

A breath of fresh air for wood

# LogWIN

Wood gasification boiler

Output: 13 to 50 kW

Suitable fuels: 1/3 m and 1/2 m split logs,  
unprocessed residual wood, wood briquettes

windhager

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HEAT WITH VISION



Wood



# A breath of fresh air

**LogWIN**

## The new standard in the stainless steel class

Heating with wood has renewed popularity due the huge advances in technology. Modern wood heating systems are efficient, enviromentally friendly and extremely comfortable.

Windhager, with its consistent development work and decades of experience, has made a significant contribution to this development. True to its motto "Continuously improving on success and further developing proven technology", Windhager is again setting the standard for modern heating with wood with the new LogWIN. A system in the new stainless steel class that in many ways far exceeds traditional wood heating systems.



### LogWIN – all the advantages at a glance

#### DURABLE AND RELIABLE

- A rust-resistant filling chamber made of stainless steel is the standard in corrosion protection
- Patented, modular combustion chamber

#### CONVENIENT

- Largest filling chamber of its class (176/226 litres for 1/3 m and 1/2 m split logs) ensures very long burning times
- Embers kept for long periods and simple refilling without having to heat up again thanks to large accumulator mass of filling chamber hearth blocks
- Simple, clean ash removal with the attachable ash trap
- Automatic ignition for independent maintenance intervals and simple heating up

#### ECONOMICAL AND ENVIRONMENTALLY FRIENDLY

- Low-cost operation as the design features only non-wearing parts
- State-of-the-art LambdaTherm combustion control ensures long-lasting, efficient and clean combustion, even with varying fuel quality



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## The best of two combustion-regulation systems

### Lambdasensor + Thermocontrol = LambdaTherm

In order to guarantee clean, efficient combustion despite varying fuel quality, Windhager has combined proven Thermocontrol regulation with a Lambda probe.

#### The advantages for you

- Long-term, clean, efficient combustion
- Improved burnout characteristics and long maintenance intervals
- Additional protection against over-firing the boiler

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## The combustion fan included as standard accelerates the heating process, and supports controlled combustion.

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## Corrosion free stainless steel combustion chamber

Burning wood releases organic acids that can severely corrode the filling chamber. Filling chambers made of conventional steel can suffer up to 0.6 mm of degraded wall thickness per year of operation. Stainless steel, on the other hand, is considered the most resistant and durable material for constructing boilers and therefore offers long-term protection against corrosion.

#### The advantage for you

- Provides long boiler life

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## A Lambda sensor in addition to Thermocontrol regulation

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## Patented modular combustion chamber

The combustion chamber is the heart of a wood gasification boiler and must meet many criteria. On one hand, proper thermal insulation is essential for efficiency, on the other hand, the chamber must also withstand enormous thermal and mechanical forces. In order to fulfil these requirements Windhager have developed a modular, sturdy combustion chamber to meet these demands.

#### The advantage for you

- Optimal operational characteristics plus long life

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## A long-lasting, heavy-duty “thermal probe” is a component of the LAMBDATEM regulation system

# The best of nature and technology

## 7 Automatic ignition

The LogWIN can be additionally equipped with an automatic ignition. The ignition takes place as desired, either immediately after a heating requirement is signalled (heating circuit or warm water) or after an adjustable lock out time.

### The advantages for you

- More independent maintenance intervals
- Simple and fast heating up (no heating material required)
- Best solar use due to adjustable lock out time
- Cosy warmth even after long absence

## 8 Attachable ash trap allows the ash to be directly removed from the filling chamber to the ash trap. In this way, no dust is stirred up and the boiler room stays clean.

