



► Prismatic Solid Fuel Boiler

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

ÜKYP - 300 - 600

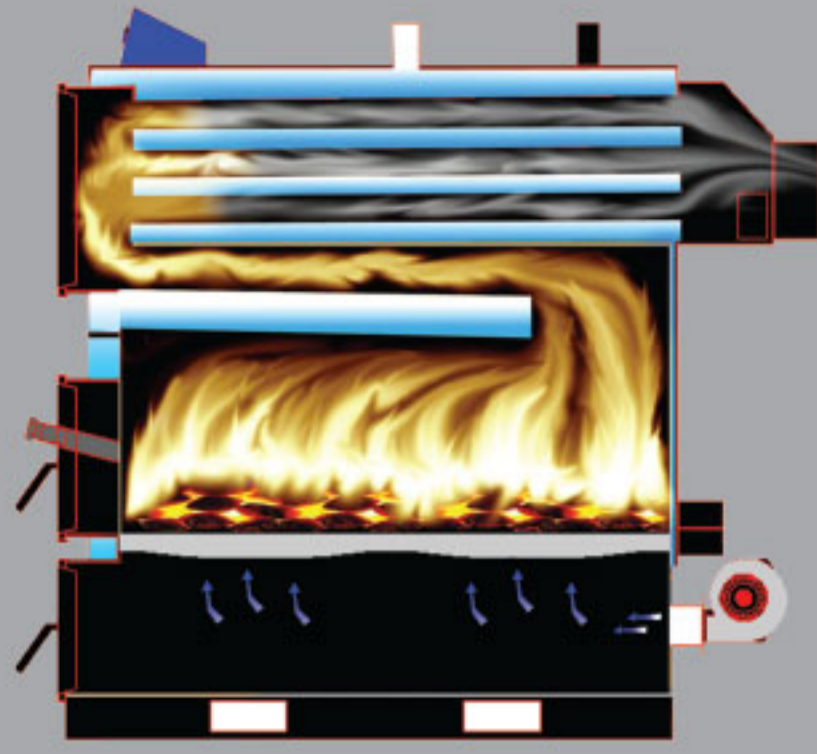


ÜKYP - 130 - 250



"Feel the heat..."

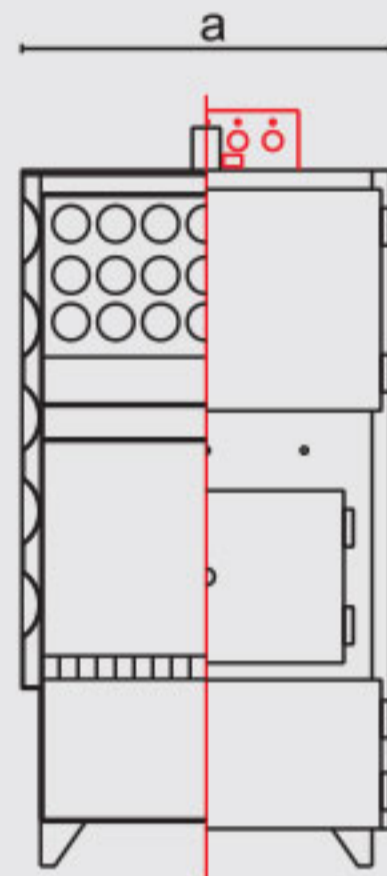




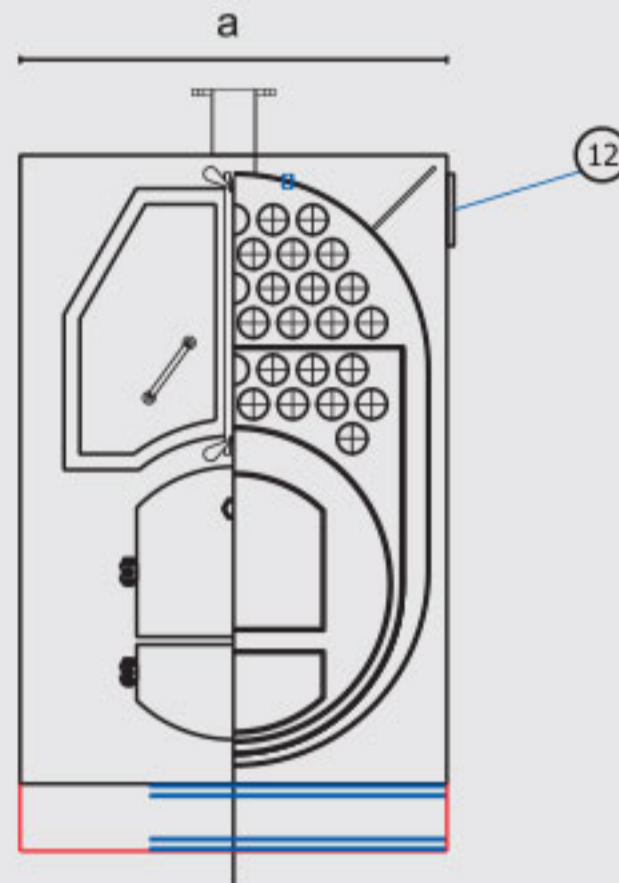
ÜKYP series Prismatic Solid Fuel Boiler

ÜNMAK ÜKYP series prismatic solid fuel boilers are designed to burn coal and wood. They have eleven different capacities. Boilers are user friendly and provide comfortable heating.

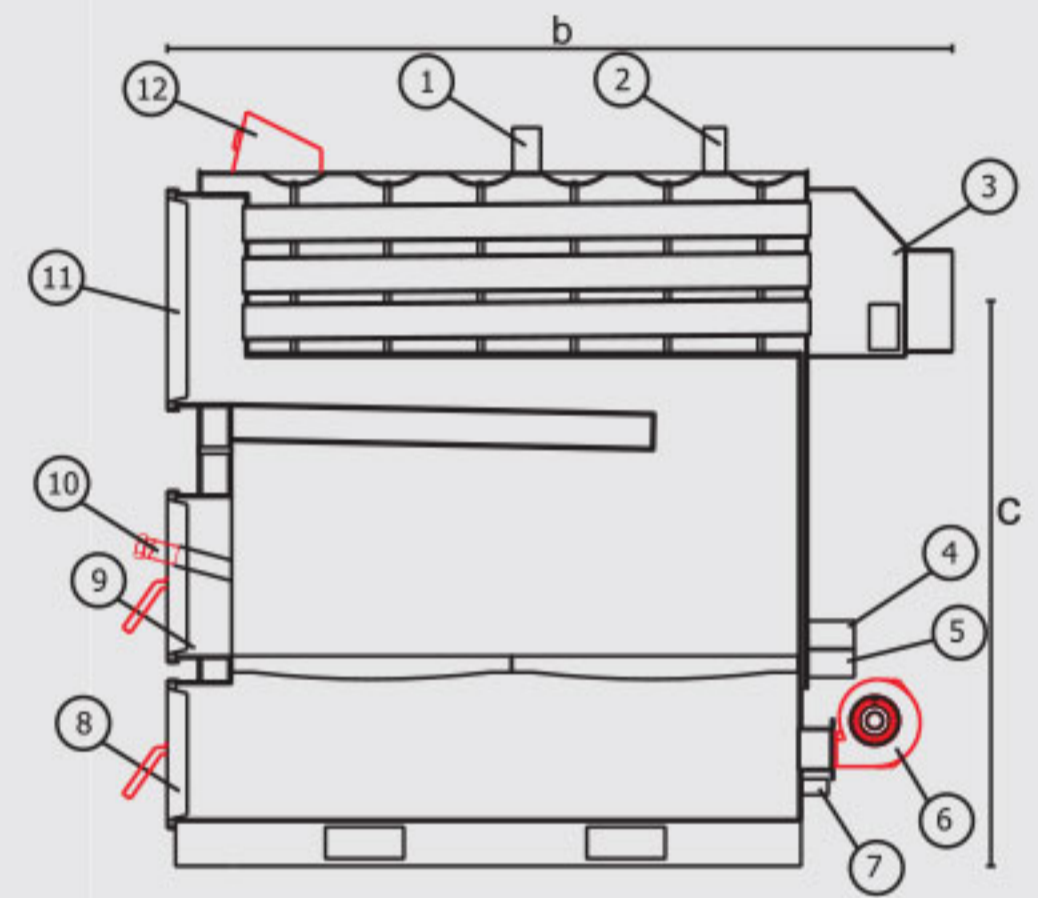
- 1- Boiler outlet
- 2- Safety outlet
- 3- Flue box
- 4- Boiler inlet
- 5- Safety inlet
- 6- Fan and fan flap
- 7- Water filling - discharge
- 8- Ash discharge cover
- 9- Fuel entry cover
- 10- Observing glass
- 11- Flue pipes cleaning cover
- 12- Control board



