Log wood boiler

HDG R

20 kW, 25 kW, 30kW

Comfortable heating. With wood!

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HDG family of products

HDG Log Wood Boiler

HDG Wood Chip Boilers

HDG Pellet Boilers

We will gladly provide you with the information.

Qualität Produkte aus Bayern

To protect our environment, we only use paints that do not contain mineral oils.
Subject to technical changes and corrections.
Version 120208
Type.-Nr. 9980000827
Part number LI036

Wood burning for everyone

Heating with log wood is not just easy and environmentally-friendly, it's also convenient – the HDR R20-30 proves that in a few steps: Open the fuel chamber doors, in with the split logs, close the fuel chamber doors, ignite, and it will be warm within your four walls in no time!

The perfect log wood boiler for cost-conscious and environmentally-friendly households.

Small heating system – great convenience

Easy to follow steps for operation and maintenance

The spacious fuel chamber (147 l), of the otherwise really compact HDG R20-30, enables the split logs to be easily layered from the front. The long burning duration and the subsequent longer refuelling intervals make wood heating convenient as well as time-saving and cost-effective. While the split logs are being loaded, a flue gas suction duct ensures that flue gas cannot escape and that the boiler room remains clean and odours are kept to a minimum.

Similarly, the separate lighting doors make heating up also smoke-free.

The easy-to-clean boiler is also impressive: The built-in verticle cleaning turbulators can be easily used from the side with one hand. The heating surface is regularly cleaned and ensures optimum heat transfer and a constant high level of efficiency as well as low wood consumption. Cleaning openings in the log wood boiler are easily accessible and large. Thanks to the integrated ash pan, the remains of combustion can be quickly and easily disposed of.

Easy, clean and exact

Everything is regulated when burning

HDG R20-30 combustion is designed according to the principle of down firing technology – the burning cycle takes place below. This means that in the HDG R20-30, the combustion gases in the hot combustion chamber which are situated directly below the fuel chamber, are burnt out. This makes a complete burning cycle possible. Depending on the type of wood, the combustion air settings for primary and secondary air are easy to make. The extremely precise controls of the boiler are due to HDG Easy Control regulation. The flue gas fan runs at a set speed and the built-in flue gas temperature sensor controls the HDG R20-30 performance. This enables the boiler output and the combustion to be adjusted to the different operating modes. The control assures a high level of operating convenience and full reliability with low emissions at the same time.

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The most important features at a glance

What are the benefits of the HDG R log wood burner ?

- Easy to fill
- Low space requirement
- Minimal cleaning effort
- Fits in almost any home
- Low emissions
- High quality boiler technology at a reasonable cost

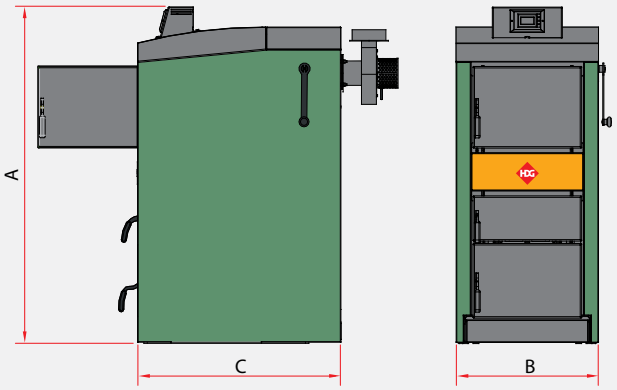
Fuel	Log wood up to half a metre
Output class	20, 25, 30 kW

Heat on demand

This is achieved by the use of an accumulator

To operate the HDG R20-30 efficiently, the correct accumulator system is required. This saves any excess energy generated and releases it again on demand. Particularly in the summer months, just one boiler can heat up domestic hot water for several days. In addition, the appropriate accumulator for the boiler can achieve very long reloading cycles. The logical conclusion: The accumulator increases convenience levels, efficiency and helps to conserve the environment. Depending on requirements, HDG offers stratified storage units with optional solar heat exchangers as well as with optional integrated fresh water treatment.

Technical data



Type of system		HDG R20	HDG R25	HDG R30
Nominal thermal power		20 kW	25 kW	30 kW
Thermal power range			20 – 30 kW	
Boiler efficiency at nominal thermal output:		91.3 %	90.8 %	90.2 %
Boiler class			3	
Maximum permissible operating pressure			3 bar	
Maximum supply temperature			95 °C	
Water content			88 l	
Fuel chamber capacity			147 l	
Weight			510 kg	
Flue draught requirement (Pw)			16 Pa	
Diameter of flue pipe connection			150 mm	
Height of boiler including control unit	A		1488 mm	
Width of boiler	B		630 mm	
Length of boiler	C		901 mm	