



➤ Solid Fuel Central Heating Boiler

- Electronic & Automatic Heat Control
- Solid Fuel
- Three Pass
- High Efficiency

“Feel the heat...”





ÜKYS/3G series Solid Fuel Central Heating Boiler

ÜNMAK ÜKYS/3G series solid fuel boilers are designed to burn coal and wood. The shape is cylindrical and it has three pass. On demand the boiler can modify so that burn liquid fuel and gas. They have different capacities with high efficiency. The boilers are user friendly and provide comfortable heating.

- ÜNMAK three passage central heating system boilers are produced with advanced technology and they have longer durability than similar ones with TSE and CE certified production in accordance with TS EN 303 - 5 and TS 497 Standards. Its 3 pass special design consists of flame and smoke pipes. It passes onto regime by reaching the desired heat in a short time. Fuel consumption is reduced to minimum with this specialty.

- With its modern designed control panel, all the functions of the boiler are automatically controlled.

- Over heating and unnecessary fuel consumption is prevented by heat control.

- Delaying the combustion: When the air temperature is high, the boiler can be closed on the control panel without considering its temperature. In this situation, burning fuel will fade out and burning will be delayed by closing the fan and the valve. In need of heat again, tank can be reopened on the control panel, it will go on burning without flaming it again, and it will reach the desired temperature soon. [combustion delaying can be up to 24 hours according to the quality of the coal.]

- Complete combustion: Clean and complete combustion is achieved with the help of air coming from tank burning room from special designed flap fan.

- Fan and circulation pump stops automatically thanks to automatic stop specialty. This helps save energy.

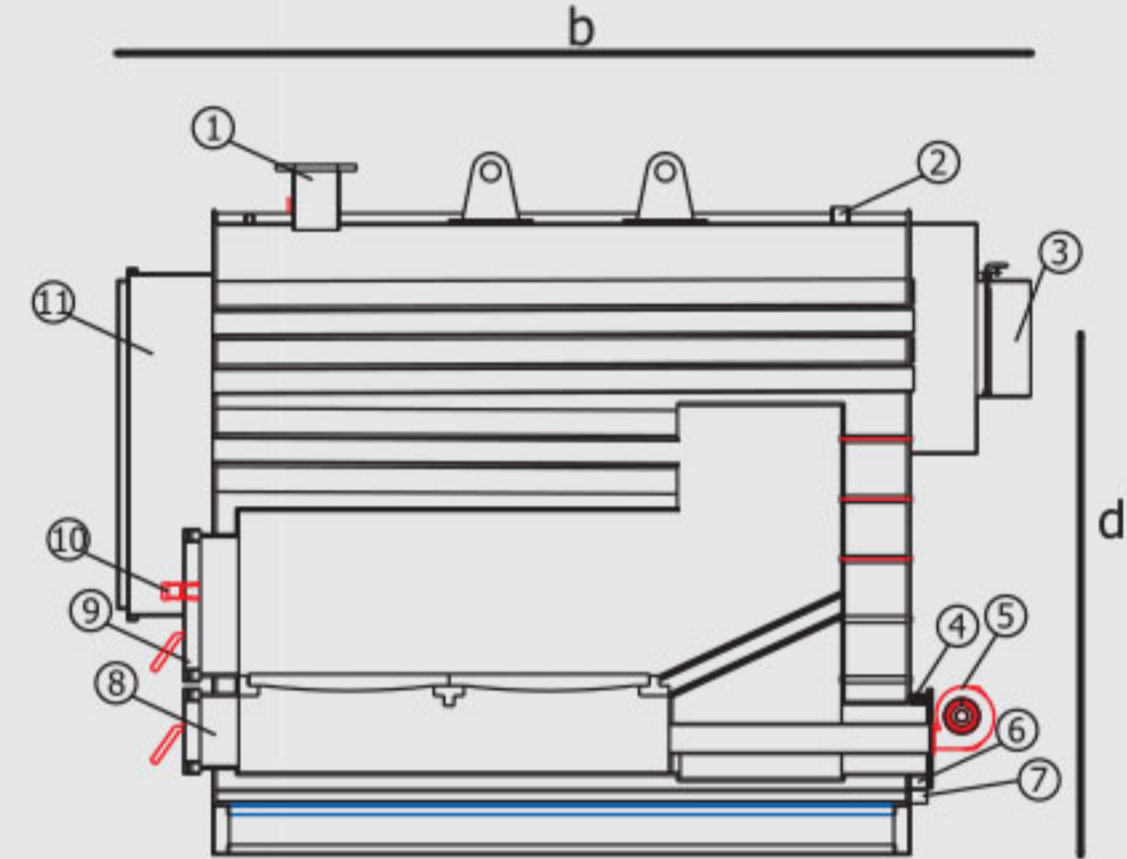
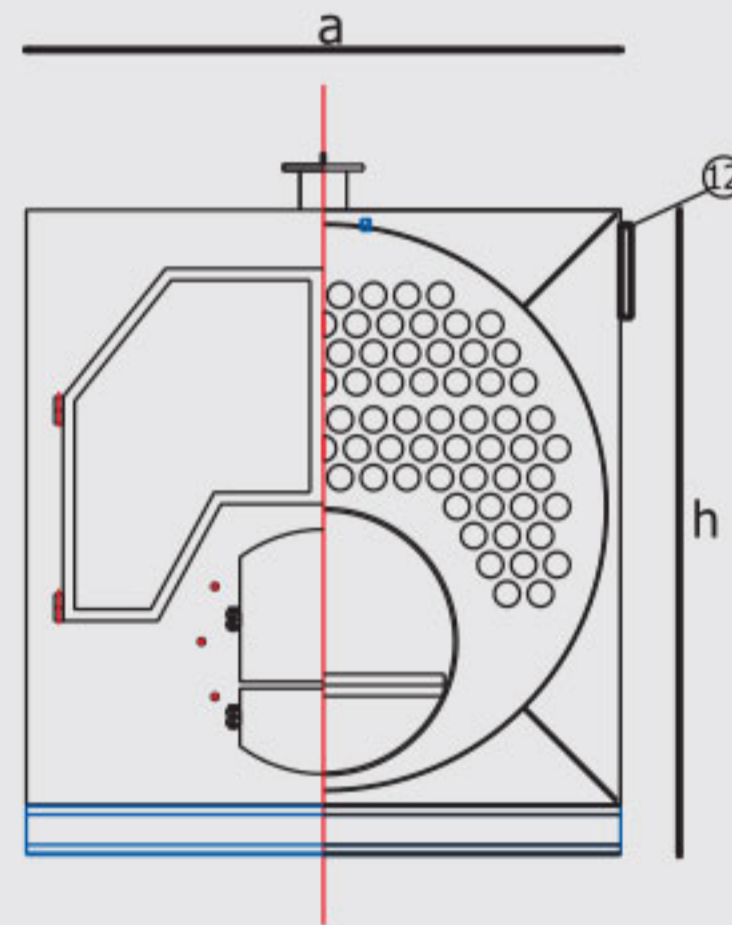
- It is easy to use, loading the fuel, burning, ash taking and cleaning the pipes can be done comfortably thanks to its fuel loading, pipe cleaning and ash taking covers. Ash can be discharged easily without dust to the ash bucket thanks to mobile and opening grid.