ÜKYP 130-250



ÜKYP 300-600



TECHNICAL SPECIFICATIONS

MODEL- SERIES	ÜKYP	130	160	180	200	250	300	350	400	450	500	600	
Fuel Type		Wood- Coal- Biomass											
Heat Output	kW	151	186	209	233	291	349	407	465	523	582	698	
	kcal/h	130.000	160.000	180.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	600.000	
Burning Chamber Height	mm	510						560					
Burning Chamber Width	mm	600		700		800	755	790					
Burning Chamber Lenght	mm	1020	1220		1320		1045			1400		1510	
Burning Chamber Volume	dm3	312	373	436	471	539	402	462		619	668		
Fuel Entry	mm	440x340					460X380						
Water Volume	lt	320	400	480	560	640	890	925	1240	1195	1505	1570	
Boiler Weight	kg	740	855	985	1050	1205	1595	1745	1960	2015	2305	2560	
Required Draft	mbar	0,42- 0,45	0,44- 0,47		0,45- 0,49		0,47- 0,51			0,50- 0, 53			
Min-Max Operating Temperature	°C	45-85											
Water Return Temperature (Recommended)	°C	35											
Maximum Operating Pressure	bar	3											
Test Pressure	bar	5											
Dimensions	Width (a)	mm	760		860		960	1130	1180	1390			
	Lenght(b)	mm	1615	1815		1915		2280	2400		2750		
	Chimney Connection Height (c)	mm	1370				1465	1600	1665		1675		
	Boiler Total Height (h)	mm	1640				2000	2055	2095		2125		
Exhaust Gas Connection Diameter (Chimney)	mm	220					300					350	
Min-Max Flue Temperature	°C	170-210											
Boiler Outlet- Inlet	R"	2"				2 ½"	DN80		DN100		DN125		
Expansion Tank Outlet- Inlet	R"	1 ½"						2"					
Filling- Discharge	R"	1/2"					3/4"						
Electrical Connection	V/Hz	230 V- 50 Hz											

The right to make changes in dimension is reserved.

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ÜNLÜSOY
Sanayi ve Tic. Ltd. Şti.

30th
years



BOILER AND WALL HUNG BOILER TECHNICAL CATALOGUE

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ABOUT US

Ünlüsoy Yapı Malzemeleri Sanayi ve Ticaret Limited 1994 in Isparta to operate in the field of heating.

The company continued its activities as sales and contracting between 1994 and 1999, and in the last quarter of 1999, seeing the need in the sector, it decided to produce solid fuel boilers and gained the status of a manufacturer in the sector.

In 2001, it completed the construction of its factory building in Isparta and started production in its own factory.

In 2004, it invested in a Panel Radiator production facility in Afyonkarahisar Organized Industrial Zone and started producing Panel Radiators as of 2005.

It started producing boilers in Izmir in 2008.

In 2011, it invested in Izmir Kemalpaşa Organized Industrial Zone and started producing Hot Water Storage Tanks and Boilers.

In 2014, it decided to invest in Pancar Organize Sanayi in Izmir Torbalı region and put its Solid Fuel Boilers and Panel Radiators production facility into operation there in 2016.

After completing the investment of its second factory in Pancar Organized Industrial Zone in 2019, Boiler continues its production here.

Ünmaç continues to produce Panel Radiators, Solid Fuel Boilers, Central System Heating Boilers and Hot Water Storage Tanks in a total closed area of 65,000 square meters. With the aim of producing high quality products with more than 280 qualified employees, It has reached a production capacity of 20,000 Boilers, 8,000 Central System Heating Boilers, 20,000 Hot Water Storage Tanks and 2,000,000 m Panel Radiators.

By increasing its equity capital in 2024, the company continues its commercial activities as Ünlüsoy Isıtma Sistemleri Sanayi ve Ticaret Anonim Şirket.

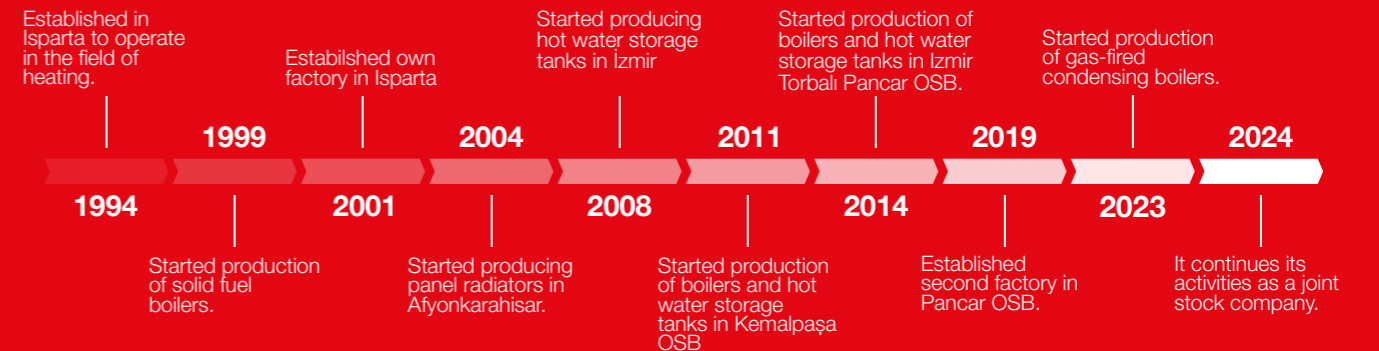
OUR VISION

To be innovative, high quality product producer with high competitive structure in international market and with powerful distribution network in domestic and international markets.

OUR MISSION

To fulfill demands of domestic and international clients with high quality products and protect environment and human health.

OUR HISTORY



BOILER AND WALL HUNG BOILER TECHNICAL CATALOGUE

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CONDENSING BOILERS

Wall Hung Premix FULL CONDENSING BOILERS

FEATURES

- With its small volume, it takes up little space in boiler rooms.
- With 6 different capacities, 12 types in total with master panel and slave display panel.
- Exclusively developed control panel protection box
- Serviceability of all signal Outlets for electrical connections
- TSE and CE certified
- 2 year warranty

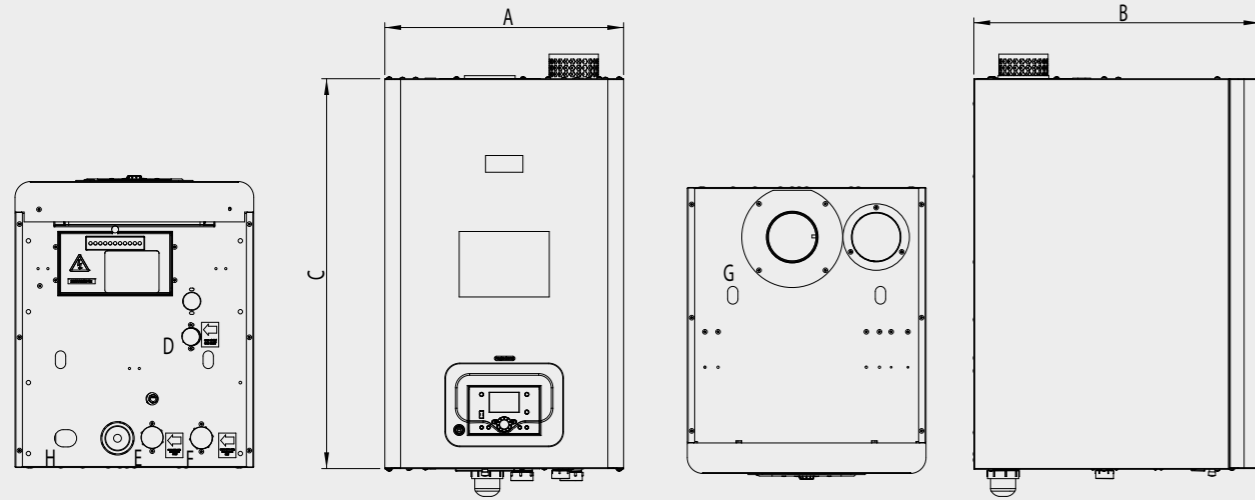
65, 80, 100, 115, 125, 150 kW



- 65, 80, 100, 115, 125, 150 kW capacity options
- Efficiency values up to 109.3%
- 16 boilers can cascade up to 2400 kW
- Minimum stop-start, maximum fuel saving (20-100%) with very wide heating modulation range
- Specially designed bluejet burner that provides perfect combustion
- Long lasting 316 L stainless steel, high efficiency heat exchanger
- Digital display for easy usage
- Integrated flap
- Less fuel consumption with extra low flue gas temperature and efficient combustion technology
- Ability to work compatible with building automation systems
- GAR 2016/426/AB certificate
- Between 52-58 dB low sound level
- Extra low NOx values (Class 6) 20 different language options on the control panel
- % 95 seasonal place heating efficiency
- Compliant with EN 15502 norm (gas-fired central heating boilers with a rated heat load not exceeding 1,000 kW)