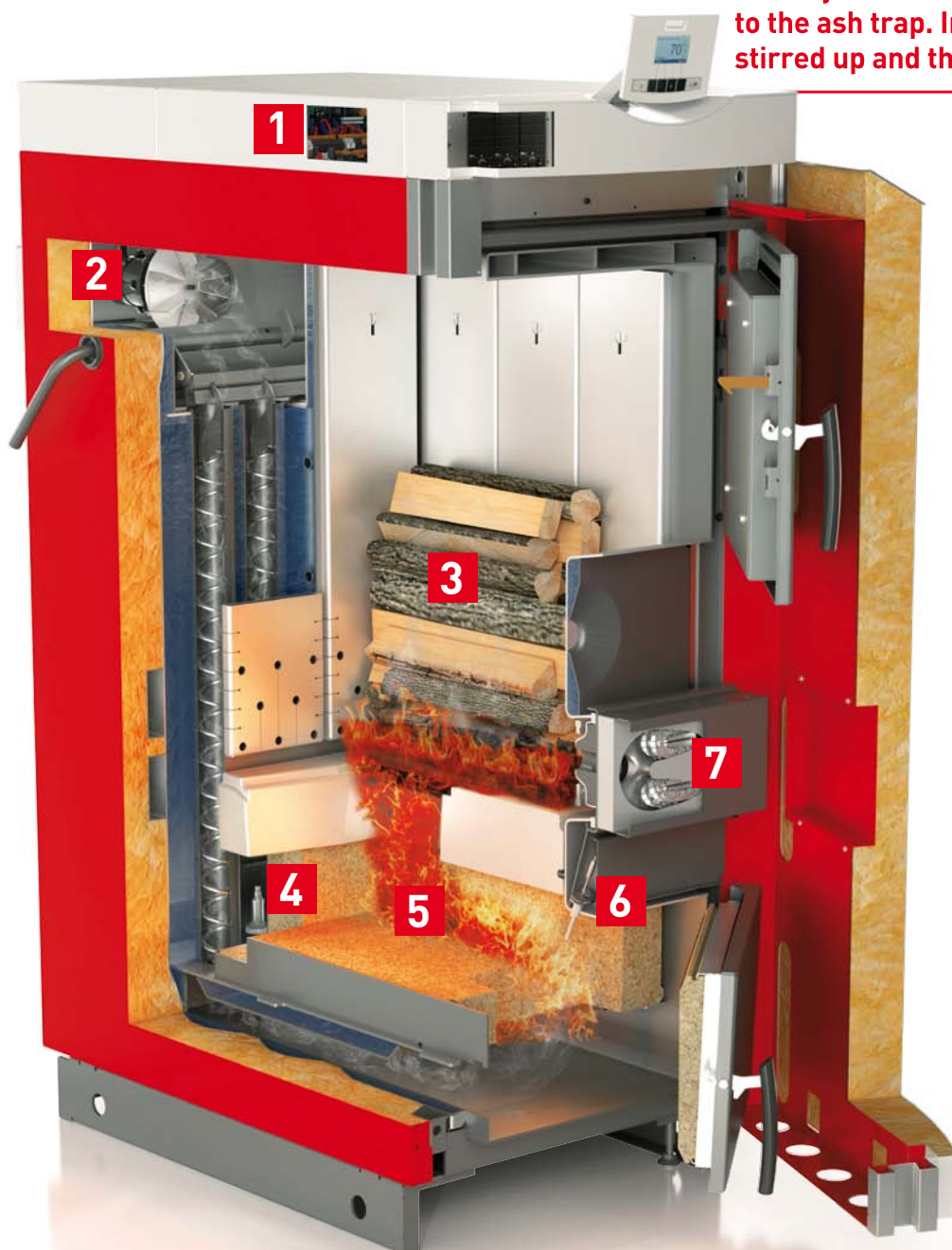


Illustration:  
LogWIN Premium

## Versatile and flexible

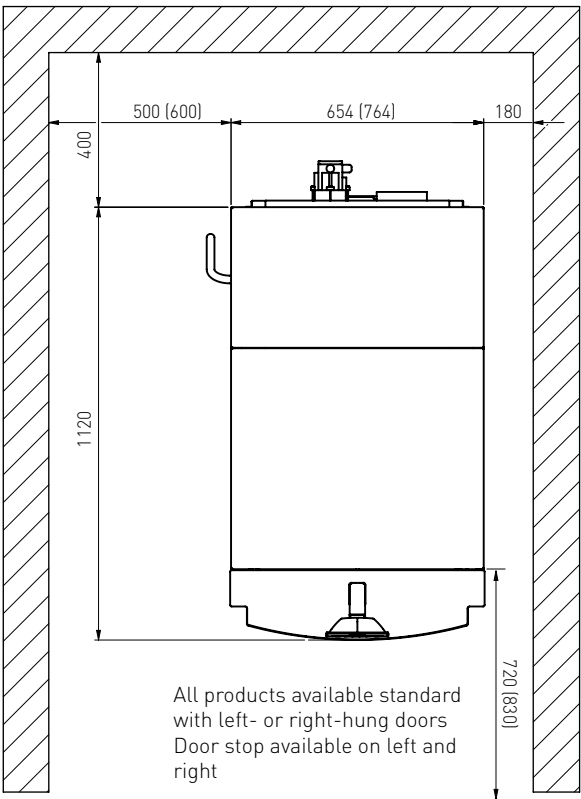
Looking to combine the LogWIN with a solar-heating system? Planning an extension to your heating system? No problem! The LogWIN can handle the operation of single- or multiple-circuit systems, underfloor heating and/or radiators just as easily a combination as with other heat generators. Just like all heating solutions from Windhager, the LogWIN is optimally equipped for use with other systems. So you save both time and money when installing the system.

Incidentally – when it comes to heating, you'll find everything under one roof at Windhager. Windhager provides solutions and components for all fuels and every need. You not only have a single source for all your needs, you have the security that everything will work together perfectly – and that with the unique function guarantee on all Windhager systems.