- Multi-fuel: ÜNMAK central heating boilers can be turned into a boiler burning liquid fuel and natural gas with a small fixing and a burner addition

- Stylish outlook: Outer iron sheets of boiler are painted with electrostatic powder paint to protect form corrosion.

- ÜNMAK 3 pass central heating system boilers have 2 year warranty for production flaws.

- 1- Boiler outlet
- 2- Safety outlet
- 3- Chimney
- 4- Water filling - discharge
- 5- Fan
- 6- Boiler inlet
- 7- Safety inlet
- 8- Ash discharge cover
- 9- Fuel entry cover
- 10- Observing glass
- 11- Flue pipes cleaning cover
- 12- Control board



ÜKYS/3G-120/1200

TECHNICAL SPECIFICATIONS

MODEL-SERIES	ÜKYS/3G	120	150	180	210	240	270	300	330	360	390	420	450	480	510	540	600	660	720	780	840	900	1000	1100	1200	
Fuel Type		Wood-Coal- Biomass																								
Heat Output	kW	140	174	209	244	279	314	349	384	419	453	488	523	558	593	628	698	767	837	907	977	1.047	1.163	1.279	1.395	
	kcal/h	120.000	150.000	180.000	210.000	240.000	270.000	300.000	330.000	360.000	390.000	420.000	450.000	480.000	510.000	540.000	600.000	660.000	720.000	780.000	840.000	900.000	1.000.000	1.100.000	1.200.000	
Burning Chamber Height	mm	450		485		500		540		560							595							605		
Burning Chamber Width	mm	655		700		750		800		815							850							895		
Burning Chamber Length	mm			1100						1330						1510				1680				2030		
Burning Chamber Volume	dm ³	324		373		413		575		607						764				850				1099		
Fuel Entry	mm	380*345		440*395				460*415								500*435								520*435		
Water Volume	lt	720	794	894	1146	1276	1213	1768	1814	1905	1987	2063	2433	2369	2628	2679	2585	2915	1987	3093	3248	3448	3354	4396	4479	4610
Boiler Weight	kg	1270	1375	1610	1740	1925	2000	2450	2615	2740	2830	3100	3250	3335	3585	3700	3860	4135	4350	4490	4740	5020	5600	5890	6250	
Required Draft	mbar	0,42-0,45		0,44-0,47				0,46-0,49				0,48-0,52				0,51-0,54				0,53-0,57				0,56-0,59		
Min-Max Operating Temperature	°C	45-85																								
Water Return Temperature (Recommended)	°C	35																								
Maximum Operating Pressure	bar	4																								
Test Pressure	bar	6																								
Dimensions	Width (a)	mm	1200	1240	1320	1428	1510	1580	1600	1650	1700	1790				1810	1890	1950	2000	2050	2100	2150				
	Length (b)	mm	2220																							
	Chimney Connection Height (d)	mm	1145	1120	1300	1315	1370	1415	1440	1475	1485	1480	1575	1615	1640	1570	1655	1645	1700	1750	1760	1815	1860			
	Boiler Total Height (h)	mm	1570	1610	1690	1798	1880	1950	1970	2020	2070	2160	2180	2260	2320	2370	2420	2470	2520							
Exhaust Gas Connection Diameter (Chimney)	mm	250		300				350				400														
Min-Max Flue Temperature	°C	170-210																								
Boiler Outlet- Inlet	R"	DN 50		DN 65				DN 80				DN 100				DN 125								DN 150		
Expansion Tank Outlet- Inlet	R"	1 1/4"						1 1/2"						2"										2 1/2"		
Filling- Discharge	R"	3/4"																								
Electrical Connection	V/Hz	320 V / 50Hz																								
		400 V / 50Hz																								

The right to make changes in dimension is reserved.



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ÜNLÜSOY
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