Technical Features

		65	80	100	115	125	150
Thermal Properties							
Nominal Heat Load Qn	kW	14,00/63,00	15,00/73,00	20,00/96,00	24,00/120,00	24,00/120,50	27,00/141,00
Nominal Thermal Power Pn (80/60°C)	kW	13,7261,34	14,32/71,79	19,48/95,39	17,56/107,38	23,84/117,41	26,17/137,90
Nominal Thermal Power Pn (50/30°C)	kW	14,88/67,85	15,30/78,55	21,96/105,66	21,62/115,36	26,20/127,1	29,30/150,70
Heating Efficiency hu (80/60°C)	%	98,04/97,71	97,02/7,92	97,11/97,43	98,03/98,06	96,69/97,11	96,79/97,37
Heating Efficiency hu (50/30°C)	%	107,87/106,68	107,35/106,9	107,5/107,18	108,27/106,96	107,68/106,26	107,64/106,64
Part Load Efficiency hu (36/30°C)	%	109,45	109,32	109,14	109,14	108,86	108,76
Modulation Rate	-	22/100	20/100	21/100	19/100	20/100	19/100
Hydraulic Features							
Operating Water Pressure	bar	0,8/4,5	0,8/4,5	0,8/6,0	0,8/6,0	0,8/6,0	0,8/6,0
Water Flow Rate	m³/h	0,643/2,89	0,674/3,39	0,95/4,46	0,94/4,99	1,04/5,38	1,22/6,58
Pump Head	mSS	6,00	6,00	10,00	10,00	10,00	12,00
Operating Temperature	°C	90					
Maximum Installation Temperature	°C	95					
Limit Thermostat Closing Temperature	°C	100					
Gas and Combustion Properties							
Gas Type		G20/G25					
Gas Category		I2H,I2E					
Gas Supply Pressure	mbar	20/25					
Flue Type		B23/B23P/C13/C33/C43/C53/C63/C83					
Max Flue Length (B23)	mm	20,00	20,00	20,00	20,00	20,00	20,00
Max Flue Length (B23P)	mm	11,00	20,00	12,00	12,00	13,00	13,00
Max Flue Length (C13/C33/C43/C53/C63/C83)	mm	13,00	13,00	14,00	16,00	17,00	15,00
CO2 Emission	%	8,70/9,0	8,60/9,40	8,92/9,01	8,72/9,03	8,64/9,21	8,67/9,50
CO2 Emission	ppm	10,00/111,00	4,00/129,0	7,00/89,00	10,00/102,00	5,00/115,0	3,00/152,00
O2	%	5,64/5,04	5,60/4,36	5,26/5,02	5,42/4,96	5,85/4,79	5,73/4,35
Flue Gas Temperature (80/60°C) (Min/Max)	°C	56,90/77,0	57,90/71,3	54,60/73,10	56,2/74,3	59,40/76,1	60,80/75,3
Flue Gas Temperature (50/30°C) (Min/Max)	°C	37,10/48,5	34,60/45,60	33,10/42,20	34,20/45,10	33,10/46,30	32,50/53,70
NOx Class	-	6	6	6	6	6	6
NOx Value	mg/kwh	31,38	28,50	22,60	19,54	32,32	36,63
Gas Consumption Value	m³/h	1,43/6,57	1,54/7,66	2,10/9,98	2,05/11,42	2,5/12,07	2,71/15,05
Internal Flap	-	Yes	Yes	Yes	Yes	Yes	Yes
Connection Features							
Boiler Water Inlet/Outlet Diameter	DN	25/25	25/25	32/32	32/32	32/32	32/32
Clean Air/Waste Gas Diameter (B23) (B23P)	mm	80/80	80/80	110/100	110/100	110/100	110/100
Clean Air/Waste Gas Diameter (C13/C33/C43/C53/C63/C83)	mm	125/80	125/80	150/100	150/100	150/100	150/100
Gas Supply Diameter	DN	20	20	25	25	25	25
Electrical Properties							
Electric Power Source	V/Hz	230V+%-10;+15					
Electricity Consumption Value (Max)	W	145,00	185,00	170,00	197,00	218,00	301,00
General Features							
Heat Exchanger Type	-	Stainless Steel					
Energy Efficiency Class	-	A					
Energy Efficiency Class	ns	91,6	92	91,6	92	92	92
Sound Level Lwa	dB(A)	58,00	58,00	53,00	53,00	52,00	52,00
Dimensions (Width/Length/Height)	mm	450X500X680	450X570X680	485X580X790	485X580X790	485X580X790	485X580X790
Packaging Features							
Packaging Dimensions (Width/Length/Height)	mm	510X1000X650	510X1000X650	545X1100X660	545X1100X660	545X1100X660	540X1100X720



DIMENSIONS

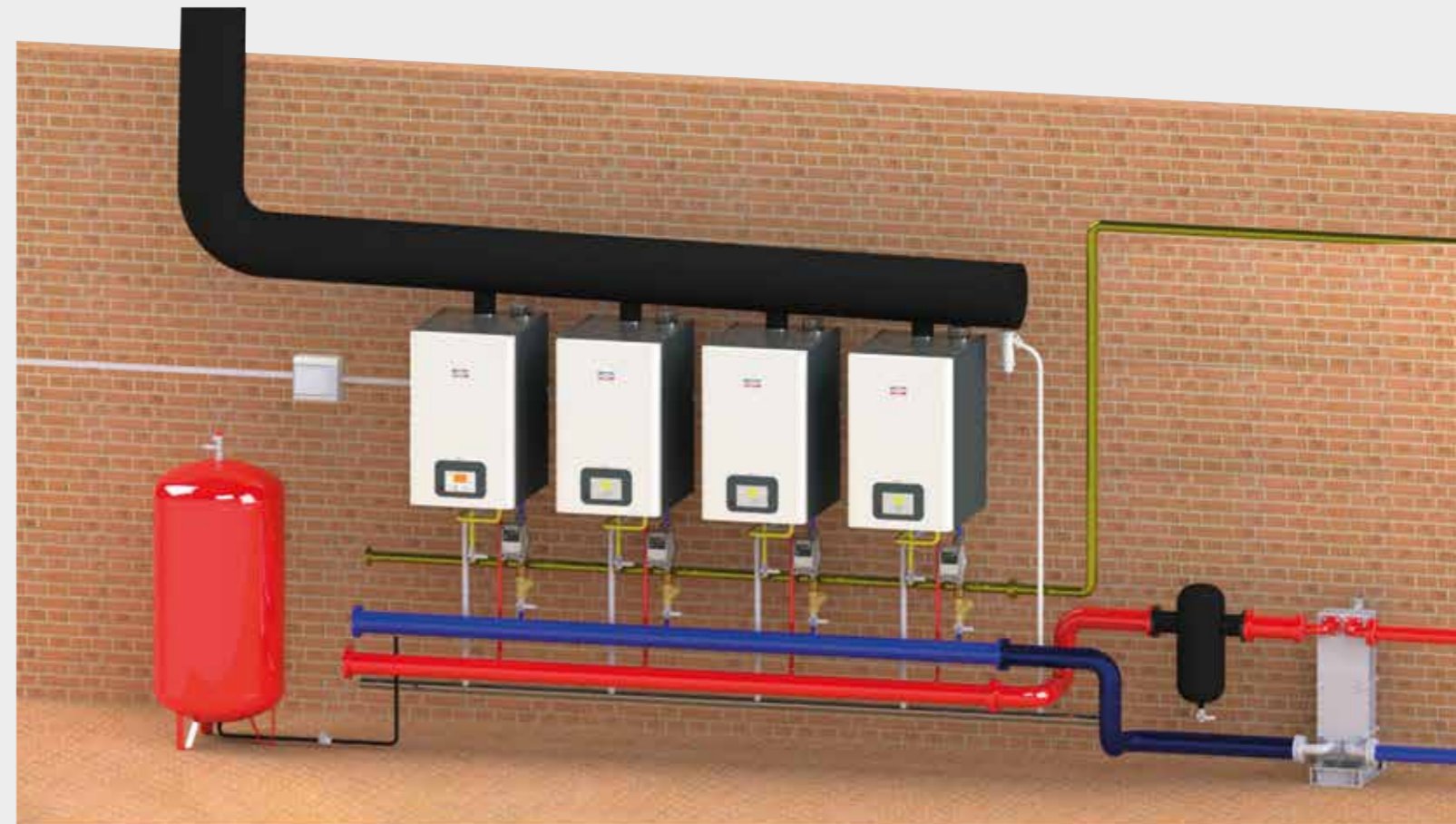
Dimensions	A (mm) Width	B (mm) Depth	C (mm) Height	D Gas Connection	E Boiler Outlet	F Boiler Inlet	ØG (mm) Flue Gas Outlet	ØH (mm) Condensation Drain
Vegadens 65	450	500	680	3/4"	1"	1"	80	80
Vegadens 80	450	570	680	3/4"	1"	1"	80	80
Vegadens 100	485	580	790	1"	1 1/4"	1 1/4"	100	110
Vegadens 115	485	580	790	1"	1 1/4"	1 1/4"	100	110
Vegadens 125	485	580	790	1"	1 1/4"	1 1/4"	100	110
Vegadens 150	485	640	790	1"	1 1/4"	1 1/4"	100	110

