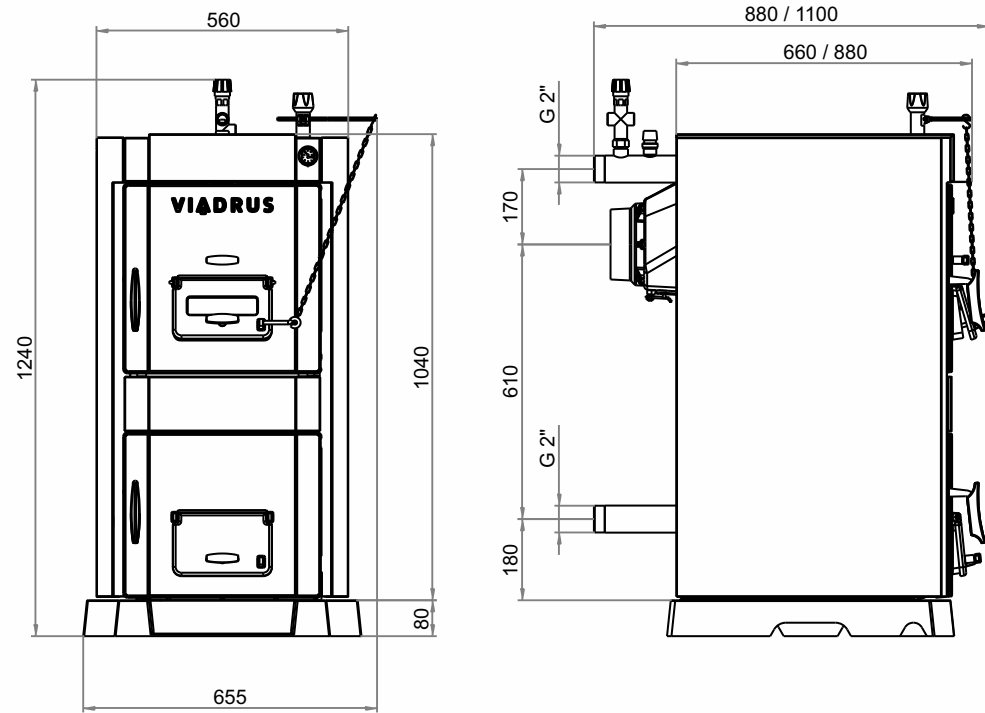


# HERCULES U32

Hercules U32 – technical drawing



Your seller



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PYROLITIC CAST-IRON BOILER | MANUAL LOADING

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# VIADRUS

Heating your home  
since 1888

# Hercules U32

Pyrolytic cast-iron boiler for burning of wood and coal

Hercules U32 is a pyrolytic cast-iron boiler with manual loading design for ecological burning of wooden logs, soft coal and hard coal. The design of the fire box allows burning of fuel with natural draught of flue gases without a draught fan. Boiler block construction together with connection thread size allows to work in heating systems with natural heating water circulation.

**Output range (according to fuel):**  
14-15 kW / 18-20 kW



## Advantages:

- wood logs: emission class 3 of EN 303-5 standard
- soft coal: emission class 4 of EN 303-5 standard
- hard coal: emission class 5 of EN 303-5 standard
- wood and coal burning efficiency up to 89%
- long life of the Czech-made cast-iron heat exchanger
- water-cooled fixed grates
- low demands for chimney draught (approx. 20-25 Pa)
- possibility of natural circulation operation
- easy attendance and maintenance
- threaded flanges for easy installation
- low flue gas temperature (approx. 120-160 °C)
- operation independent of electric power supply (without forced exhaust of flue gases and without a circulation pump)



## Technical specifications

Number of sections	pcs	5	7
Boiler class according to EN 303-5 (hard coal / soft coal / wood)	•	5 / 5 / 3	5 / 4 / 3
Nominal output (hard coal / soft coal / wood)	kW	15 / 14 / 15	18 / 18 / 20
Efficiency (hard coal / soft coal / wood)	%	89,6 / 89,9 / 88,9	88,8 / 82,6 / 86,5
Combustion chamber depth	mm	280	480
Max. combustion chamber capacity (hard coal / soft coal / wood)	kg	18 / 18 / 12	16 / 22 / 16
Fuel consumption (hard coal / soft coal / wood)	kg/h	2,1 / 2,3 / 3,7	3,0 / 3,7 / 5,1
Max. flue gases temperature	°C	130-170	120-160
Dimensions - height × width	mm	1160 × 560	
- depth	mm	880	1100
Weight	kg	348	472
Chimney connection diameter	mm	156	
Min. chimney draught (hard coal / soft coal / wood)	Pa	18 / 18 / 18	25 / 25 / 20
Water volume	l	40,5	52,5
Working range of heating water temperature	°C	60-80	
Return water minimum temperature	°C	60	
Heating / return water connection	inch	G 2"	
Working / testing water overpressure	kPa	400 / 800	
Noise level	dB	<65 dB (A)	