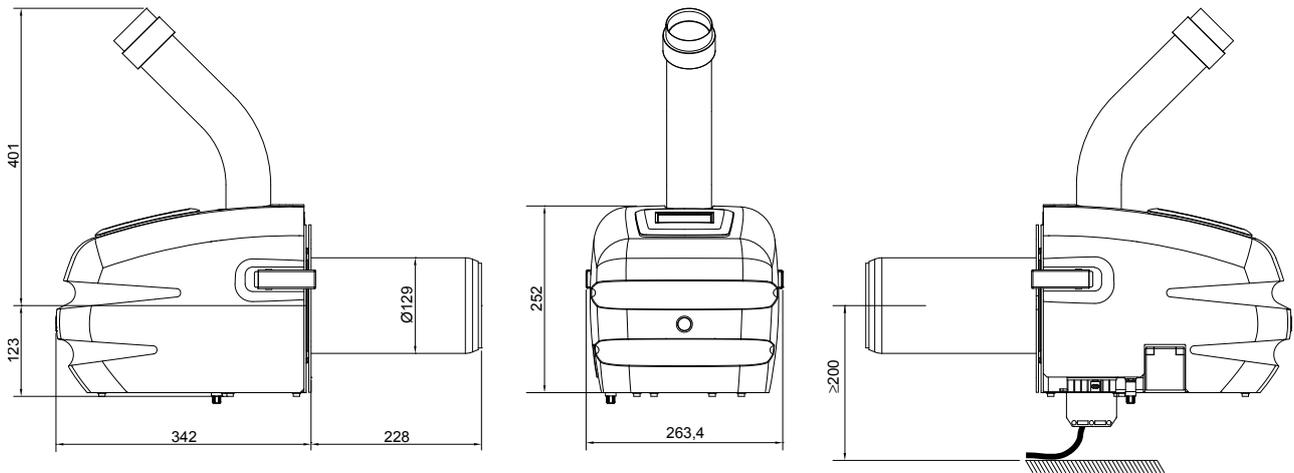
- Angle flue pipe with lockable draught damper
- Sweeping tool with suspension bracket
- LPG ignition (no bottle)
- Flue gas thermometer
- Drain valve
- Load guard incl. transformers



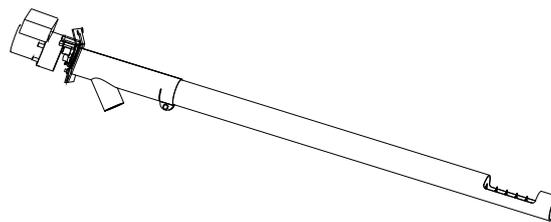
Subject to printing and proofreading errors

VIKING BIO 200

RSK 639 08 04



Weight:	15.4 kg	Fuse protection:	10 A	Pressure in combustion chamber:	-15-0 Pa
Ambient temperature:	10-30 °C	Power consumption high power:	20 W	Sound pressure:	65 dBA
Heat output low:	17 kW	Power consumption low power:	14 W	Wood pellet corresponding to:	EN 14961:2 cl. A1
Heat output high:	22 kW	Power consumption standby:	5 W	Pellet size:	Ø 6-8 mm
Voltage:	230 V~, ±10%, 50 Hz	Enclosure protection class:	IPx1	Emission class according to EN 15270:	5
		Draught required:	0-5 Pa	Feed auger:	230 V~/15 W