VEGADENS

Advantages of Wall Hung Premix Condensing Boiler

- Vegadens boilers offer 6 different capacity options between 65 - 150 kW.
- With the possibility of up to 16 equal aging cascades, it meets a maximum heating power of up to 2,400 kW in a single cascade system.
- It saves space in boiler rooms thanks to its high capacity, aesthetic design and compact dimensions, while also providing easy installation thanks to its light weight. The maximum water pressure value is 6 bars, which eliminates the need to use heat exchanger rooms on intermediate floors by dividing the system into two in high-rise buildings.
- Vegadens boilers provide high efficiency under 80/60°C and 50/30°C operating conditions. Vegadens boilers have a modulation rate of up to 20%. This wide modulation, which maximizes energy savings, also extends the life of the boilers. Vegadens ensures the safety of both you and your device with the safety systems in its boilers.
- Freeze Protection
- High Temperature Safety (100°C)
- Flue gas overheating safety (85°C)
- Heating circuit overheating safety (85°C)
- High water pressure safety (6 bar)
- Low water pressure safety (0.8 bar)
- Fan speed safety
- Condensation blockage safety with flush sensor
- Legionella protection
- Pump jam protection safety system
- Automatic air release
- Low voltage safety (185 V)

**Very high performance opportunity
with cascade system up to 2400 kW**



CASCADE WORKING SYSTEM

Possibility to Monitor Boiler Temperature in Non-Master Boilers

- Co-aging cascade connection possibility for up to 16 boilers
- In cascade operation, it reaches the lowest system modulation rate and high efficiency by activating a large number of boilers with the early-in, late-out system.
- In the cascade system, the 1st Boiler (master boiler) is activated first when heat is needed. At the end of the specified period, the leader transfers the task to the 2nd Boiler. In this way, boilers have an even lifespan for many years.
- Boiler loads in the cascade system are distributed by defining the master and slave boilers.
- Even if one or more boilers fail in the cascade system, the other boilers continue to operate and continuously feed the heating system.
- Prevents the boiler from start/stop.
- Heating comfort is increased
- These systems; It provides advantages such as reliability, efficiency, low emissions, low cost and easy use.



triton
PREMIX
Full Condensing
Combi Boiler

dione
PREMIX
Full Condensing
Combi Boiler

NEWATHERM

Full Condensing Premix Combi Boilers

FEATURES

- Ergonomic Design; It maximizes user comfort, efficiency and safety.
- High Energy Saving; It means that the device uses energy efficiently and provides maximum performance with minimum energy consumption. Energy-saving devices provide cost savings in the long term and reduce negative environmental impact.
- Quiet Operation; means the device operates at minimum volume.



The temperature of your home is under your control! Wireless Room Thermostats

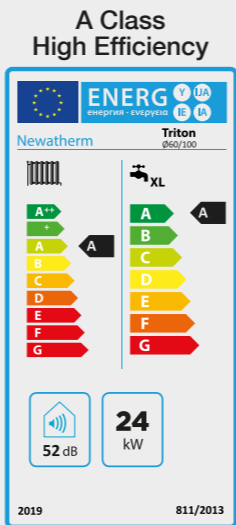
- Large LCD Backlight Screen
- Battery Indicator
- On-Off Control
- Temperature Calibration
- Settings

Modem

- Large LCD Backlight Screen
- 7/24 Programming
- Touchscreen
- Comfort, Economy & Holiday Mode

- Battery Indicator
- On-Off Control
- Temperature Calibration
- Easy Use

- High efficiency up to %109
- Ergonomic control panel design
- Quiet Operation
- 1/4 modulation rate
- 20-24-28-35-42-45 kW capacity options
- Room thermostat, connection of an outdoor temperature sensor
- Fan Modulation Automatically adjusts the fan speed according to the temperature needs of the boiler. In this way, it provides high efficiency and low sound level.
- High combustion efficiency, low waste gas emissions with stainless steel heat exchanger and burner
- Automatic By-Pass system that protects the installation and combi boiler
- Frost Protection
- Easy serviceability and maintenance
- Low NOx ve CO emissions
- Less energy consumption with energy efficient circulation pump



It has Class A high seasonal efficiency in both radiator heating and hot water production. Complies with the ErP Directive implemented by the European Union.

Triton/Dione Premix Technical Features

Premix Condensing Combi Boiler Models		Dione 20	Triton/Dione 24	Triton/Dione 28	Triton/Dione 35	Triton 42	Triton 45
Gas Type		G20	G20	G20	G20	G20	G20
Gas Inlet Pressure (for G20)		20	20	20	20	20	20
Type		C13, C33, C43, C53, C83, C93, B23, B33	C13, C33, C43, C53, C83, C93, B23, B33	C13, C33, C43, C53, C83, C93, B23, B33	C13, C33, C43, C53, C83, C93, B23, B33	C13, C33, C43, C53, C83, C93, B23, B33	C13, C33, C43, C53, C83, C93, B23, B33
Category		I2H (G20=2 mbar)	I2H (G20=2 mbar)	I2H (G20=2 mbar)	I2H (G20=2 mbar)	I2H (G20=2 mbar)	I2H (G20=2 mbar)
Heating Circuit							
Seasonal Heating Efficiency Class (ErP)		A	A	A	A	A	A
Seasonal Heating Efficiency (ns)	%	92,9	93	93	93	93	94
Maximum Efficiency (At Partial Load)	%	108,4	108,4	108,8	108,89	108,49	109
Maximum Rated CH Power (50-30°C)	kW	20,5	22,91	28,16	35,21	42,93	45,66
Minimum Rated CH Power (50-30°C)	kW	5,24	5,5	6,68	8,17	10,93	10,93
Maximum Rated CH Power (80-60°C)	kW	18,77	21,02	25,44	32,34	37,77	41,48
Minimum Rated CH Power (80-60°C)	kW	4,77	5,08	6,04	7,5	10,19	10,17
Maximum Rated Inlet Power (Qi)	kW	19,6	21,79	26,5	33,51	39,23	42,9
Minimum Rated Inlet Power (Qi)	kW	5	5,25	6,44	7,93	10,59	10,66
Heating Circuit Setting Temperature	°C	20-80	20-80	20-80	20-80	20-80	20-80
Heating Circuit Max. Pressure	bar	3	3	3	3	3	3
Heating Circuit Min. Pressure	bar	0,8	0,8	0,8	0,8	0,8	0,8
Nox Class		6	6	6	6	6	6
Gas Consumption-Maximum Load	m³/h	2,07	2,3	2,79	3,54	4,15	4,54
Gas Consumption-Minimum Load	m³/h	0,53	0,56	0,68	0,84	1,12	1,13
Expansion Tank Capacity	Lt	8	8	8	8	10	10
Expansion Tank Pre-Pressure	bar	1	1	1	1	1	1
Domestic Water Circuit							
Seasonal Hot Water Efficiency Class		A	A	A	A	A	A
Hot Domestic Water Profile		XL	XL	XL	XL	XL	XL
Domestic Water Max. Power	kW	23	24	29	34,31	41	43
Domestic Water Min. Power	kW	5	5,08	6,04	7,5	10,17	10,17
Domestic Water Flow Rate(DT=30°C)maks.	l/dk.	10,7	11,36	13,7	16,22	19,3	20,21
Domestic Water Flow Adjust. Temp.	°C	30-65	30-65	30-65	30-65	30-65	30-65
Maximum Working Pressure	bar	9	9	9	9	9	9
Minimum Working Pressure	bar	0,3	0,3	0,3	0,3	0,3	0,3
Annual Energy Consumption for Water Heating	GJ	16,6	16,2	16,51	16,74	17,3	17,136
Electrical Properties							
Electrical Supply	VAC	220-240	220-240	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50	50	50
Electric Charge	W	130	130	130	135	160	160
Electrical Protection Class		IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
Plumbing Connections							
Gas Connection	inch	3/4	3/4	3/4	3/4	3/4	3/4
Heating Circuit Inlet/Inlet	inch	3/4	3/4	3/4	3/4	3/4	3/4
Domestic Water Inlet/Outlet	inch	1/2	1/2	1/2	1/2	1/2	1/2
General features							
Sound Power	dB(A)	52	52	52	52	52	52
Flue Diameter - Ø	mm	60/100	60/100	60/100	60/100	60/100	60/100
Dimensions (HeightxWidthxDepth) (Without Packaging)	mm	399x717x339	399x717x339	399x717x407	399x717x407	399x717x440	399x717x440
Dimensions (HeightxWidthxDepth) (With Package)	mm	420x780x420	440x780x420	440x780x490	440x780x490	440x780x520	440x780x520
Weight (Unpackaged, Net)	kg	32,8	32,8	38,1	40,3	41,3	41,3
Weight (Packaged, Net)	kg	34,7	34,7	40,3	42,5	43,5	43,5



ÜEK ISI - ASI SERIES

Electric Combi Boilers

FEATURES

- Digital modulation with levelled heater circuit
- Domestic hot water availability with ASI series
- Heating only availability with ISI series
- Quiet operation
- Energy-saving
- Possibility of connecting a room thermostat
- Environmentally friendly
- Ability of timed operating



Energy Saving and Efficiency: Provides energy savings thanks to its 9-stage electronic automation. Desired temperature control is possible with the electronic digital control panel.

Suitable for Various Installation Conditions: It is compatible with all kinds of installation conditions with its three-stage circulation pump.

