VEDOLUX

LAMBDA CONTROL WOOD-FIRED BOILERS
Firing with wood is one of the lowest cost ways of heating your home. The Vedolux Lambda range makes it easier than ever.

Vedolux makes maintenance and handling easier for you. The clear display tells you what is going on in the boiler and guides you at the start. If you insert too much wood or poor quality wood, the boiler ensures that the output is adjusted so that the firing continues to be efficient and green. Hatch locks ensure that you cannot open the hatches by mistake.

Lambda control ensures that the wood lasts as long as possible and minimum soot created. This saves you work both on the wood and on boiler maintenance. Sweeping and ignition are simple, and take just a few minutes.

These boilers are very robust. The thick cover plates, solid buttons and handles are very durable and capable of a long time of service.

All the products in the catalogue are designed and made the Varmebaronen factory in Sweden.
FOR THE FUTURE AND FOR THE ENVIRONMENT

Vedolux 350, 450 and 650 all have Lambda control. The principle is the same as in modern cars. The car’s fuel economy and exhaust gas purification efficiency depend on the lambda value. Tests at SP, the Technical Research Institute of Sweden, show that both the efficiency and environmental values of Vedolux boilers are in a class of their own and the boilers thus meet strict emission requirements.

LAMBDA ALSO SAVES TIME AND WORK

Lambda has the pleasant side-effect of saving you a lot of work. The high efficiency level of 93% ensures that you get as much heat as possible out of your wood. This means less time chopping wood and more time for leisure activities. It also means longer intervals between firings. The fact that the boilers are very easy to sweep saves you further time and work.
“SWEDISH DESIGN SUCCESS”
VVS-Forum no. 4 2011
Its timeless design has gained the 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, show that both the efficiency and environmental values of Vedolux boilers are in a class of their own.

The unique design of the Vedolux means that it suits both confirmed wood firers and those who are looking for the best modern wood-fired boiler on the market.

The design and construction of the boilers produce unparalleled 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.

"Värmebaronen's wood-fired boiler Vedolux has attracted attention and was permitted to represent Good Swedish Design"
VVS-Forum no. 4 2011
ISH fair, Frankfurt

**EFFICIENCY:**

93% *

* tested with European standards using LHV for firewood fuel
"The Vedolux 650 resembles an exclusive retro-style fridge painted matt black. This colour should, by definition, be the optimum colour for a wood-fired boiler”

VVS-Forum no. 4 2011
Firing with wood is one of the lowest cost ways to heat and if you choose a boiler with the highest efficiency, it will save even more. Therefore, we have developed several Vedolux models with different output levels. This makes it easy to choose the right boiler for the right house. Vedolux lambda is available in outputs from 35 kW up to 65 kW.

- Top-class efficiency and environmental values, CO only 130 mg/m³.
- Easy maintenance makes it easy to maintain the high efficiency.
- A timeless, elegant design and robust finish in high-quality steel.
- Output reduction if too much wood is inserted gives you a wide margin of error, while the environmental requirements are still met.
- The service-friendly, carefully considered design means low service costs.

Sweep and ignite the boiler in five minutes:
All sweeping takes place from the front through just one hatch. The round flues have no hidden corners or folds in which ash and soot can collect.
You can easily withdraw the turbulutors from the boiler by hand. No tools are required.
The soot collects in the base of the boiler and is simply raked out in the retractable ash drawer.
Insert the wood through the well-sized hatch and then light it with the LPG ignition supplied.
It could not be easier.
Vedolux with Aqualux Teknik accumulators
CHOOSING THE RIGHT ACCUMULATOR TANK

By choosing a Vedolux wood-fired boiler, you are making an excellent choice. The appearance, ease of use and efficiency separate it from the competition. It is also important to make a good choice when you choose the accumulator water storage tank.

AQUALUX TEKNIK ACCUMULATORS

Aqualux Teknik is the best choice if you are thinking of combining your wood firing with solar panels now or in the future. Aqualux Teknik tanks offer superior stratification-retaining properties compared to a standard tank. The buffer capacity is 15-20% higher than a good coil tank. Thanks to unique functions such as diffusers, Aqualux Teknik maintains its position as the leading accumulator on the market. Three different sizes to choose from.

Order our catalogue on combining heating. It contains all the information you need to read to understand how important it is to choose a really good accumulator tank.
Wood firing need not be any more difficult than you make it. Some people like to collect their own wood and enjoy spending time in the forest. Others get together with neighbours and use machinery. This makes the job really fast and easy. If you want to make things even easier for yourself, you can buy split wood. Whichever approach you take, wood firing is one of the most economical ways to heat your house.

Solar panels have become popular. Then there is no need to fire your boiler throughout the warm half of the year. The sun takes care of your hot water from April to September. Order our catalogue!
Minimum distance between rear of boiler and wall is 250 mm.