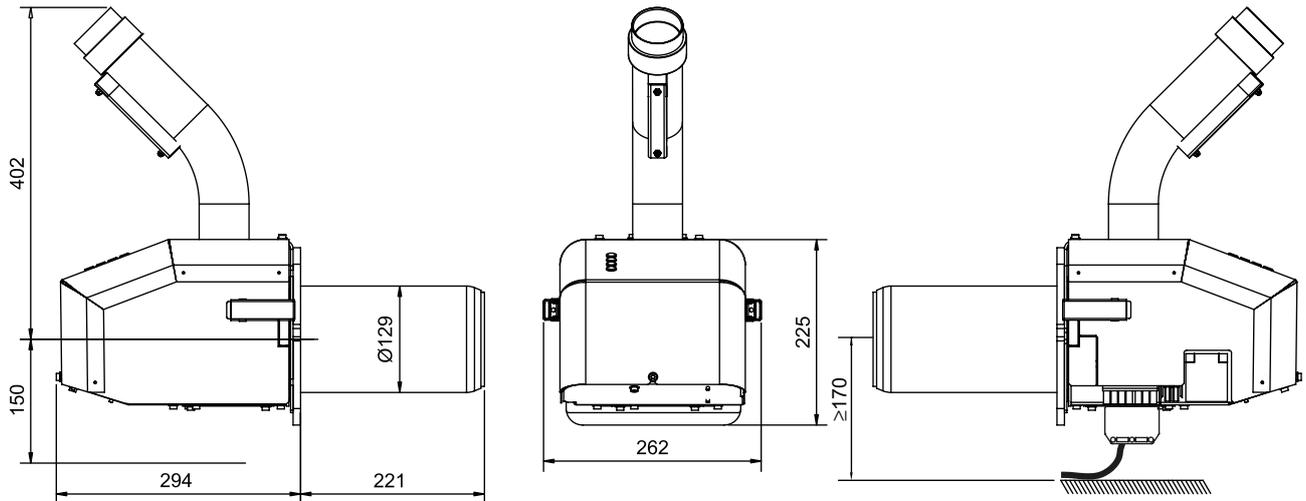


Pellet feed auger 1,500 mm RSK 639 07 47
Pellet feed auger 2,500 mm RSK 639 07 48

*The augers can be cut to the desired length.
A conversion set from 1,500 mm auger to
2,500 mm is available, art. no. 3307*

VIKING BIO 20

RSK 639 07 46



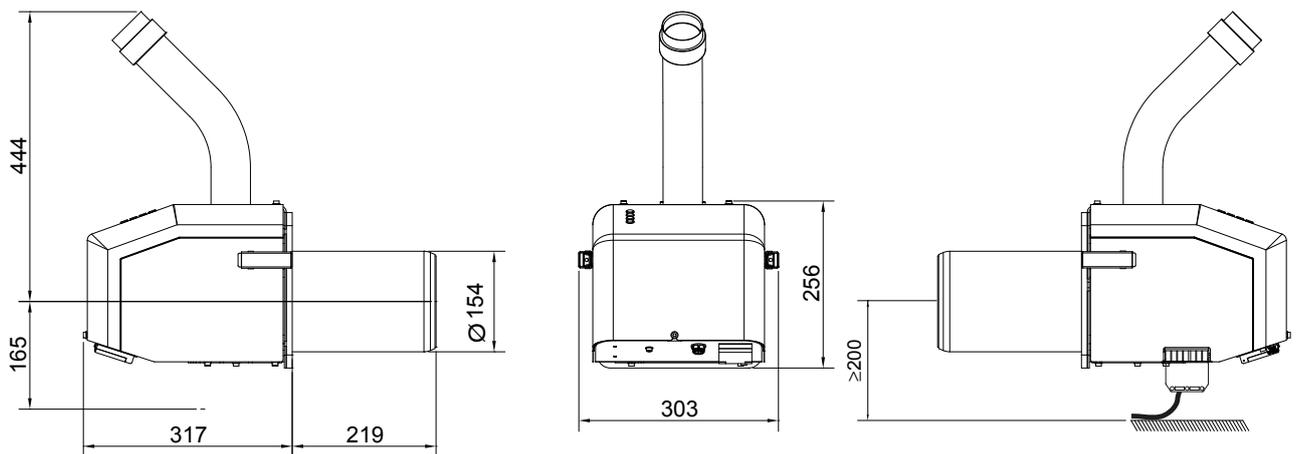
Weight: 12 kg
Ambient temperature: 10-30 °C
Heat output low: 15 kW
 high: 20 kW
Voltage: 230 V~, ±10%, 50 Hz

Fuse protection: 10 A
Power consumption high power: 16 W
 low power: 11 W
 standby: 5 W
Enclosure protection class: IPx1
Draught required: 0-5 Pa

Pressure in combustion chamber: -15-0 Pa
Sound pressure: 65 dBA
Wood pellet corresponding to: EN 14961:2 cl. A1
Pellet size: Ø 6-8 mm
Emission class according to EN 15270: 4
Feed auger: 230 V~/15 W

VIKING BIO 35

RSK 639 08 05



Weight: 15 kg
Ambient temperature: 10-30 °C
Heat output low: 22 kW
 high: 35 kW
Voltage: 230 V~, ±10%, 50 Hz