Safety Features: Protection against electrical leaks is provided with the residual current relay. There are four control systems for the safe operation of the boiler, these are:

- Pressure sensor and safety valve in case the water pressure increases
- Safety thermostat in case the water temperature increases
- Water level relay in case of water shortage
- Anti-freeze system

Closed Circuit System: Thanks to the closed circuit operation, the installation water is ensured to reach every point and corrosion is prevented.

Smart Operating System: The system works according to the temperature difference of the water, preventing unnecessary energy consumption and saving energy. With the addition of a room thermostat, operation and remote control are possible according to the desired room temperature.

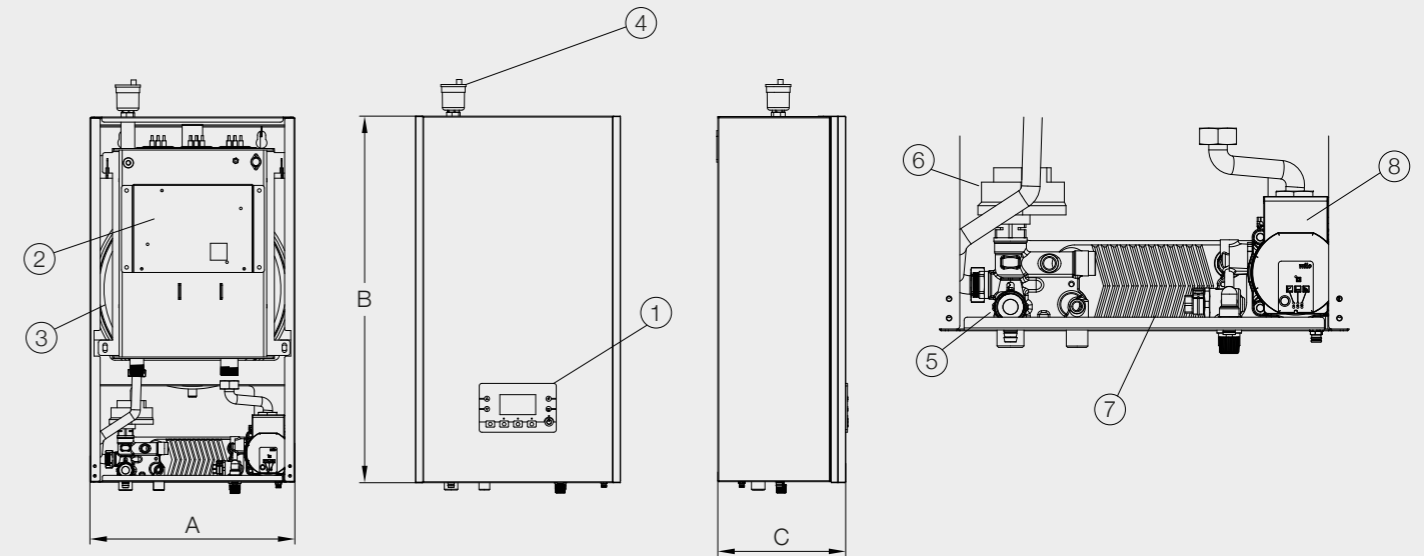
Time Adjusted Automatic Working: Automatic operation is provided within the desired time range with the time clock..

Ease of Installation and Aesthetic Design: It provides ease of installation in narrow spaces with its aesthetic and special design.

Heat Exchanger Unit: With the heat exchanger unit, domestic hot water needs can be met continuously according to summer and winter mode (ASI series).

Silent Operation: Provides a comfortable environment with its silent operation feature.

FEATURES



- 1- Control Panel and Screen Card
- 2- Relay Card
- 3- Expansion Tank
- 4- Air Purger
- 5- Safety Valve
- 6- Three Way Valve Motor
- 7- Plate Heat Exchanger
- 8- Circulation Pump

TECHNICAL FEATURES

Model/Seris		ÜEK-12	ÜEK-18	ÜEK-24	ÜEK-30	ÜEK-36	ÜEK-45
Power	kW	12	18	24	30	36	45
	kcal/h	10.320	15.480	20.640	25.800	30.960	38.700
Weight	kg	44	44	46	46	46	-
Central Heating Flow	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Central Heating Return	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Domestic Hot Water Outlet	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Domestic Hot Water Inlet	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Operating Pressure	bar	2	2	2	2	2	2
Domestic Water Flow Rate	lt/h	450	600	600	720	720	720
Maximum Domestic Water Temperature	°C	55	55	55	55	55	55
Width (A)	mm	400	400	400	400	400	470
Depth (C)	mm	250	250	250	250	250	250
Height (B)	mm	715	715	715	715	715	715
Connection Cable	pcs/mm ²	5*6 (1phase) 3*10 (3phase)	5*6	5*6	5*10	5*10	5*16
Electrical Connection	V/Hz	230/50 400/50	400/50	400/50	400/50	400/50	400/50

ecopel series

Compact PELLET BOILER

FEATURES

- A+ efficiency class
- 5. Class (top level) boiler energy class
- New generation digital control board
- Electronic card controlled ignition system
- Flue temperature monitoring function
- Fuel level monitoring function
- Compact structure with necessary installation elements for the heating system

“Full Automatic Compact Pellet Boiler”



Pellet Fuel Compability: Ecopel series boilers are designed to use renewable and environmentally friendly fuels such as pellets.

Compact Structure: Ecopel series boilers have a compact structure that is suitable for narrow spaces. This is especially ideal for homes or businesses where space is tight.

Integrated Heating Equipment: The Ecopel series contains all the equipment necessary for the operation of a heating system. This eliminates the need to purchase or install additional equipment.

Comfort and Economical Heating: Ünmak Ecopel series offers its users both a comfortable and economical heating solution. Energy efficiency means cost savings in the long run.

Ease of Use: The Ecopel series is equipped with easy-to-use features so that it can be used easily by everyone. Ecopel series devices offer a convenient, efficient and environmentally friendly heating solution for modern homes and workplaces. It is especially ideal for users switching to renewable energy sources.

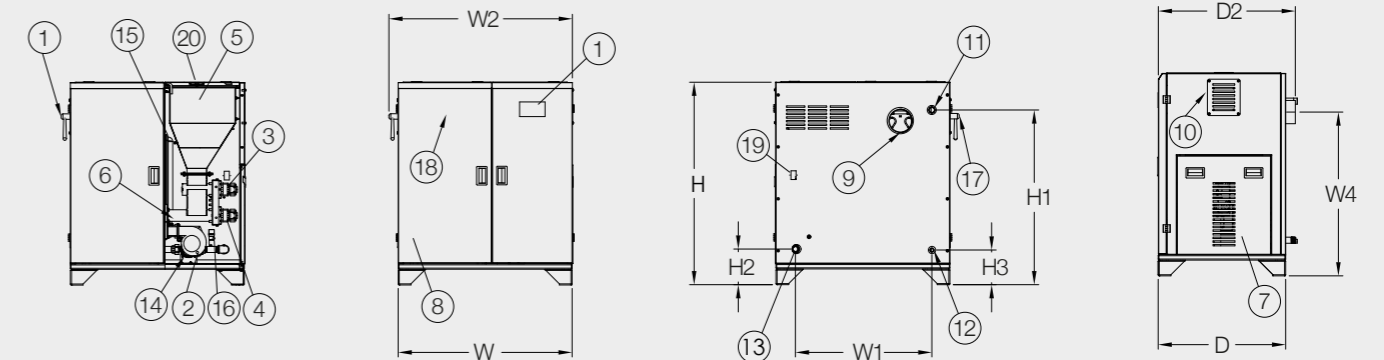
High Efficiency: High efficiency allows fuel to be used for longer periods of time. Therefore, the frequency of refueling is reduced, saving users time and money.

Continuous Use: Ecopel series can operate continuously for 1 to 3 days with fuel filled at a time. This is especially important for the need for uninterrupted heating during the cold winter months.

Environment Friendly Emissions: The device is environmentally friendly thanks to the low emissions it emits from the Flue. This reduces negative impacts on air quality and facilitates compliance with environmental regulations



FEATURES



- | | | | |
|-----------------------|---|---------------------------|-------------------------|
| 1- Control Board | 6- Feeding Screw | 11- Heating Inlet | 16- Safety Valve |
| 2- Fan | 7- Service Side Cover | 12- Load/Discharge | 17- Ash Cleaning Lever |
| 3- Rotary Reducer | 8- Service Front Cover | 13- Heating Outlet | 18- Manometer |
| 4- Feeding Reducer | 9- Flue | 14- Circulation Pump | 19- Energy on/off Key |
| 5- Fuel Tank (Bunker) | 10- Additional Bunker Connection Flange | 15- Closed Expansion Tank | 20- Pellet Level Sensor |

