



# HDG Euro V3.0

Technical data sheet

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## Technical Data

### Log wood boiler HDG Euro V3.0

Type of boiler	Unit	HDG Euro V3.0 30kW	HDG Euro V3.0 40kW	HDG Euro V3.0 50kW
<b>Performance data</b>				
Nominal thermal power	kW	30,0	40,0	50,0
Minimum thermal power	kW	29,0	29,0	29,0
Boiler efficiency	%	90,6	90,3	89,9
Required auxiliary energy at nominal power	W	175	175	175
<b>Boiler data</b>				
Boiler class		3	3	3
Maximum operating pressure	bar	3	3	3
Maximum flow temperature	°C	95	95	95
Minimum return temperature	°C	60	60	60
Water content	l	178	178	178
Fuelling chamber capacity	l	220	220	220
Weight	kg	979	979	979
<b>Flue connection and chimney data</b>				
Exhaust temperature at nominal output	°C	140	160	180
Exhaust mass flow at nominal load	kg/s	0,0180	0,0240	0,0303
Exhaust temperature at minimum output	°C	120	120	120
Exhaust mass flow at minimum load	kg/s	0,0172	0,0172	0,0172
Flue draught requirement	Pa ("wg)	20 (0,08")	20 (0,08")	20 (0,08")
Diameter of flue outlet	mm	180	180	180
Height of flue connection	mm	1106	1106	1106
<b>Water-side connections</b>				
Flow and return connections	DN (BSP)	32 (1 1/4")	32 (1 1/4")	32 (1 1/4")
Safety heat exchanger connections	DN (BSP)	20 (3/4")	20 (3/4")	20 (3/4")
Drain connection	DN (BSP)	15 (1/2")	15 (1/2")	15 (1/2")
Water-side resistance at nominal power 10K	Pa	2400	2400	2400
Water-side resistance at nominal power 20K	Pa	640	640	640
<b>Boiler room</b>				
Air inlet cross section*	cm <sup>2</sup>	150	150	150

\*Refer to local country regulations.