

VIADRUS

Power of heating

Hercules ECO

Automatic cast-iron pellet boiler

Hercules ECO is designed for an environmentally friendly, economical and nearly maintenance-free heating with wooden pellets. The control unit allows automatic operation with modulating boiler output and its menu is very simple and easy to understand. Perfect combustion process control together with cast-iron boiler block and ceramic plates leads to long service life and very low emissions. Hercules ECO obtained prestigious „Environmentally friendly product” certificate which is comparable to similar European certificates. Boiler is equipped with safety thermostat and it is protected against fuel reservoir fire penetration.

Advantages:

- Class 3 of EN 303-5
- automatic operation
- room thermostat compatible
- simple user control menu
- easy connection to various fuel reservoirs
- nearly maintenance-free operation
- low emissions, high efficiency
- variable positioning of standard fuel reservoir
- long service life of cast-iron block
- five years boiler block guarantee

Fuel / fuel humidity:

- wooden pellets, Ø 6~10 mm / <12%

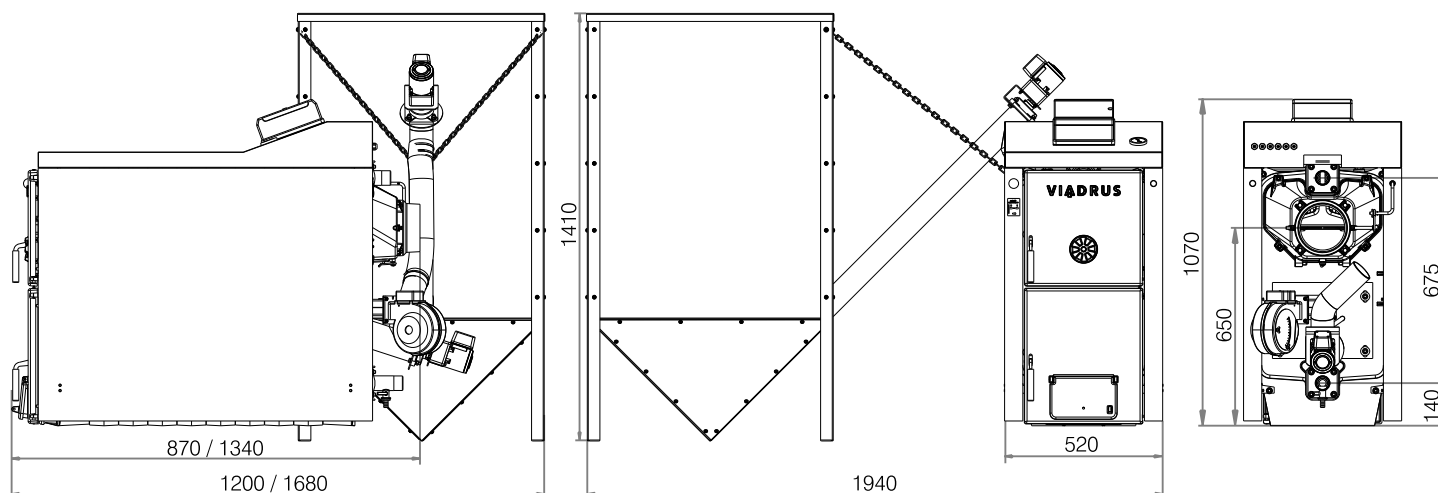
Boiler output (5 / 10 sections):

- 7~24 / 13~42 kW



Technical parameters

Section number	pcs	5	10
Boiler class according to EN 303 - 5	-	3	
Modulating boiler output	kW	7~24	13~42
Stand-by boiler output	kW	1,5	
Fuel consumption	kg/hour	1,8~5,9	3,9~10,8
Fuel consumption at stand-by output	kg/hour	0,37	
Efficiency	%	83,0	84,3
Maximum flue gases temperature	°C	<170	<142
Standard fuel reservoir capacity	kg	470	
Burning time at minimal - rated output	hour	261,0~80,0	120,5~43,5
Dimensions	- height x width	mm	1070 x 520
	- overall depth L	mm	1340
Dimensions including fuel reservoir - height x width x depth	mm	1410 x 1940 x 1200	1410 x 1940 x 1680
Weight without fuel reservoir	kg	441	645
Chimney connection diameter	mm	160	
Chimney draught	Pa	15~25	20~30
Heating and return water connection	-	2"	
Water working overpressure	kPa	50~400	
Water testing overpressure	kPa	800	
Recommended water working temperature	°C	60~90	
Return water minimal temperature	°C	40	
Water volume	l	40,9	64,4
Noise level	dB	<65 dB (A)	
Connecting voltage	-	1 PEN ~ 50 Hz 230 V TN-S	
Maximum electric input	W	230	295
Control box electric protection	-	IP65	



Control unit panel



Set of boiler and standard fuel reservoir



Your dealer