TECHNICAL FEATURES

		Ecopel 24	Ecopel 36	Ecopel 48
Fuel Features		Wood Pellet	Wood Pellet	Wood Pellet
Power	kW	24	36	48
Minimum Power	kW	7,2	10,8	14,4
Efficiency	%	94,12	94,38	94,33
Bunker Capacity	kg	30	50	70
Water Capacity	lt	55	60	93
Boiler Weight	kg	260	310	360
Required Draft in the Flue	Pa	10	10	12
Flue Temperature	°C	174	125	160
Minimum Inlet Temperature	°C	40	40	40
Maximum Working Pressure	bar	3	3	3
Test Pressure	bar	4,3	4,3	4,3
Temperature Control Range	°C	40-80	40-80	40-80
Maximum Working Temperature	°C	80	80	80
Heating Inlet/Outlet	inch	1"	1"	1 1/4"
Filling / Discharging	inch	1/2"	1/2"	1/2"
Electric Connection	W/Hz	230/50	230/50	230/50
Dimensions	Width (W)	mm	960	1020
	Depth (D)	mm	700	700
	Height (H)	mm	1115	1230
	Outlet Line Height (h ₁)	mm	960	1085
	Inlet Line Height (h ₂)	mm	195	195
	Height of Filling and Discharging Line (H ₂)	mm	190	190
	Distance Between Inlet/Outlet Lines (W1)	mm	745	807
	Flue Height (H4)	mm	960	1020
	Width Including Cleaning Lever (W2)	mm	1015	1080
	Flue Included Depth (D2)	mm	755	755
	Flue Diameter	mm	128	150

technopel series

Compact PELLET BOILER

FEATURES

- A+ Efficiency Class
- 5. Class (Top Class) Boiler Energy Class
- New Generation, Multifunctional, Digital Control Board
- Electronic Card Controlled Ignition System
- Fuel Level Follow Function
- Flue Temperature Viewing Function
- Combustion Basket Made of High Quality Stainless Steel
- Slag Prevention System in Basket
- Compact Structure with Pump, Expansion Tank and Safety Valve Required for The Heating System

“Full Automatic
Compact
Pellet Boiler”



Pellet Fuel Compability: Technopel series boilers are designed to use renewable and environmentally friendly fuels such as pellets

Compact Structure: Technopel series boilers have a compact structure suitable for narrow spaces. This is especially ideal for homes or businesses where space is tight.

Integrated Heating Equipment: Technopel series includes all the equipment necessary for the operation of a heating system. This eliminates the need to purchase or install additional equipment.

Comfort and Economic Heating: Ünmak Technopel series offers its users both a comfortable and economical heating solution. Energy efficiency means cost savings in the long run.

Ease of Use: Technopel series is equipped with easy-to-use features, so it can be used easily by everyone. The Technopel series offers a convenient, efficient and environmentally friendly heating solution for modern homes and workplaces. It is especially ideal for users switching to renewable energy sources.

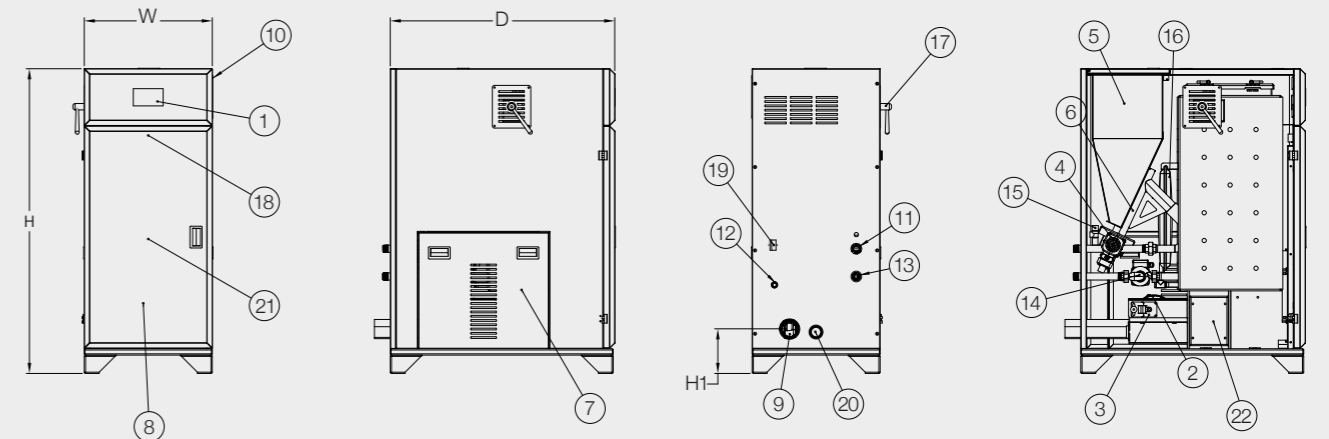
High Efficiency: High efficiency allows fuel to be used for longer periods of time. Therefore, the frequency of refueling is reduced, saving users time and money

Continuous Use: Technopel series can operate continuously for 1 to 3 days with fuel filled at a time. This is especially important for the need for uninterrupted heating during the cold winter months.

Environment Friendly Emissions: The device is environmentally friendly thanks to the low emissions it emits from the Flue. This reduces negative impacts on air quality and facilitates compliance with environmental regulations.



FEATURES



- | | | | |
|-----------------------|---|----------------------|----------------------------|
| 1- Control Board | 6- Feeding Screw | 11- Heating Inlet | 16- Closed Expansion Tank |
| 2- Fan | 7-Service Side Cover | 12- Load/Discharge | 17- Ash Cleaning Lever |
| 3- Cleaning Reducer | 8-ServiceFront Cover | 13- Heating Outlet | 18- Manometer |
| 4- Feeding Reducer | 9- Flue | 14- Circulation Pump | 19- Energy on/off Key |
| 5- Fuel Tank (Bunker) | 10- Additional Bunker Connection Flange | 15- Safety Valve | 20- Fresh Air Suction Tube |
| | | | 21- Accessories |
| | | | 22- Ash Cleaning |

TECHNICAL FEATURES

		15	24	36	48
Fuel Type	-	Wood Pellet	Wood Pellet	Wood Pellet	Wood Pellet
Rated Power	kW	15	24	36	48
Minimum Power	kW	5	7,2	10,8	14,4
Max. Power Efficiency	%	92,03	93,22	93,62	94,02
Min. Power Efficiency	%	93,15	93,87	94,07	94,27
Fuel Capacity	kg	45	55	75	100
Water Volume	lt	40	55	90	126
Boiler Weight	kg	220	250	300	350
Desired Traction on the Flue	mbar	0,09	0,10	0,10	0,10
Flue Temperature	°C	130	144	150	156
Minimum Inlet Water Temperature	°C	40	40	40	40
Maximum Working Pressure	bar	3	3	3	3
Test Pressure	bar	5	5	5	5
Temperature Control Range	°C	40-80	40-80	40-80	40-80
Maximum Operating Temperature	°C	80	80	80	80
Heating Inlet/Inlet	inch	1"	1"	1"	1 1/4"
Filling and Draining	inch	1/2"	1/2"	1/2"	1/2"
Electrical connection	V /Hz	230/50	230/50	230/50	230/50
Dimensions	Width (W)	mm	600	600	600
	Depth (D)	mm	1053	1053	1130
	Height (H)	mm	1050	1250	1427
	Flue Height (H1)	mm	208	208	208
	Flue Diameter	mm	80	80	80



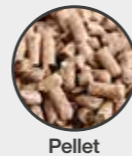
ÜKY/DUOPEL SERIES

Pellet or Wood Fuel BOILER

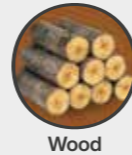
FEATURES

- Automatic ignition comfort from the control panel
- High efficiency with automatic pellet burner
- Flue temperature monitoring with Flue sensor
- Fuel control with fuel level sensor
- Ability to burn wood with a water pipe wood grade
- Easy cleaning thanks to heat strips
- Full electronic control board

*“Automatic
Fuel Feeding
Pellet Boiler”*



Pellet



Wood

Multiple Fuel Option: The ability to use both wood pellets and wood provides flexibility to the user. This offers economic advantages due to ease of access to different types of fuel.

Stainless Steel Burner Surfaces: This feature increases the durability of the boiler and ensures long-lasting use.

Automatic Fuel Loading and Combustion Control: Provides easy one-button operation and offers comfort and convenience to the user.

Automatic Ignition Function: Provides easy one-button operation and offers comfort and convenience to the user.

Fuel Sensor: It warns when fuel runs out, eliminating the need for constant control and is user-friendly.

Prismatic Body and Ergonomic Design: Provides easy installation in narrow spaces Fan Support: Provides rapid heating and combustion optimization.

Room Thermostat Connection: Remote temperature adjustment provides comfort.

Thermal Insulated Body: Provides energy saving. Burning Delay and Automatic Stop Feature: Provides energy saving and ease of use.

Covers Designed for Easy Use: Make fuel filling, cleaning and ash removal easier.

Stylish and Durable Design: Protection with electrostatic powder paint and special wet paint.

3 Pass Structure: Transfers heat energy to water more effectively and reduces emissions.

Sectioned Structure: Offers advantages in easy cleaning and Flue draft.

Digital Control Board: Provides easy adjustment for precise thermostat control and fuel loading settings. Flue Temperature Monitoring: It is important for the efficiency and safety of the boiler.