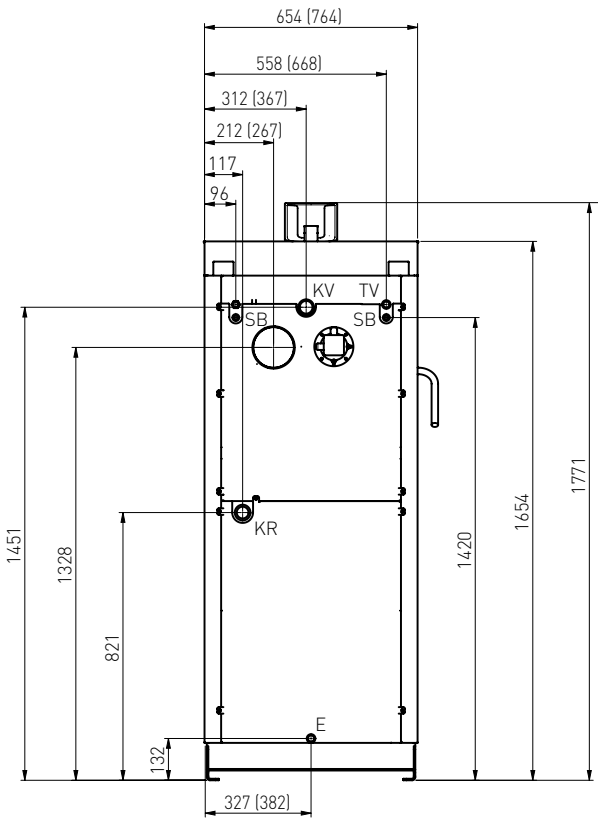


# Warmth when you need it

## LogWIN



Minimum clearances – view from above



Rear view

**Fits through  
any 70 cm door!\***

KR = boiler return 5/4" IG  
KV = boiler feed 5/4" IG  
All dimensions in mm  
Details in brackets apply to LWP 360-500

### Technical data

Type		LWP 180	LWP 250	LWP 300	LWP 360	LWP 500
Nominal thermal output	kW	13–17,4	13–25	13–29,9	24–35,6	24–49,9
Filling chamber volume	Liter	176	176	176	226	226
Minimum transport weight	kg	463	463	463	519	519
*) Installation dimensions WxDxH (without cladding)	mm	640 x 1020 x 1520			695 x 1020 x 1520	
Boiler dimensions WxDxH (with cladding)	mm	654 x 1120 x 1771			764 x 1120 x 1771	
Flue connection	mm	130	130	130	150	150
Flue connection height	mm	1328	1328	1328	1328	1328
Electrical connection	W	47	53	58	60	66



#### **Austria**

Windhager Zentralheizung GmbH  
Anton-Windhager-Straße 20  
A-5201 Seekirchen bei Salzburg  
T. +43 (0) 62 12/23 41-0  
F. +43 (0) 62 12/42 28  
info@at.windhager.com

Windhager Zentralheizung GmbH  
Carlberggasse 39  
A-1230 Wien

Windhager Zentralheizung GmbH  
Tiroler Straße 25  
A-6424 Silz

#### **Germany**

Windhager Zentralheizung GmbH  
Deutzing 2  
D-86405 Meitingen bei Augsburg  
T. +49 (0) 82 71/80 56-0  
F. +49 (0) 82 71/80 56-30  
info@de.windhager.com

Windhager Zentralheizung GmbH  
Heinrich-Rudolf-Hertz-Straße 2  
D-04509 Delitzsch bei Leipzig

Windhager Zentralheizung GmbH  
Gewerbepark 18  
D-49143 Bissendorf

#### **Switzerland**

Windhager Zentralheizung Schweiz AG  
Industriestrasse 13  
CH-6203 Sempach-Station bei Luzern  
T. +41 (0) 41/469 469-0  
F. +41 (0) 41/469 469-9  
info@ch.windhager.com

Windhager Zentralheizung Schweiz AG  
Rue des Champs Lovats 23  
CH-1400 Yverdon-les-Bains

Windhager Zentralheizung Schweiz AG  
Dorfplatz 2  
CH-3114 Wichtrach

#### **France**

Windhager Chauffage Central  
France S.A.S.  
1, rue du Maire Georges Baruch  
Z.A.C. Nord du Rosenmeer  
F-67560 Rosheim  
T. +33 (0)3 88 81 82 17  
F. +33 (0)3 88 95 81 85  
info@fr.windhager.com

#### **Italy**

Windhager Italia S.R.L.  
Via Ungheresca sud  
I-31010 Mareno di Piave (TV)  
T. +39/04 38/49 91 43  
F. +39/04 38/49 78 84  
info@windhager.it

#### **United Kingdom**

Windhager UK Ltd  
Tormarton Road  
Marshfield  
South Gloucestershire, SN14 8SR  
T. +44/12 25/89 22 11  
info@windhager.co.uk

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