

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

## HEATING INSTALLATIONS

### ● SOLID FUEL BOILERS **DYNAMIC**

The **DYNAMIC** boilers are produced by the company of "LAKAL" Ltd., Plovdiv and are designed for heating residential buildings, office blocks, villas and production facilities with heating volume up to 800 cubic meters. Said boilers operate on solid fuel – wood or coal.

They are designed for heating installations with maximum temperature of the water up to 90°C.

The **combustion chamber** has a rectangular shape, manufactured using a high quality steel. ACr.3. The thickness of the water jacket steel plate is 5mm.

The **volume of the combustion chamber** ensures 8 to 9 hours of continuous operation at one charge should there be enough fuel. A water-cooled grate of seamless steel pipes lies at the bottom of the chamber ensuring larger heating surface.

There are a number of flue pipes at the top of the combustion chamber. This would guarantee a larger heating surface, a better draught, less sooting-up, easier maintenance and maximum **efficiency of 75 %**.

The **face of the boiler** is equipped with two doors big enough to easily load even voluminous logs or lumps of coal.

Remove the ash using the lower door. There is an additional small door /valve/ connected with the mechanical thermostat. It controls and regulates the fresh air flow for the burning process.

The **decorative covers** of the boilers are electrostatically painted and insulated with 50 mm rock wool with aluminum foil.

The boilers have been **tested and certified** and comply with the requirements of the Bulgarian State Standard EN 303-5:2001.

CE

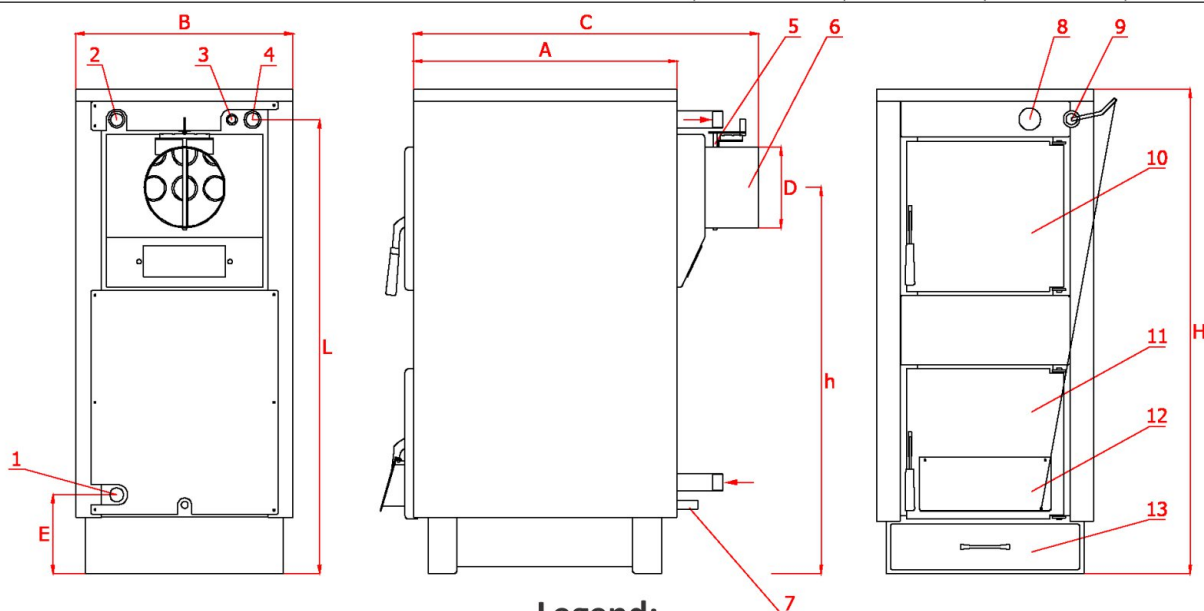


#### The set includes:

1. Boiler
2. Insulated decorative covers  
*/packed in separate boxes/*
3. Mechanical thermostat for the fresh air  
*/packed with the covers/*
4. Thermometer axial 120°C  
*/packed with the covers/*

## TECHNICAL DATA

		Dynamic 15	Dynamic 25	Dynamic 35	Dynamic 55
Thermal power of the boiler	kW	15	25	33-38	50-55
Max working pressure	bar	2,5	2,5	2,5	2,5
Maximum temperature	°C	90	90	90	90
Working temperature of the water	°C	80	80	80	80
Efficiency	up to %	74	74	75	75
Fuel - brown coals	kcal/h	3500÷3700	3500÷3700	3500÷3700	3500÷3700
Fuel consumption	kg/h	4÷4,5	6÷6,5	9÷9,5	12÷12,5
Working time per a charge	hour	8,5÷9,5	8,5÷9,5	8,5÷9,5	8,5÷9,5
Dimensions of water inlet/outlet – thread orifice	inch	1	1 1/4	1 1/4	1 1/2
Dimensions	A mm	544	570	628	780
	B mm	423	465	527	612
	C mm	731	749	857	990
	E mm	184	190	190	195
	H mm	1055	1170	1170	1392
	L mm	980	1096	1096	1250
	D mm	Ø160	Ø200	Ø200	Ø200
	h mm	839	932	933	1090
Weight	kg	152	218	267	355
Volume of the water jacket	L	72	90	112	165



### Legend:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. Return water inlet - orifice</li> <li>2. Inlet- outlet serpentine /option/</li> <li>3. Probe - water protection / when nstalled a serpentine/</li> <li>4. Delivery water inlet - orifice</li> <li>5. Flue valve</li> <li>6. Exhaust gases outlet Ø</li> <li>7. 1/2" drainage</li> </ul> | <ul style="list-style-type: none"> <li>8. Thermometer, up to 120°C</li> <li>9. Mechanical air thermostat</li> <li>10. Upper door - for feeding fuel</li> <li>11. Lower door - for cleaning</li> <li>12. Adjustable air door - connected via a metal chain to the mechanical thermostat that regulates the draught.</li> <li>13. Ashtray</li> </ul> |
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"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!***

#### Stores:

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