

## SOLID FUEL BOILERS **LSK** AND **LSK B**; COMBINED SOLID FUEL AND PELLETS **LSK PEL**

"**LSK**" are three fume pass steel boilers are designed for **solid fuel** – wood, briquettes, coals.

The "**LSK**" boilers are complete with pellet burner "**MEGATHERM**" and are designed to operate with pellets and solid fuel.

The boilers are intended for heating residential buildings, villas, hotels, industrial buildings, schools, kindergartens, hospitals ext.

### INTENDED FOR OPEN OR CLOSED WATER HEATING INSTALLATIONS

with maximum water temperature  
85-90°C and maximum working  
pressure 3bar

### EXCELLENT CONSTRUCTION WITH HIGH EFFICIENCY RATIO

for solid fuel 80-84%  
for pellet 91%

### WITH DECORATIVE PANELS WITH HEAT INSULATION WITH ROCKWOOL SHEET

high density with aluminum foil  
and doors with fireclay insulation  
(flint cement), that reduces the  
heat loss to a minimum and  
increases the efficiency ratio.

### VERY EFFICIENT HEAT EXCHANGE AND EASY SOOT CLEANING

### LONGER OPERATIONAL LIFE SPAN

thanks to the water cooled grate  
and the larger heating surface

### HEAT EXCHANGER FLUE PIPES

made of seamless steel pipe with  
turbulators

### "LSK 60" - "LSK B 150"

from 60 up to 180kW

With ventilator and analog control panel,  
ashtray and scoop for cleaning.



### "LSK B 175" - "LSK B 350"

from 180 up to 410kW

Complete with analog control panel, ashtray, scoop for  
cleaning and closing flanges for the inlets of the  
ventilator and the burner.  
(without air clap on the lower door).

„LSK B 175" up to „LSK B 350" have two ventilators for  
forced air supply for the combustion process.  
(one on the front side and one on the back side of the  
boiler).



### "LSK 60 PEL" - "LSK 250 PEL"

from 80 up to 250kW

All „PEL" models are delivered complete  
with kit for solid fuel according to the output  
+ pellet burner "**MEGATHERM**" and feeding  
screw.

The pellet silo is an option (on demand).

The opening for the pellet burner is provided  
on the lower door.

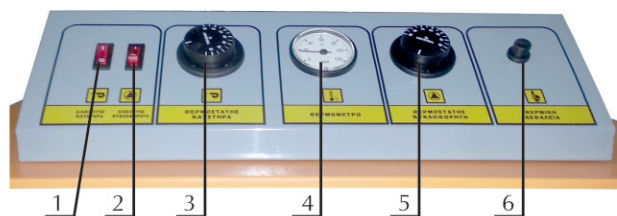
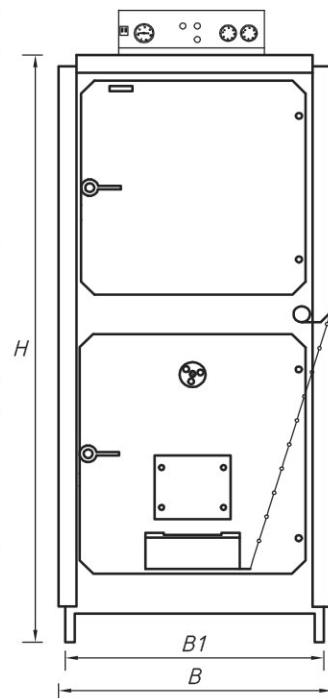
When operating with solid fuel the opening  
is closed with closing flange ( provided with the  
boiler).

When operating with pellets the ventilator is  
dismantled and the opening is closed with the  
ventilator flange ( provided with the kit).

