

The expert for wood.



**SilvaWIN Klassik – the giant among the small-size systems.**

**SilvaWIN Klassik – wood gasification boiler**

Performance range: 9.7 to 24.6 kW

Suitable fuels:

1/3 m split logs, unprocessed, residual wood.

# Modern heating with wood.

## Clever technology for increased comfort.

With the SilvaWIN Klassik wood gasification boiler, WINDHAGER ZENTRALHEIZUNG is once again proving its high level of expertise in the field of wood heating systems. Behind the attractive, modern design lies top-class boiler technology that leaves nothing to be desired when it comes to modern wood heating. Whether it comes as a single boiler with accumulator tank or in combination with other heat generators, the SilvaWIN Klassik impresses with its optimum energy use and unique wood heating comfort.

- 1 The induced draught fan included as a standard accelerates the heat-up process, and supports the controlled combustion.
- 2 Long-lasting, heavy-duty "thermal probe" for the "Thermocontrol" combustion regulation system.
- 3 Firing cylinder "CarboFlam" made of silicon carbide ensures a clean combustion as a high-temperature burn-out zone, and therefore keeps the amount of dirt in the boiler to a minimum.
- 4 Cleaning openings on the sides enable the burnt residue to be removed easily.
- 5 An integrated secondary air pre-heating system provides stable, reliable combustion.
- 6 Despite its compact dimensions, there is a large filling chamber available for 1/3 m of billet wood. This ensures long burning times.
- 7 Two automatic, infinitely variable servomotors provide the best possible primary and secondary air flow in any operating condition.
- 8 Large filling door for easy loading from the front.
- 9 Blower-supported carbonisation gas extraction ensures smoke-free and odour-free refuelling.
- 10 The MES control system and simple extensions can be installed at any time.
- 11 With its illuminated full-text display, InfoWIN offers simple operation and monitoring.
- 12 The "Thermocontrol" combustion regulation system ensures the best combustion conditions by acting as a "control room" with ongoing coordination and monitoring.

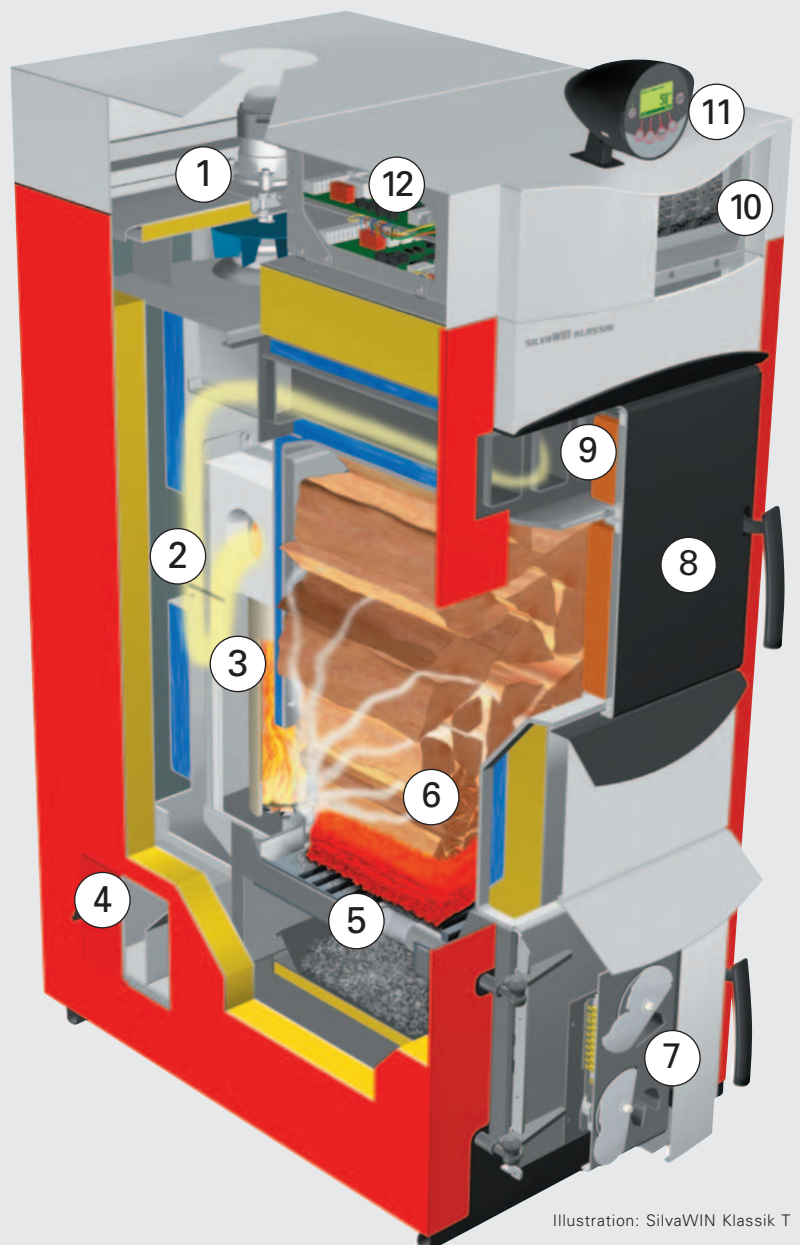
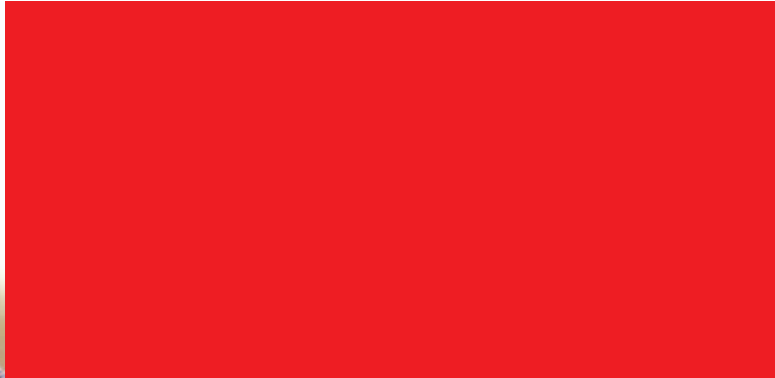