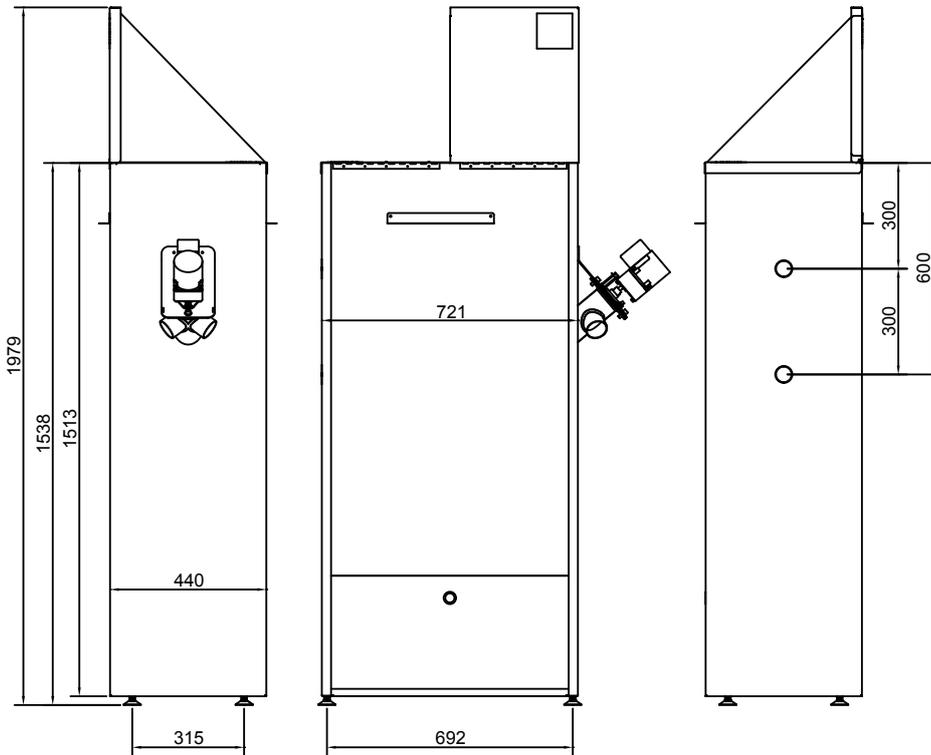
Fuse protection: 10 A
Power consumption high power: 25 W
 low power: 16 W
 standby: 3.5 W
Enclosure protection class: IPx1
Draught required: 0-15 Pa

Pressure in combustion chamber: -15-0 Pa
Sound pressure: 65 dBA
Wood pellet corresponding to: EN 14961:2 cl. A1
Pellet size: Ø 6-8 mm
Emission class according to EN 15270: 4
Feed auger: 230 V~/15 W

ACCESSORIES

Pellet Store 200

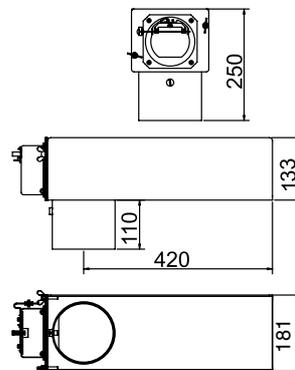
RSK 639 07 94



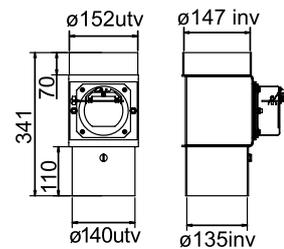
Height-adjustable ± 15 mm with the foot bolts.
 Depth dimensions excluding feed auger and any sensors*.
 Weight 52 kg (incl. feed auger).
 Holes in lid, 1 x $\varnothing 102$ mm, 2 x $\varnothing 80$ mm, for feed from bulk store.
 Two holes on the rear, $\varnothing 47$ mm, for sensors.
 Pellet volume approximately 230 litres.
 *Pellet Store 200 can be fitted with automatic control and sensors to control the feed from the bulk store.

Flue pipes Biomax

Biomax and Pellmax are supplied with angle flue pipes. Other types of flue pipe are available as accessories.

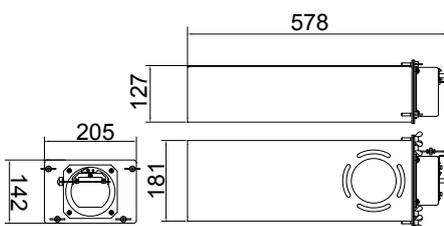


Angle flue pipe (supplied) Art. no. 2945.

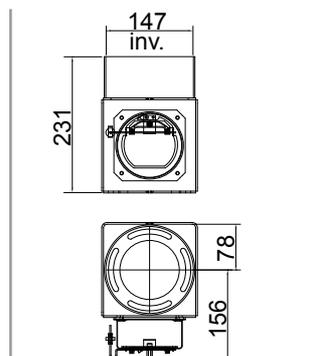


Flue pipe upwards (accessory) Art. no. 2936.

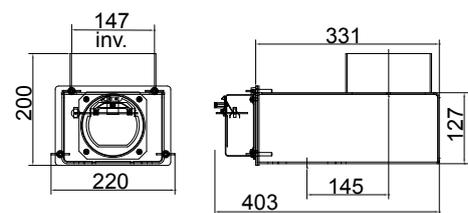
Flue pipe Pellmax



Angle flue pipe (supplied) Art. no. 710830.



Flue pipe upwards (accessory) Art. no. 2944.



Flue pipe to rear/upwards (accessory) Art. no. 2943.





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!



www.varmebaronen.se



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