Heat Slices



Automatic Fuel Loading



Manual Wood Loading



Ashtray



Wet Grill for Wood Burning



Large Fuel Tank



Digital Control Board



Sensitive Digital Temperature



Hardened Screw



Powerful Fan

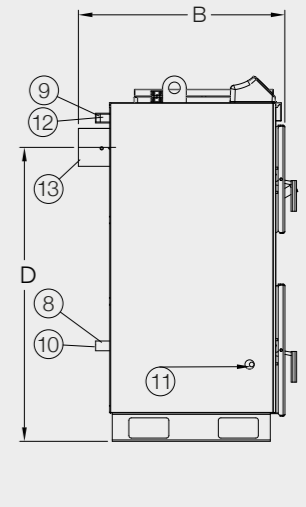
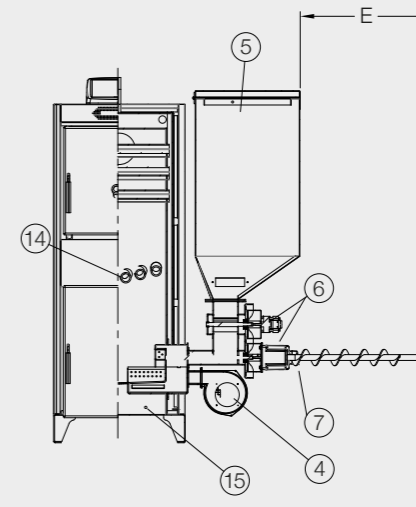
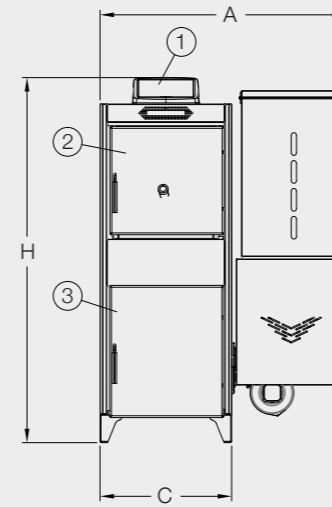


Powerful Reducer



Automatic Ignition

FEATURES



- | | | | |
|----------------------|-----------------------|----------------------|---------------|
| 1- Control Board | 5- Bunker (Fuel Tank) | 9- Heating Outlet | 13- Flue |
| 2- Wood Loading Door | 6- Reducer | 10- Expansion Inlet | 14- Wet Grill |
| 3- Ash Cleaning Door | 7- Screw & Shaft | 11- Load / Discharge | 15- Ashtray |
| 4- Fan | 8- Heating Inlet | 12- Expansion Outlet | |

TECHNICAL FEATURES

		25	40	60	80	100
Fuel Type	-	Wood Pellet, Wood	Wood Pellet, Wood	Wood Pellet, Wood	Wood Pellet, Wood	Wood Pellet, Wood
Heating Power	kW	25	40	60	80	100
Brochure Barrel Length	mm	250	250	250	305	305
Bunker Capacity	lt	215	245	245	245	245
Wood Loading Capacity	lt	48	60	75	80	98
Water Volume	lt	80	115	150	210	255
Boiler Weight	kg	303	340	438	566	667
Desired Traction on the Flue	Pa	25-28	31-33	33-35	35-40	35-40
Temperature Control Range	°C	80	80	80	80	80
Installation Inlet Temperature (Recommended)	°C	40	40	40	40	40
Maximum Working Pressure	bar	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5
Dimensions	Boiler Width (A)	mm	1090	1090	1185	1272
	Depth (B)	mm	975	1075	1075	1275
	Body Width (C)	mm	550	550	645	645
	Flue Connection Height (D)	mm	1165	1265	1265	1265
	Total Boiler Height (H)	mm	1475	1575	1575	1575
	Screw Removal Distance (E)	mm	600	600	600	600
Flue Diameter	mm	130	160	180	220	220
Maximum Flue Temperature	°C	230	230	230	230	230
Plumbing Inlet and Inlet Pipes	R"	1"	1 1/4"	1 1/2"	2"	2"
Expansion Inlet Pipes	R"	1"	1"	1 1/4"	1 1/2"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230/50	230/50	230/50	230/50	230/50



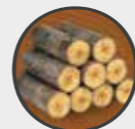
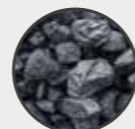
ÜKY/W SERIES

Wood Fuel BOILER

FEATURES

- Thermostatic regulator
- 18-60 kW power range
- Comfort
- Efficient

“Manual
Fuel Loading
Wood and Coal
Boiler”



The features of Ünmak ÜKY/W series solid fuel boilers offer users an economical and effective way to heat up by burning wood and coal. The main features and advantages of these boilers are:

Design for Wood and Coal Burning: These boilers are specifically designed to burn wood, providing an ideal solution for areas where wood is easily and economically available locally.

Various Capacities: ÜKY/W series is available in different capacities, thus offering suitable options for spaces of different sizes and heating needs.

User Friendly and Comfortable: These boilers are designed to provide an easy-to-use and comfortable heating experience.

Chain Mechanical Thermostat: Chain mechanical thermostat facilitates temperature control of the boiler and enables it to operate with natural draft.

Operation Without Electricity: The absence of any electrically operated parts other than the pump allows heating to continue even during power outages and provides energy independence. This is a huge advantage, especially for regions where the electrical infrastructure is unreliable or frequently interrupted.

Energy Efficient and Environment Friendly: Wood is a renewable energy source and is considered carbon neutral. When burned correctly and efficiently, these boilers provide an environmentally friendly heating option

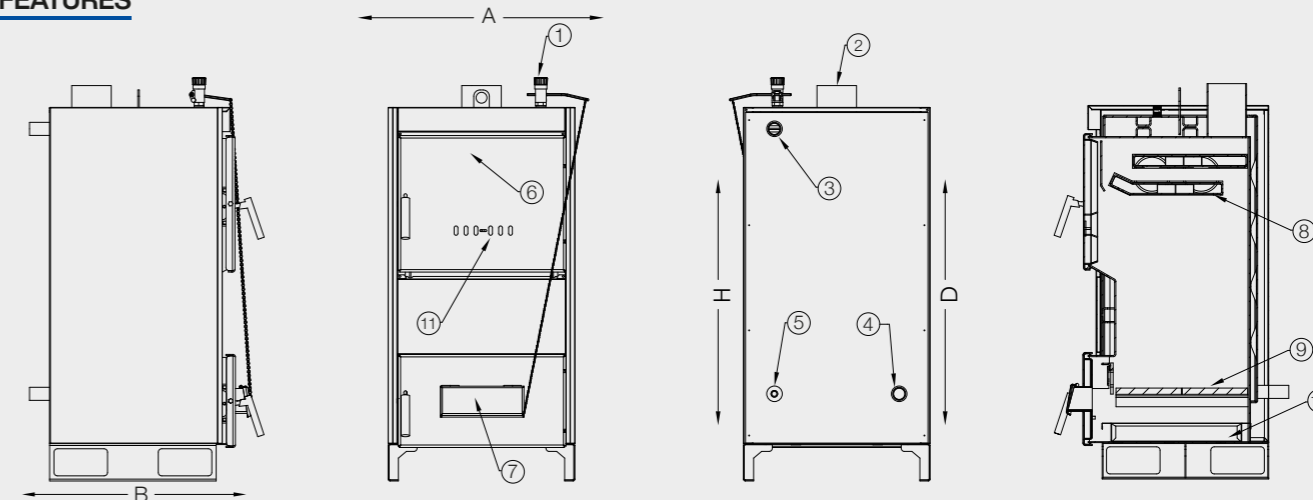
Long Lasting and Durable Design: ÜKY/W series solid fuel boilers are made of steel and have a long life.

Ünmak ÜKY/W Series Boilers, offer an efficient and reliable heating solution, especially in regions where wood and coal are easily available and power outages are frequent. These boilers can be suitable for both individual and small-scale commercial spaces.

Double Fuel Burning: ÜKY/W series boilers provide flexibility in use as they can burn wood and coal at the same time.



FEATURES



- | | | | |
|---------------------------|----------------------|--------------------|----------------------------|
| 1- Thermostatic Regulator | 4- Heating Inlet | 7- Air Valve | 10- Ashtray |
| 2- Flue | 5- Expansion Tank | 8- Heat Sections | 11- Secondary Air Entrance |
| 3- Heating Outlet | 6- Wood Loading Door | 9- Cast Iron Grill | |

TECHNICAL FEATURES

		18	25	35	45	60
Fuel Type		Wood - Coal				
Heating Power (Coal)	kW	16-18	23-25	32-35	42-45	57-60
	kcal/h	14,630-15,500	19,780 - 21,500	27,250 - 30,100	36,120 - 38,700	49,020 - 51,600
Heating Power (Wood)	kW	14-15	20 - 22	27 - 30	34 - 37	49 - 52
	kcal/h	12,048-12,900	17,200 - 18,920	23,220 - 25,800	29,240 - 31,820	42,140 - 44,720
Combustion Chamber Height	mm	295	395	395	450	450
Combustion Chamber Width	mm	355	355	500	500	500
Combustion Chamber Depth	mm	400	400	450	500	600
Combustion Chamber Volume	lt	41,9	56,1	88,9	112,5	135
Loading Neck Dimensions	mm	355x180	355x180	500x180	500x180	500x180
Water Volume	lt	45	55	70	80	100
Boiler Weight	kg	184	206	240	270	295
Desired Traction on the Flue	mbar	0,15 - 0,20	0,15 - 0,20	0,15 - 0,20	0,20 - 0,30	0,25 - 0,35
Temperature Control Range	°C	40-90	40-90	40-90	40-90	40-90
Inlet Temperature (Recommended)	°C	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5
Dimensions	Width (A)	mm	500	500	600	600
	Height (B)	mm	595	595	650	750
	Flue Connection Height (d)	mm	1100	1200	1200	1200
	Boiler Total Height (h)	mm	1210	1310	1310	1310
Flue Gas Connection Diameter (Flue)	mm	130	130	130	160	160
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210
Boiler Outlet - Inlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	1/2"



ÜKY/DUO SERIES COAL and Wood Fuel BOILER

FEATURES

- High combustion efficiency with cylindrical combustion pot
- Ability to burn granular fuels up to 25 mm in diameter such as coal, hazelnut shells, fruit seeds
- Ability to burn block wood with a water pipe wood grill
- Easy cleaning thanks to heat strips
- Full electronic control panel

*“Automatic
Fuel Loading
Coal or Wood
Boiler”*



Special Cast Basket Design: Its ability to burn all kinds of domestic and foreign lignite allows the use of a wide range of fuel.