Illustration: SilvaWIN Klassik T



## Real strength comes from inside.

The SilvaWIN Klassik looks small and compact from the outside, but when it gets going, it shows its real strength. With its unique standard fittings (see boiler cross-section) and the system components which are optimally tuned to each other, the SilvaWIN Klassik is particularly reliable and safe to operate. It also stands out by offering some important advantages:

- **Warmth at the touch of a button.**

Thanks to its unique automatic heat-up procedure, the SilvaWIN Klassik heats particularly easily and quickly. After just a few minutes, the boiler burns stably and you can relax and leave it to carry on heating by itself.

- **Simple, clear operation.** ⑪

All important information needed to operate your heating system can simply be called up on the InfoWIN operating unit, with an illuminated, full-text display (only with the SWK-T).

- **Clean and efficient.** ⑨

The integrated carbonisation gas extraction system ensures clean, smoke-free refuelling. With its induced draught fan ①, which is installed as a standard, it ensures the best possible combustion with optimum energy use.

- **Long burning times.**

When it comes to heating up, the SilvaWIN Klassik is one of the fastest boilers around. However, it takes a particularly long time for the wood to burn fully. Behind the compact design lies a large filling chamber, which allows you to enjoy long heating periods before the next refuelling.

- **High safety levels.**

Windhager Zentralheizung offers a 5-year full guarantee on the SilvaWIN Klassik, providing the guarantee conditions are met, and in so doing, provides the best indication for the high quality of this wood gasification boiler.



# Comfort when you need it.

## An added extra for comfort and for the environment.

The right choice of the accumulator tank plays an important role when heating with wood. Every heating system must be large enough to cope with the coldest days of the year. During most of the heating period, however, only part of the heat produced is required immediately. CaloWIN tanks ensure that no valuable energy is lost by storing the excess heat and releasing it back into the heating system or the hot-water tank as required. As a result, you can get through the day with fewer heating intervals, and can benefit from your heating in the optimum operating condition for longer. Another advantage of using the buffer is the cosy warmth which is still there early in the morning, without having to start heating up.

When considering the size of the heat accumulator, you should always consider the following:

- The buffer size depends on the boiler capacity, the size of the filling chamber, the heating requirements of the building, and the number of times you wish to replenish the fuel stock. You can obtain further information from your expert PARTNER.
- Federal state regulations and conditions for financial support.
- The incorporation of solar energy (e.g. CWP1000 with integrated fresh hot water preparation and two solar-powered indirect coil heaters).
- The fuel used (hard woods, soft woods, etc.).

## Cost-effective and environmentally sensitive.

If you decide to opt for the SilvaWIN Klassik, you are also making a valuable contribution to the protection of the environment. Burning wood releases no more than exactly the same amount of carbon dioxide (CO<sub>2</sub>) as was absorbed by the trees from the air during their growth.



CO<sub>2</sub> - neutral



## Systematic warmth.

"Every chain is only as strong as its weakest member". That's why the systematic thinking at WINDHAGER ZENTRALHEIZUNG plays such an important role. All components are perfectly tuned to each other, guaranteeing excellent efficiency, environmentally friendly operation and maximum heating comfort. That's why the SilvaWIN Klassik is excellently suited for combination with other heat generators, such as a pellet or oil-fired boiler. However, the SilvaWIN Klassik also provides efficient, comfortable wood heating as a single boiler in conjunction with an accumulator tank. And all this with reassuring back-up from the experts, since WINDHAGER ZENTRALHEIZUNG offers a unique function guarantee on all systems.



