

# 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 European „Environmentally friendly product“. Boiler is equipped with safety thermostat and it is protected against fuel reservoir fire penetration.

#### Advantages:

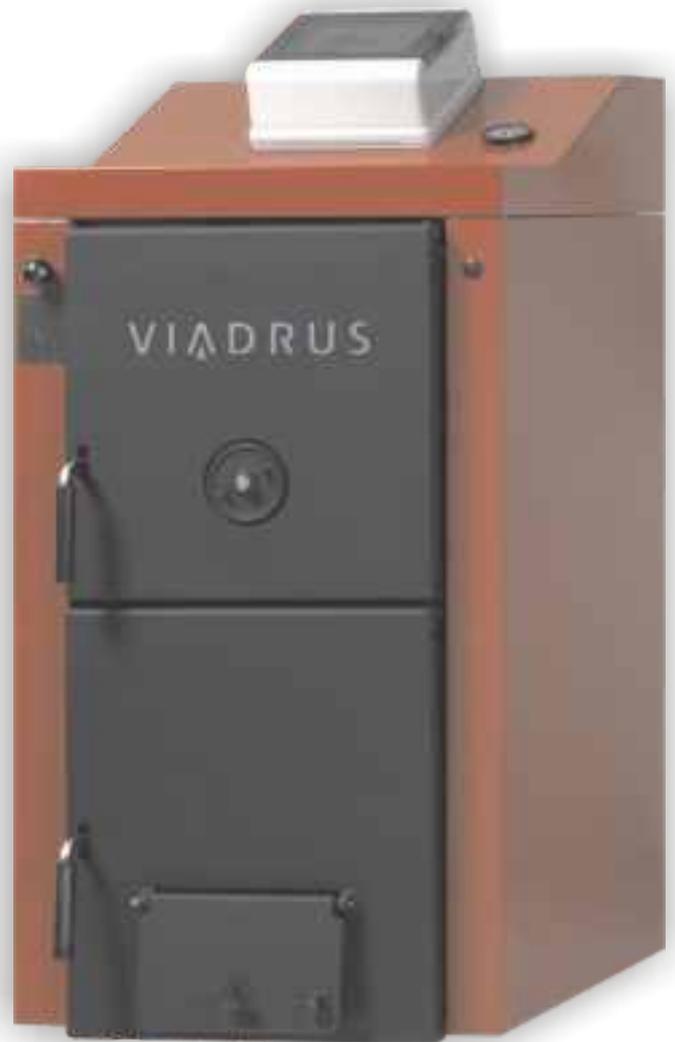
- Class 3 of EN 303-5
- combustion efficiency 83.0~84.3%
- automatic operation
- room thermostat compatible
- simple user control menu
- easy connection to various fuel reservoirs
- nearly maintenance-free operation
- low emissions, high efficiency
- variable positioning of standard fuel reservoir
- long service life of cast-iron block
- five years boiler block guarantee

#### Fuel / fuel humidity:

- wooden pellets, diameter 0,236"~0,394" / < 12%

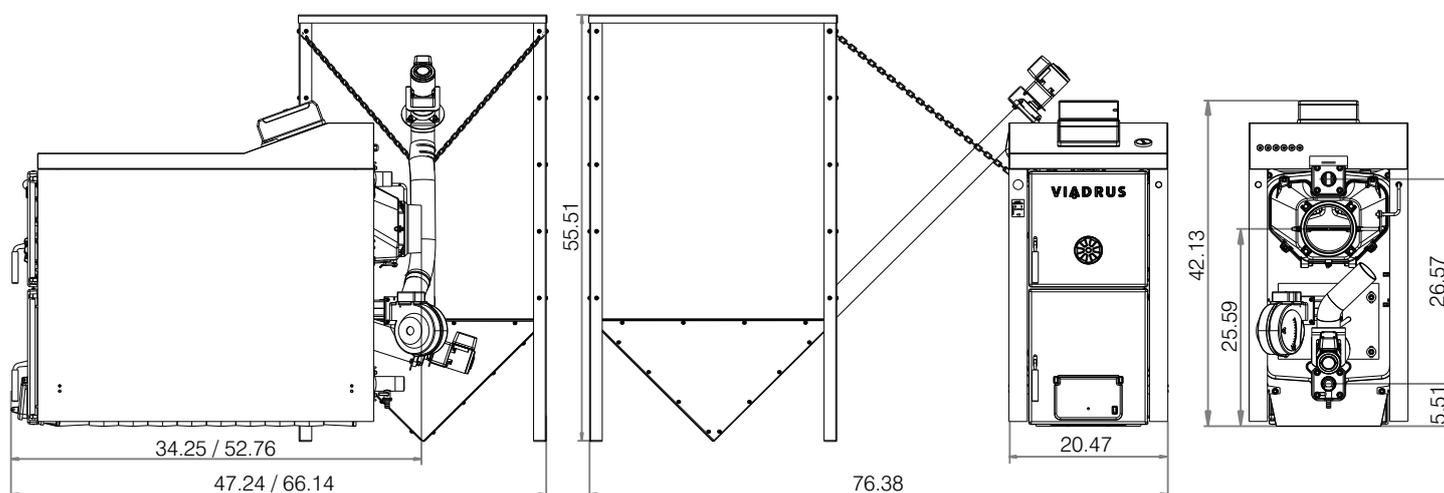
#### Boiler output (5 / 10 sections):

- 23,884~81,888 / 44,356~143,304 BTU/hr



## Technical parameters

Section number	pcs	5	10
Boiler class according to EN 303 - 5	-		3
Modulating boiler output	BTU/hr	23,884~81,888	44,356~143,304
Stand-by boiler output	BTU/hr		5,118
Fuel consumption	lb/hr	3.97~13.01	8.60~23.81
Fuel consumption at stand-by output	lb/hr		1
Combustion efficiency	%	83.0	84.3
AFUE	%	74.8	75.9
Maximum flue gases temperature	°F	<338	<287
Standard fuel reservoir capacity	lb		1,036
Burning time at minimal - rated output	hr	261.0~80.0	120.5~43.5
Dimensions	- height x width		55.39 x 74.52
	- overall depth L	47.93	66.82
Dimensions including fuel reservoir - height x width x depth	in	55.51 x 76.37 x 47.24	55.51 x 76.37 x 66.14
Weight without fuel reservoir	ib	972.23	1,422.97
Chimney connection diameter	in		6.30
Chimney draught	In of H <sub>2</sub> O	0.06~0.10	0.08~0.12
Heating and return water connection	-		2"
Water working overpressure	psi		7.25~58.02
Water testing overpressure	psi		116.03
Recommended water working temperature	°F		140~194
Return water minimal temperature	°F		104
Water volume	gal	10.81	17.01
Noise level	dB		<65 dB (A)
Connecting voltage	-		1 PEN ~ 50 Hz 230 V TN-S
Maximum electric input	W		900
Control box electric protection	-		IP65



Control unit panel



Set of boiler and standard fuel reservoir



Your dealer