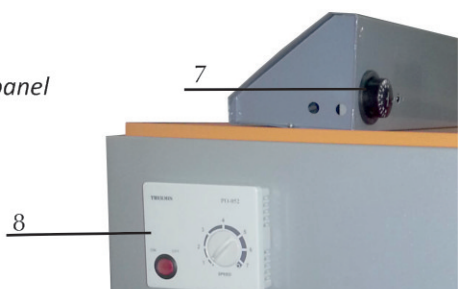


## THECNICAL DATA

N:	Type		LSK 60	LSK 80	LSK 100	LSK B 125	LSK B 150	LSK B 175	LSK B 200	LSK B 250	LSK B 300	LSK B 350
1	Nominal output on solid fuel	kW	60-75	80-100	100-120	125-150	150-180	175-210	200-240	250-300	300-350	350-410
2	Nominal output-pellets	kW	80	90	-	150	-	220	250	-	-	-
3	Max working pressure	bar	3	3	3	3	3	3	3	3	3	3
4	Max working water t°	°C	90	90	90	90	90	90	90	90	90	90
5	Working water t°	°C	80	80	80	80	80	80	80	80	80	80
6	Inlet/Outlet water D1/D2	ø	2"	2"	2"	2 1/2"	2 1/2"	3"	3"	3"	3"	3"
7	Boiler dimensions:	A mm	840	990	1140	990	1190	1390	1510	1490	1740	1990
		B mm	750	750	750	730	750	750	750	850	850	850
		B1 mm	730	730	730	730	730	730	730	830	830	845
		C mm	1050	1200	1350	1300	1500	1700	1820	1900	2150	2500
		H mm	1550	1550	1550	1650	1650	1650	1650	2050	2050	2050
		H1 mm	1650	1650	1650	1750	1750	1750	1750	2150	2150	2150
		h mm	1250	1250	1250	1400	1400	1400	1400	1700	1700	1700
		Safety orifice d2	ø 1"	ø 1"	ø 1"	ø 1"	ø 1 1/4"	ø 1 1/4"	ø 1 1/4"	ø 1 1/2"	ø 1 1/2"	ø 1 1/2"
		Safety orifice d1	ø 3/4"	ø 3/4"	ø 3/4"	ø 3/4"	ø 1"	ø 1"	ø 1"	ø 1"	ø 1"	ø 1"
		Flue pipe ø	ø250	ø250	ø250	ø250	ø250	ø300	ø300	ø350	ø350	ø350
8	Weight	kg	444	488	532	706	808	902	1010			
9	Water shield volume	L	160	190	220	240	310	370	430			

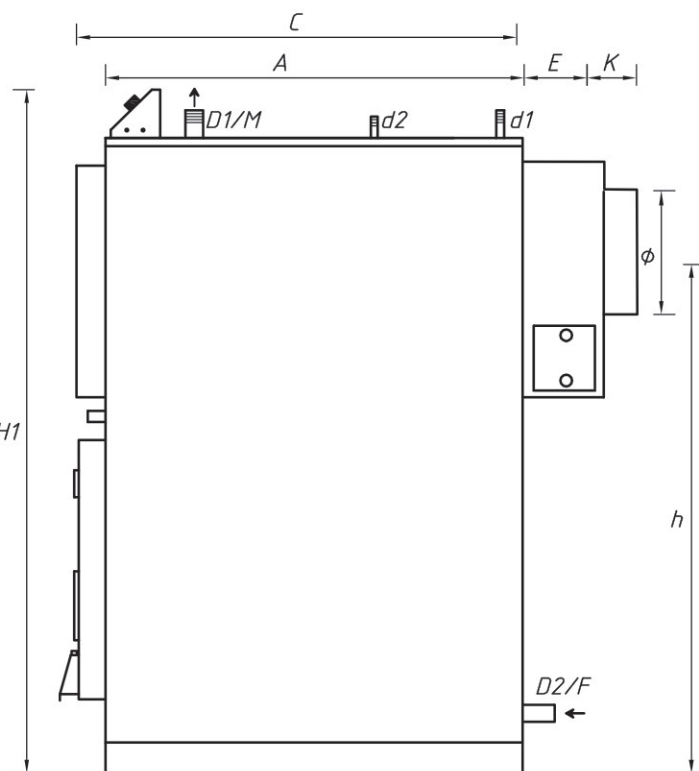


Analog control panel



### LEGEND:

1. Switch ON/OFF ventilator
2. Switch ON/OFF pump
3. Thermostat 0-90°C for **max** of the ventilator
4. Thermometer from 0 - 120°C
5. Working thermostat 0-90°C – for pump
6. Safety thermostat
7. Thermostat 0-90°C for **min** of the ventilator - behind the control panel
8. Potentiometer for Rpm of the ventilator, positioned on the side panel



“LAKAL” EOOD has been on the Bulgarian market for more than 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.

Stores: PLOVDIV 4004; 136, N.Vaptsarov Blvd.,  
VARNA 9000; 60A, Gen. Kolev Str.,  
V. TARNOVO 5000; 1, Poltava Str.,

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