

VIADRUS

Power of heating

Ekoret

Automatic solid fuel boiler

The main advantage of Ekoret boiler is automatic operation together with high fuel variability. It means you have more possibilities to choose fuel supplier according to actual fuel prices. Retort burner installed in the base of boiler allows to use granular fuels such as hard coal (peas), soft coal (peas, rice) or wooden pellets. Fuel is supplied to the burner through the screw feeder with advanced protection against fuel reservoir fire penetration. The boilers designed for open heating systems needn't to be equipped with the overheating security device. Standard delivery is with fuel reservoir on the right side of the boiler but it can be switched during the installation.

Advantages:

- Class 3 according to EN 303-5
- high fuel variability
- long service life of cast iron boiler block
- ready for DHW preparation
- room thermostat compatible
- two sizes of fuel reservoir
- left or right position of fuel reservoir

Fuel / fuel humidity:

- hard coal, 10~18 mm / <12%
- soft coal, 10~25 mm / <20%
- wooden pellets, Ø 6~8 mm / <12%

Boiler output (3/5 sections, according to fuel):

- 2,6~15,0 / 6,0~25,0 kW



Technical parameters

Type (section number)			Ekoret 15 (3)	Ekoret 25 (4)
Boiler class according to EN 303 - 5	-		3	3
Modulating output	- hard coal	kW	4,5~15,0	7,0~25,0
	- soft coal	kW	4,5~15,0	7,0~25,0
	- wooden pellets	kW	4,5~15,0	6,0~22,0
Fuel consumption	- hard coal	kg/hour	1,00~2,69	1,22~4,10
	- soft coal	kg/hour	1,10~3,50	1,60~5,45
	- wooden pellets	kg/hour	1,15~4,13	1,73~6,23
Fuel consumption in stand-by mode	- hard coal / soft coal / wooden pellets	kg/hour	0,13 / 0,10 / 0,70	
Efficiency	- hard coal	%	<83,2	<86,4
	- soft coal	%	<84,3	<87,7
	- wooden pellets	%	<84,7	<86,6
Flue gases maximal temperature	- hard coal / soft coal / wooden pellets	°C	<160	<190 / <160 / <200
Fuel reservoir capacity small / big		l	269 / 528	
Burning time at rated output	- hard coal, small / big reservoir	hour	67:40 / 132:50	40:30 / 79:30
	- soft coal, small / big reservoir	hour	52:30 / 103:00	31:20 / 61:30
	- wooden pellets, small / big reservoir	hour	41:50 / 82:10	25:10 / 49:25
Dimensions incl. small reservoir	- overall width L1 x height x depth	mm	1220 x 1590 x 690	
Dimensions incl. big reservoir	- overall width L1 x height x depth	mm	1870 x 1590 x 690	
Weight	- small / big reservoir	kg	359 / 392	385 / 418
Chimney connection diameter		mm	150	
Chimney draught		Pa	10~20	
Heating and return water connection		-	1-1/2"	
Maximal water working / testing overpressure		kPa	250 / 500	
Recommended water working temperature		°C	65~80	
Minimum water inlet temperature		°C	60	
Water volume		l	34,1	45,5
Noise level		dB	<65 dB (A)	
Connecting voltage		-	1 PEN ~ 50 Hz 230 V TN-S	
Maximal electric input		W	230	
Control box electric protection		-	IP20	

