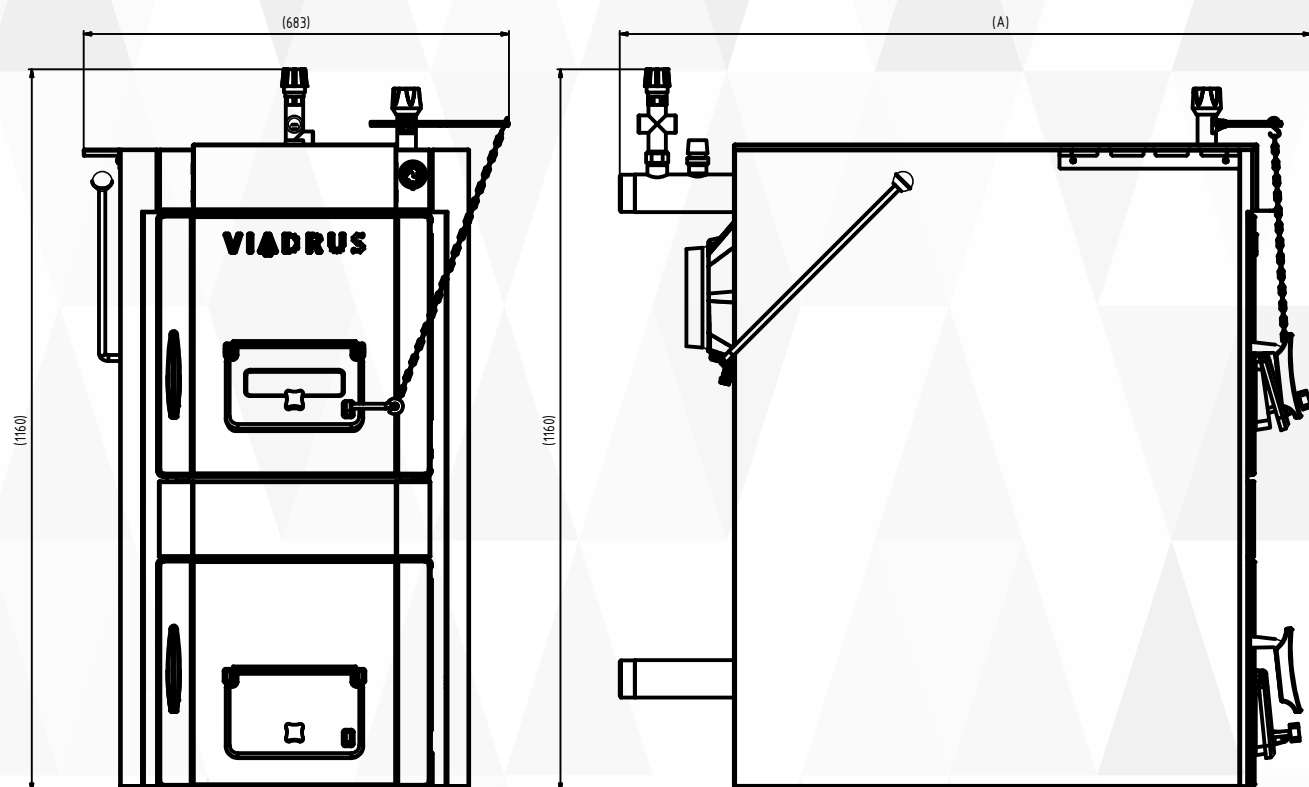


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HERCULES U68 – technical drawing



# VIADRUS

## HERCULES U68

VERSATILE CAST-IRON GASIFYING BOILER | MANUAL FUEL LOADING



**VERSATILE BOILER  
FOR WOOD AND COAL**

### VIADRUS

Your seller

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Errors and omissions excepted.



# HERCULES U68

Pyrolytic cast-iron boiler designed for burning of firewood and coal

The HERCULES U68 is a cast-iron gasifying solid fuel boiler with manual fuel loading serving for the ecological combustion of lump wood and coal. The design of the combustion chamber enables fuel combustion by means of natural flue-gases withdrawal without support of a fan, in warm-water systems with natural and forced circulation of heating medium.

Hercules U68 is an ideal replacement for old boilers with low emission class in heating systems with natural heating water circulation. It fulfill emission class 5 according to EN 303-5 and „Ecodesign”.

Output range (according to size):  
13-35 kW



## Advantages:

- .10 years warranty for heat exchanger
- . efficiency up to 90.9 %
- . low demand for chimney draught
- . meets „Ecodesign”
- . meets emission class 5 according to EN 303-5
- . long life of the Czech-made cast-iron heat exchanger
- . water-cooled fixed grates
- . low fuel consumption
- . easy attendance and maintenance
- . threaded flanges for easy installation
- . low flue gas temperature (ca 140–180 °C)
- . operation independent of electric power supply  
(without forced exhaust of flue gases and without a circulation pump,  
only for systems without heat storage tank)



## Technical specifications

Number of sections	ks	5	6	7	8	9
division by fuel type	•	(wood/brown coal/black coal)				
Energy efficiency class	•	A+ / B / C	A+ / B / C	A+ / C / B	A+ / C / C	A+ / C / B
Rated heating output	kW	14 / 13 / 15	18 / 19 / 21	23 / 22 / 24	27 / 25 / 30	34 / 30 / 35
Efficiency	%	88,3/90,1/90	88,7/88,6/88,5	90,5/90/89,9	90,7/88,6/87,7	90,3/90,9/89,6
Fuel burn rate	kg/h	3,7/2/1,9	4,3/3,6/2,8	5,3/3,7/3,1	6,9/4,6/3,9	8,5/4,8/4,5
Required chimney draught	Pa	14 / 15 / 16	15 / 20 / 19	16 / 26 / 23	18 / 27 / 30	25 / 30 / 35
Maximal fuel weight in firebox	kg	13 / 16 / 16	13 / 16 / 16	18 / 22 / 22	22 / 25 / 25	25 / 29 / 29
Boiler class according to EN 303-5	•	5				
Firebox depth	mm	255	255	365	475	585
Recommended firewood length	mm	350	350	350	350	350
Firebox capacity	l	32	32	45	59	73
Flue gas temperature	°C	140–180				
Dimensions - Height × Width	mm	1160 × 683				
- Depth (A)	mm	890	1000	1110	1220	1330
Dry weight	kg	348	413	458	503	549
Chimney connection diameter	mm	160				
Water capacity	l	40,5	46,5	52,5	58,5	64,5
Heating water temperature range	°C	70				
Return water minimum temperature	°C	50				
Heating / return water connection	•	2"				
Working / testing water overpressure	bar	4 / 8				
Noise level	dB	< 65				