# Winning values.

## Individual solutions for every need.

Depending on the level of comfort or type of use you require, the SilvaWIN Klassik is available in the "T" version with fully automated Thermocontrol combustion regulation, or the "M" version with manual combustion regulation.

	SilvaWIN Klassik T	SilvaWIN Klassik M
<b>Recommended use</b>	1. Operation with accumulator tank. 2. Combination with additional heat generator.	1. Operation with accumulator tank. 2. Combination with additional heat generator and buffer.
<b>Operation</b>	Modulating between 50 and 100 % of the rated output.	Full load operation
<b>Display</b>	InfoWIN with full-text display	Analogue display
<b>Combustion regulation</b>	Electronic using the Thermocontrol combustion control with thermal probe and servomotors	Mechanical combustion controlling mechanism
<b>MES-Control system</b>	Possible in the boiler	In the wall housing if required by the customer

## Technical data

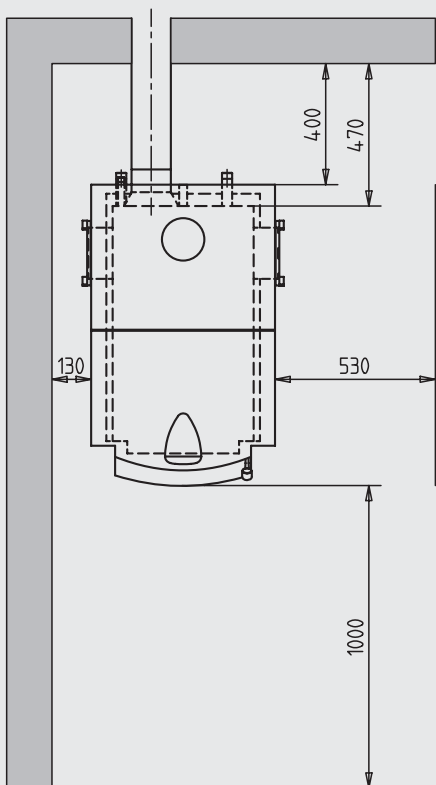
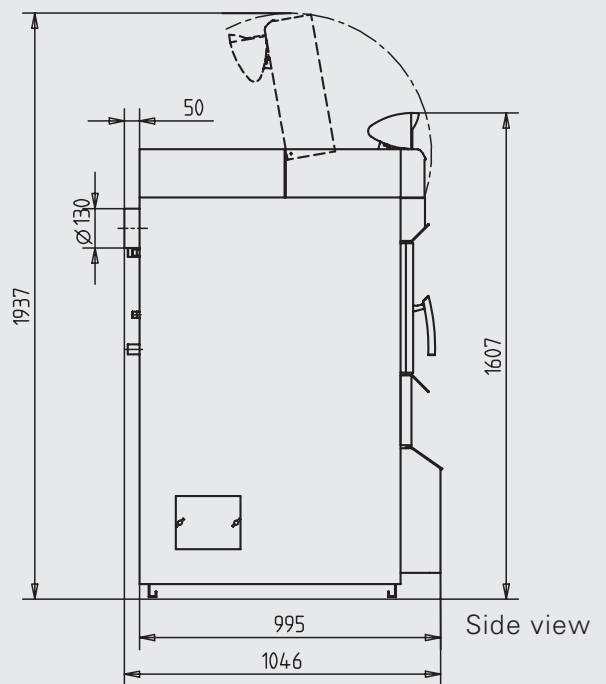
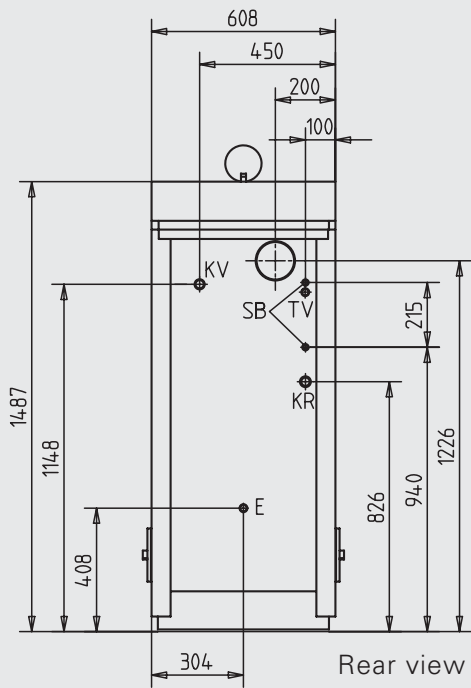
SilvaWIN Klassik wood gasification boiler		SWK170T	SWK240T	SWK240M
Rated output range	kW	9.7 – 17	12.3 – 24.6	24
Boiler efficiency	%	90.2	90.1	90.2
Flow temperature max./min.	°C	100/65	100/65	100/65
Return temperature min.	°C	45	45	45
Boiler water volume	l	65	65	65
Filling chamber	l	92	92	92
Weight	kg	360	360	360
Installation dimensions (W x D x H)	mm	630 x 1.050 x 1.460		
Draught requirement	mbar	0.05	0.05	0.05
Flue gas temperature rated load*	°C	182	195	208
Electrical connection	W	120	120	60