Flue pipe

- Standard
- Flue pipe upwards, accessory
Overview

1. Flue pipe connection.
2. Cooling coil, DN 15.
3. Expansion connection/safety valve/Rp 1”.
4. Return from accumulator tank/drain, Rp 1 1/4”.
5. Connection, sensor for thermal valve (STW), Rp 1/2”.
6. Flow line to accumulator tank, Rp 1 1/4”.
   Can be used as lifting sleeve.
7. Adjustable foot bolts.
8. Drain, Rp 1/2”.
10. Box with boiler’s electronics.
11. Upper flue gas tubes, 4, with turbulators.
12. Lower flue gas tubes, 4, with turbulators.
13. Resetting the max. temperature thermal relay (STB).
15. Air plates, detachable.
16. Wood store.
17. Grate.
18. Ceramics.
19. Rear cover plate, detachable.
20. Front cover plate, detachable.
21. Display/control panel.
22. Soot hatch.
23. Bypass damper.
24. Wood filling/soot hatch.
25. Latch, wood filling hatch.
27. Latch, ash hatch.
28. Opening for LPG ignition.
30. Motor/damper, primary air.
31. Motor/damper, secondary air.
33. Flue gas temperature sensor.
34. O2 probe.
35. Mains connection, 115 V–.
36. Supply, 115 V–, flue gas fan.
37. Supply, 115 V–, charging pump.
38. Fan.

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tr>
<td>Weight</td>
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<tr>
<td>Empty</td>
<td>478 kg</td>
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<tr>
<td>Full of water</td>
<td>620 kg</td>
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<tr>
<td>Water volume</td>
<td>140 litre</td>
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<tr>
<td>Fuel: Wood</td>
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<tr>
<td>Length</td>
<td>140 litre</td>
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<tr>
<td>Wood store</td>
<td></td>
</tr>
<tr>
<td>Volume</td>
<td>100 litre</td>
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<tr>
<td>Depth</td>
<td>550 mm</td>
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<tr>
<td>Filling hatch</td>
<td></td>
</tr>
<tr>
<td>W x H</td>
<td>350 x 265 mm</td>
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<tr>
<td>Power</td>
<td></td>
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<tr>
<td>Nominal</td>
<td>35.8 kW</td>
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<tr>
<td>Chimney requirements</td>
<td></td>
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<tr>
<td>Height</td>
<td>≥5 m</td>
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<tr>
<td>Draught</td>
<td>-0.15 mbar</td>
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<tr>
<td>Diameter</td>
<td>150 mm</td>
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<td>Accumulator volume</td>
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<td>Min.</td>
<td>1500 litre</td>
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Subject to printing and proofreading errors
Flue pipe

Standard

Flue pipe upwards, accessory

Minimum distance between rear of boiler and wall is 250 mm.

Subject to printing and proofreading errors
Overview

1. Flue pipe connection.
2. Cooling coil, DN 15.
3. Expansion connection/safety valve/Rp 1”.
4. Return from accumulator tank/drain, Rp 1 1/4”.
5. Connection, sensor for thermal valve (STW), Rp 1/2”.
6. Flow line to accumulator tank, Rp 1 1/4”.
   Can be used as lifting sleeve.
7. Adjustable foot bolts.
8. Drain, Rp 1/2”.
10. Box with boiler’s electronics.
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12. Lower flue gas tubes, 4, with turbulators.
13. Resetting the max. temperature thermal relay (STB).
15. Air plates, detachable.
16. Wood store.
17. Grate.
18. Ceramics.
19. Rear cover plate, detachable.
20. Front cover plate, detachable.
21. Display/control panel.
22. Soot hatch.
23. Bypass damper.
24. Wood filling/soot hatch.
25. Latch, wood filling hatch.
27. Latch, ash hatch.
28. Opening for LPG ignition.
30. Motor/damper, primary air.
31. Motor/damper, secondary air.
33. Flue gas temperature sensor.
34. 02 probe.
35. Mains connection, 115 V~.
37. Supply, 115 V~, charging pump.
38. Fan.

Weight
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<tr>
<th></th>
<th>empty</th>
<th>full of water</th>
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<td>560 kg</td>
<td>730 kg</td>
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Water volume

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<td>170 litre</td>
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Fuel: Wood

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<td></td>
<td>170 litre</td>
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Wood store

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<td></td>
<td>140 litre</td>
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<tbody>
<tr>
<td></td>
<td>550 mm</td>
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Filling hatch

<table>
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<th>w x h</th>
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<tbody>
<tr>
<td></td>
<td>350 x 325 mm</td>
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Power

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<td></td>
<td>47 kW</td>
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Chimney requirements

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<tr>
<td></td>
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<td>-0.15 mbar</td>
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<tbody>
<tr>
<td></td>
<td>150 mm</td>
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</table>

Accumulator volume

<p>| | |</p>
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<tr>
<td></td>
<td>min. 3000 litre</td>
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Subject to printing and proofreading errors
Vedolux 650 RSK 622 20 05

Minimum distance between rear of boiler and wall is 250 mm.

Flue pipe
Standard

Flue pipe upwards, accessory
Overview

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<td></td>
<td>full of water</td>
<td>930 kg</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Water volume</th>
<th>200 litre</th>
</tr>
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</table>

| Fuel: Wood              | length      | 500 mm |
|-------------------------|-------------|
| Wood store              | volume      | 200 litre |
|                         | depth       | 550 mm   |

| Filling hatch           | w x h       | 400 x 420 mm |
|-------------------------|-------------|

| Power                   | nominal     | 65 kW |
|-------------------------|-------------|

| Chimney requirements   | height      | ≥5 m    |
|                        | draught     | -0.15 mbar |
|                        | diameter    | 180 mm  |

| Accumulator volume     | min.        | 3500 litre |
|------------------------|-------------|

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