

30 years of trust in the experience and professionalism of "LAKAL" Ltd

HEATING INSTALLATIONS

● Built in fireplaces with water jacket **DYNAMIC KA** € Efficiency up to 76.3%



DYNAMIC KA 30

Our product "DYNAMIC KA" is from the series of built in fireplaces with water jacket, manufactured by LAKAL Ltd, with output in the range of 12 to 60 kW.

They are intended for wood or wooden briquettes burning and are suitable for heating apartments, houses, cottages, restaurants, small hotels and various public and private buildings.

The fireplaces are manufactured in compliance with EN-13229 and are intended for open as well as closed heating installations with maximum working temperature of a 85°C and maximum working pressure of 2.5bar.

The body of "DYNAMIC KA" fireplaces is made of 4mm and 5mm thick steel sheet. The combustion chamber has a water jacket, the bottom is with cast iron grate with fireclay tiles.

It works as it takes outside air for combustion and work it through the pipe situated underneath the firebox. (Only for the models of 18 up to 60kW.)

The fireplace door is made of 5mm ceramic glass.



Technical data

		KA 12	KA 18	KA 25	KA 33	KA 40	KA 50	KA 60
Max heating capacity	kW	13-14	19-21	25-28	34-37	40-45	51-56	61-67
Heating capacity of the water shield	kW	11-12	16-18	22-25	30-33	35-40	45-50	54-60
Max working pressure	bar	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Max working temperature of the water	°C	85°	85°	85°	85°	85°	85°	85°
Width	A mm	540	618	698	782	784	1050	1050
Depth	B mm	443	467	551	707	764	784	784
Height	C mm	887	1108	1198	1313	1463	1580	1580
Flue, exhaust pipe	ØD mm	130/150	150	200	250	250	300	300
Height without the flue	L mm	767	995	1085	1200	1350	1468	1468
Dimension of the fresh air inlet	inch	-	Ø76	Ø76	Ø89	Ø108	Ø108	Ø108
Dimension of the water inle	Ød inch	1"	1"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Height of the water inlet	h mm	145	246	245	278	278	295	295
Височина на изход вода	H mm	751	979	1069	1180	1330	1440	1440
Capacity of the water jacket	L	40,4	70	82	160	165	290	300
Weight	kg	128	144	165	220	260	380	440
Efficiency	%	75%	76,3%	74,5%	74%	74%	74%	74%

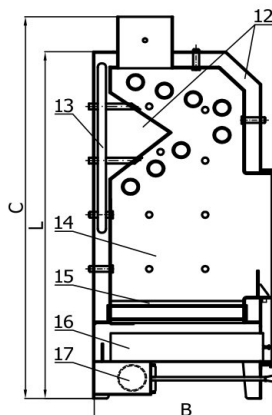
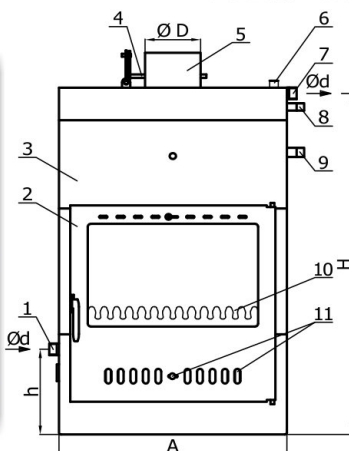


DYNAMIC KA 50

DYNAMIC KA 12, KA 18



DYNAMIC KA 12



CE

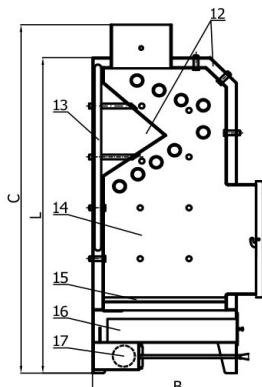
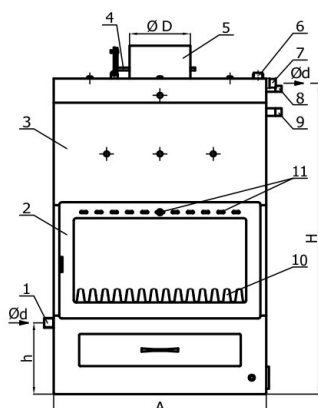


The combustion chamber has large volume which allows the use of larger amounts of wood and as well as bigger in size. For most efficiency in regulating the combustion air, there is a slider in the lower part of the door (12 and 18kW) or the ash pan is used (from 25 to 60kW). Thanks to this technology "DYNAMIC KA" fireplaces maintain optimal operation for a longer time with a single load and nominal performance of 76.3%.

The fact that "DYNAMIC KA" fireplaces are engineered with the capacity to work with closed heating systems, makes them highly efficient and a great solution for auxiliary source attached to an already installed system with gas, oil or electrical boiler. Switching between the different heating systems works automatically through thermostats and three way valves, providing bigger fuel economy with maximum convenience in the exploitation.

The series KA 12, 18, 25, 33 and 40 are equipped with a single-plane door. KA 50 and 60 have 2-plane doors.

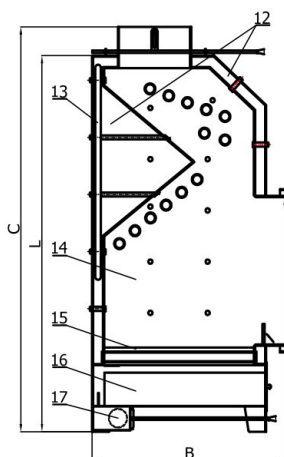
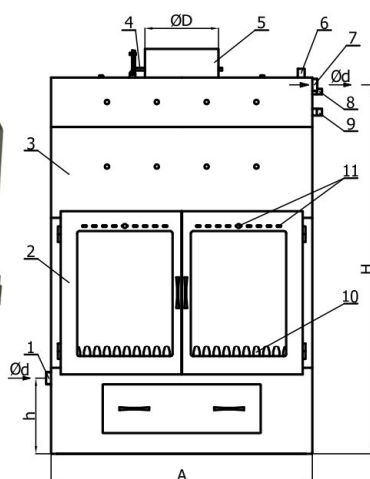
DYNAMIC KA 25, KA 33, KA 35, KA 40



LEGEND:

1. Inlet - cold water
2. Ceramic glass door
3. Body
4. Flue pipe valve
5. Flue pipe
6. Probes position for the control panel
7. Outlet - hot water
8. Outlet - cooling coil
9. Inlet - cooling coil
10. Safety rake
11. Openings for combustion air with sliding door
12. Water jacket
13. Cooling serpentine (optional)
14. Combustion chamber
15. Bottom - cast iron grid and fireclay tiles
16. Ash pan
17. Air inlet valve /without KA12/

DYNAMIC KA 50, KA 60



All built in fireplaces are equipped with control panel with:

- Thermometer
- Pump thermostat
- Signal light – indicating the pump operation
- Fuse

"LAKAL" EOOD has been on the Bulgarian market for 30 years. The main field of operation is design, manufacturing, import and installation of heating and solar systems. The company has a team of highly qualified technicians, supplied with modern equipment that operate throughout the country. Since 1999 "LAKAL" has its own design and development department that constructs and manufactures steel combined solid fuel and pellet boilers with outputs 25, 35, 55kW, fireplaces with water shield from 10 up to 60kW.

The company is an authorized dealer and offers a whole range of necessary materials and equipment for your heating installation – pellet, oil and gas boilers, oil, gas and pellet burners, radiators, armature and press fittings, pipe heat insulation, wall mounted and condensed boilers.

Trust the experience and professionalism of our experts and "LAKAL" will take care of your comfort!

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