



QUALITY WITHOUT COMROMISE

Radijator
ENGINEERING

Heating **BOILER** serie K

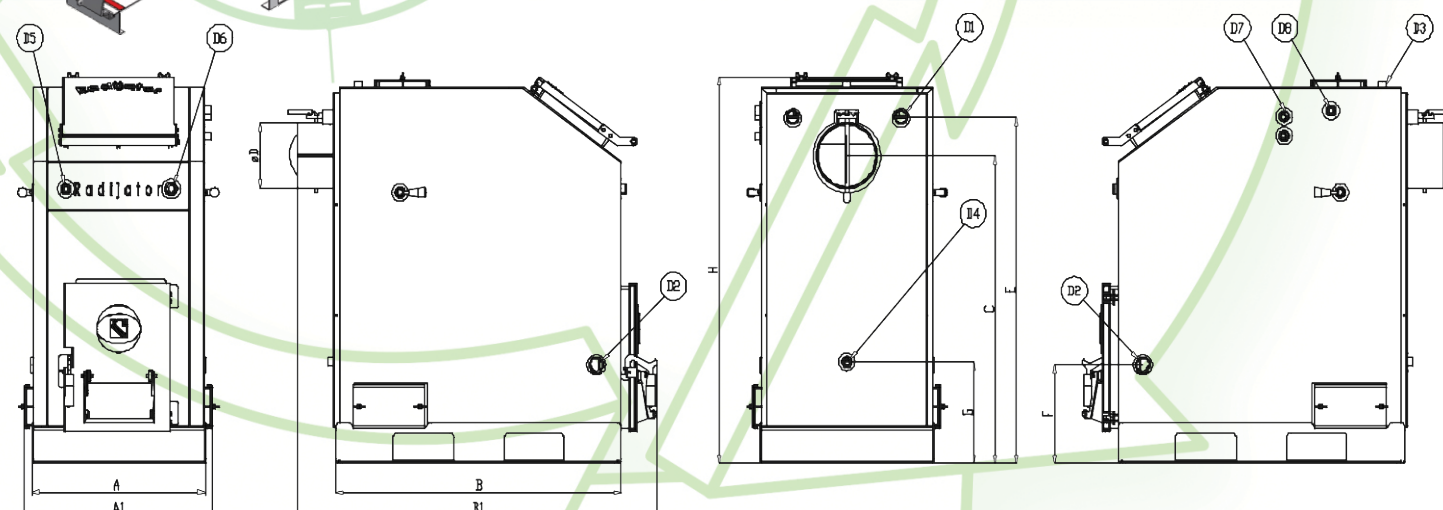
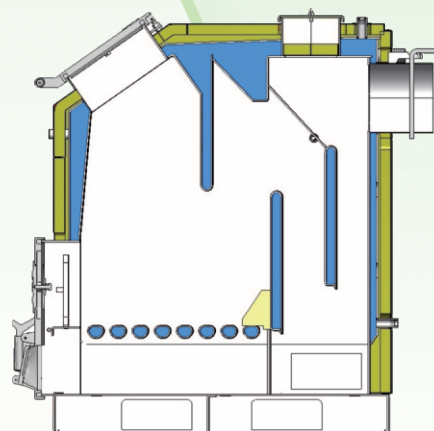


Boilers of this series are made in batches of 18kW to 80kW. For their construction are used sheets 5 mm in the boiler quality standards JUS C1204 and H11 to DIN standard.

The analysis of cross-section of the boiler can be seen that in these boilers exchanger surface is mounted vertically, and that their dimensions and layouts provide a very long time hot flue gases through the boiler. Measurement is established and much lower speed at the exit gases from the boiler and the lower the temperature at the entrance to the chimney in relation to other structures in our production program, and concludes that this structure has the highest efficiency. Boilers K series have a so-called bottom burning, and it is possible to fill the fuel to heating the door themselves without fear of extinguishing the fire. It has a great dish for firewood, so can give all-day use of boilers with one or two charges. In the back of the fireplace are set firebrick. They are heated to temperatures sufficient to burn hard combustion particles in flue gases. The boiler was installed and the copper heat exchanger for connection valves for thermal insurance swelling.

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This construction, when the fuel is wood, reaches a very high efficiency (over 80%), it has shown excellent results in the case of mixing wood and coal, and coal Heating should be avoided whenever its possible because the efficiency is less than "C" series.



Type of boiler	Power	Working pressure	Test pressure	Volume of water in the boiler	Mass of boiler	Requirement air flue	DIMENSIONS									
							A	A1	B	B1	C	D	E	F	G	H
	kW	kPa	kPa	L-cca	kg	Pa	mm									
K18	18	300	450	55	238	17	458	520	790	1015	810	160	940	290	305	1050
K25	25	300	450	72	295	18	528	570	885	1140	910	180	1040	295	305	1145
K33	33	300	450	87	335	20	578	626	955	1200	965	200	1072	305	315	1200
K40	40	300	450	100	326	22	668	726	965	1205	1010	200	1120	305	315	1245
K50	50	300	450	140	449	23	768	786	965	1230	1050	200	1172	310	315	1285
K65	65	300	450	155	525	24	868	928	965	1230	1075	250	1225	315	320	1340
K80	80	300	450	180	555	24	918	974	1010	1280	1075	250	1225	315	320	1340

* We reserve the right to change

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Heating **BOILER** serie FK

This series represents a new chapter in the production of solid fuel heating boiler. This is the first series made in more forces and commercialized for the market, while the main factor of combustion is not a natural draft of chimneys, but drsft Caused by force of centrifugal fan.

Only the external appearance of this series looks like a other boilers that have long been in our production program. However, there is a fundamental difference between these two structures, because the "FK" series exchanger surfaces are deployed so that the boiler with a firebox have a so-called upper combustion. This firebox is appropriate combustion of all types of coal, granulated charcoal, pellets and all types of biomass. The fan is located on the back, but the primary air channels leads forward under fire-place. Also on the upper door there leads to a secondary air combustion features than prevent release of smoke.

The main characteristics of a series of FK: Very high efficiency (close to 90%) provided complete combustion, which provides fan, especially suitable for all types of coal, coal dust, pellets, and biomass. Also because of the fan is able to achieve faster operating temperature and it is almost impossible to come up during the fire fighting operation. One charge is enough fuel for all-day warming, and in favorable conditions even more.

Type of boiler		unit	FK1	FK2	FK3	FK4
Power	kW		15/23	25/33	33/40	40/49,5
Working pressure	kPa		300	300	300	300
Test pressure	kPa		450	450	450	450
Volume of water in the boiler	L-cca		55	72	87	100
Mass of boiler	kg		238	295	326	335
Requirement air flue	Pa		17	18	20	22
Max.radni pritisak	bar		3	3	3	3
Max.temp.hot water	C'		90	90	90	90
Max.temp.cold water	C'		60	60	60	60
Volume for the stock fuel	m ³		0.08	0.09	0.13	0.16
Efficiencies		%	>85	>85	>85	>85
DIMENSIONS	A	mm	458	528	578	668
	A1		516	566	626	686
	B		790	885	955	965
	B1		1164	1260	1326	1326
	C		810	910	965	1010
	ØD		160	180	200	200
	E		940	1040	1072	1125
	F		290	295	305	305
	H		1205	1285	1340	1395
	D1		1"	1"	5/4"	5/4"
	D2	col	1"	1"	5/4"	5/4"
	D3		1/2"	1/2"	1/2"	1/2"
	D4		1/2"	1/2"	1/2"	1/2"
	D5		1/2"	1/2"	1/2"	1/2"

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