\*measured in the flue outlet.

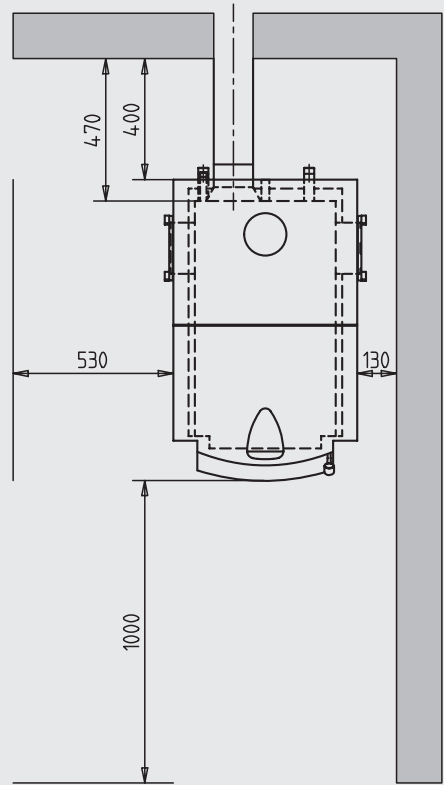


## Dimensional sketches.

All measurements in mm.



Minimum clearance –  
View from above



[www.windhager.com](http://www.windhager.com)

## Windhager provides more than first-class products:

### Quality consulting from our expert partners.

You can obtain WINDHAGER ZENTRALHEIZUNG products from our expert PARTNERS. Our partners are experienced heating specialists who work in close professional cooperation with WINDHAGER ZENTRALHEIZUNG to achieve the best results for our customers.

### Professional customer service network.

Perfect customer service is one of the mainstays of WINDHAGER's success. Our professional customer service network guarantees the best customer care every day. Our customer service technicians are experienced professionals who work quickly and reliably, without bureaucratic fuss.



Your expert partner:

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### Austria:

Windhager Zentralheizung GmbH  
A-5201 Seekirchen near Salzburg  
Anton-Windhager-Straße 20  
Tel. +43 (0) 62 12/23 41-0  
Fax +43 (0) 62 12/42 28  
E-Mail [info@at.windhager.com](mailto:info@at.windhager.com)

Windhager Zentralheizung GmbH  
A-1230 Vienna  
Carlberggasse 39  
Tel. +43 (0) 1/869 43 28  
Fax +43 (0) 1/865 13 81  
E-Mail [info@at.windhager.com](mailto:info@at.windhager.com)

### Germany:

Windhager Zentralheizung GmbH  
D-86405 Meitingen near Augsburg  
Deutzing 2  
Tel. +49 (0) 82 71/80 56-0  
Fax +49 (0) 82 71/80 56-30  
E-Mail [info@de.windhager.com](mailto:info@de.windhager.com)

Windhager Zentralheizung GmbH  
D-04509 Delitzsch near Leipzig  
Heinrich-Rudolf-Hertz-Straße 2  
Tel. +49 (0) 3 42 02/723-0  
Fax +49 (0) 3 42 02/723-30  
E-Mail [info@de.windhager.com](mailto:info@de.windhager.com)

Windhager Zentralheizung GmbH  
Gewerbepark 18  
D-49143 Bissendorf  
Tel. +49(0) 54 02/70 1 40-0  
Fax +49(0) 54 02/70 1 40-9  
E-Mail [wdw@windhager.com](mailto:wdw@windhager.com)

### Switzerland:

Windhager Zentralheizung Schweiz AG  
CH-6203 Sempach-Station near Luzern  
Industriestrasse 13  
Tel. +41 (0) 41/469 469-7  
Fax +41 (0) 41/469 469-9  
E-Mail [info@ch.windhager.com](mailto:info@ch.windhager.com)

### Italy:

Windhager Italia S.R.L.  
Via Ungheresca sud  
31010 Mareno di Piave (TV)  
Tel. +39/04 38/49 91 43  
Fax +39/04 38/49 78 84  
E-Mail [info@windhager.it](mailto:info@windhager.it)