Double Fuel Use: Being suitable for both coal and log wood, it offers flexible fuel options.

Automatic Fuel Loading: Automatic fuel loading according to thermal need increases energy efficiency and prevents excessive fuel use.

Manual Wood Burning Option: When the charcoal runs out, manual use is possible by loading wood onto the wet grills.

Prismatic Body and Ergonomic Design: Provides ease of installation in narrow spaces.

3 Pass Structure: Transfers the heat energy in the smoke to water more efficiently and reduces emissions.

Sectioned (Water Jacketed-Buffered) Structure: Provides ease of cleaning and Flue drafting.

Digital Control Board: Useful for precise thermostat control, fuel loading and temperature settings.

Burning Delay Function: Provides the option of shutting down the boiler and postponing combustion when the outside temperature is high.

Automatic Stop Function: It saves energy by automatically stopping the fan and circulation pump when the fuel runs out.

Easy Use: Large filling, cleaning and ash removal covers make it easy to use.

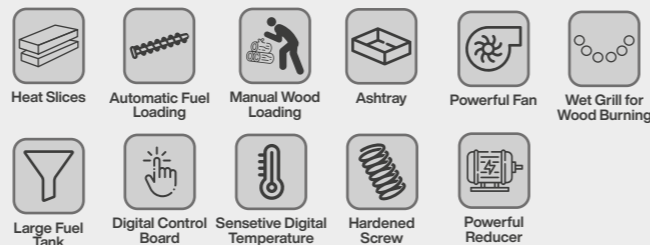
Stylish Appearance: The outside of the boiler is protected with electrostatic powder paint and special wet paint.

Widespread Service Network and Spare Parts Service: Throughout Türkiye
There is an extensive service and spare parts network.

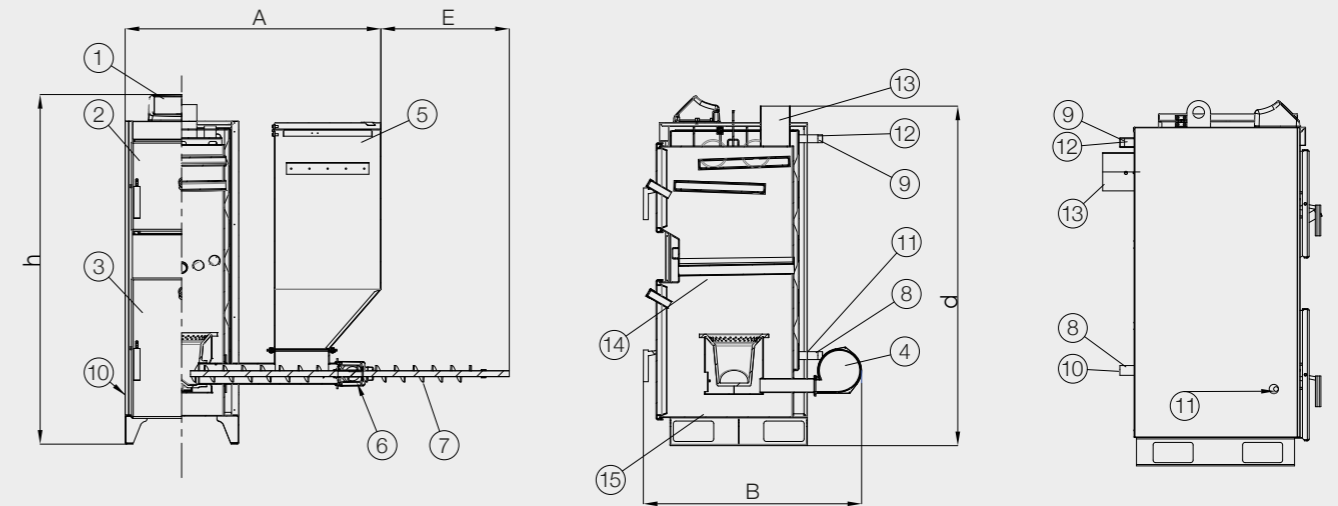
2 Year Warranty: A 2 year warranty is offered against manufacturing defects. ÜNMAK ÜKY/DUO series heating boilers offer a suitable, efficient, convenient and environmentally friendly heating solution for both home and commercial use.

Fan Support: Provides rapid temperature reaching and combustion optimization.

Room Thermostat Connectivity: Provides the comfort of adjusting the boiler water temperature remotely.



FEATURES



- | | | | |
|----------------------|-----------------------|----------------------|---------------|
| 1- Control Board | 5- Bunker (Fuel Tank) | 9- Heating Outlet | 13- Flue |
| 2- Wood Loading Door | 6- Reducer | 10- Expansion Inlet | 14- Wet Grill |
| 3- Ash Cleaning Door | 7- Screw and Pin | 11- Load / Discharge | 15- Ashtray |
| 4- Fan | 8- Heating Inlet | 12- Expansion Outlet | |

TECHNICAL FEATURES

		25	40	60	80	100
Fuel Type		Coal - Wood				
Heating Power	kW	29	52	70	93	116
	kcal	25.000	40.000	60.000	80.000	100.000
Burning Pot Diameter	mm	330	400	400	400	400
Fuel Capacity	lt	240	265	265	265	265
Water Volume	lt	80	115	150	210	255
Boiler Weight	kg	320	359	460	595	703
Desired Draft in Flue	Pa	25-28	31-33	435	520	595
Temperature Control Range	°C	80	80	80	80	80
Installation Inlet Temperature	°C	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5
Dimensions	Boiler Width (A)	mm	1090	1090	1185	1272
	Depth (B)	mm	975	1075	1075	1275
	Body Width (C)	mm	550	550	645	732
	Flue Connection Height (D)	mm	1165	1265	1265	1265
	Screw Removal Distance (E)	mm	1410	1410	1750	1860
	Total Boiler Height(H)	mm	1475	1575	1575	1575
FlueGas Connection Diameter		mm	130	160	180	220
Min-Max Flue Tempure		°C	170-210	170-210	170-210	170-210
Boiler Outlet-Inlet		R"	1"	1 1/4"	1 1/2"	2"
Safety Outlet-Inlet		R"	1"	1 1/4"	1 1/2"	1 1/2"
Filling and Draining		R"	1/2"	1/2"	3/4"	3/4"
Electrical Connection		V/Hz	230/50	230/50	230/50	230/50



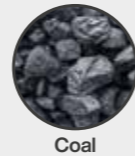
ÜKY/Y SERIES

Coal Fuel BOILER

FEATURES

- Touchscreen
- Automatic Loading
- 3 Pass
- High Efficiency

*“Automatic
Fuel Loading
Coal Boiler”*



High Efficiency: The ability to efficiently burn fuels such as rice and hazelnut coal of 10 – 25 mm size provides an economical heating solution.

Long-Lasting and Durable Design: Its production in accordance with European standards and special flame tubes ensure long-lasting and durable use.

Three-Pass Combustion System: This system is optimized for rapid heating and reduction of fuel consumption.

Electronic Control Panel: All functions of the boiler can be easily controlled via a modern electronic panel. This provides the user with ease of use and precise temperature control.

Automatic Stop Feature: When the fuel runs out, the fan and circulation pump stop automatically, which saves energy.

Easy Installation: Ease of installation is provided in areas with narrow entrances.

2 Year Warranty: A two-year warranty is offered against manufacturing defects. These features make ÜNMAK ÜKY/Y series a suitable, economical and user-friendly solution for various usage areas.

Ideal Combustion: Thanks to the bottom-fed fuel system, continuous and effective combustion is achieved, and a clean and smokeless combustion is achieved.

Combustion Delay: The ability to postpone combustion according to the outside air temperature prevents unnecessary fuel consumption and saves energy.



Smoke Tubes



Automatic Fuel Loading



Ashtray



Powerful Reducer



Large Fuel Tank



Digital Control Board



Sensitive Digital Temperature

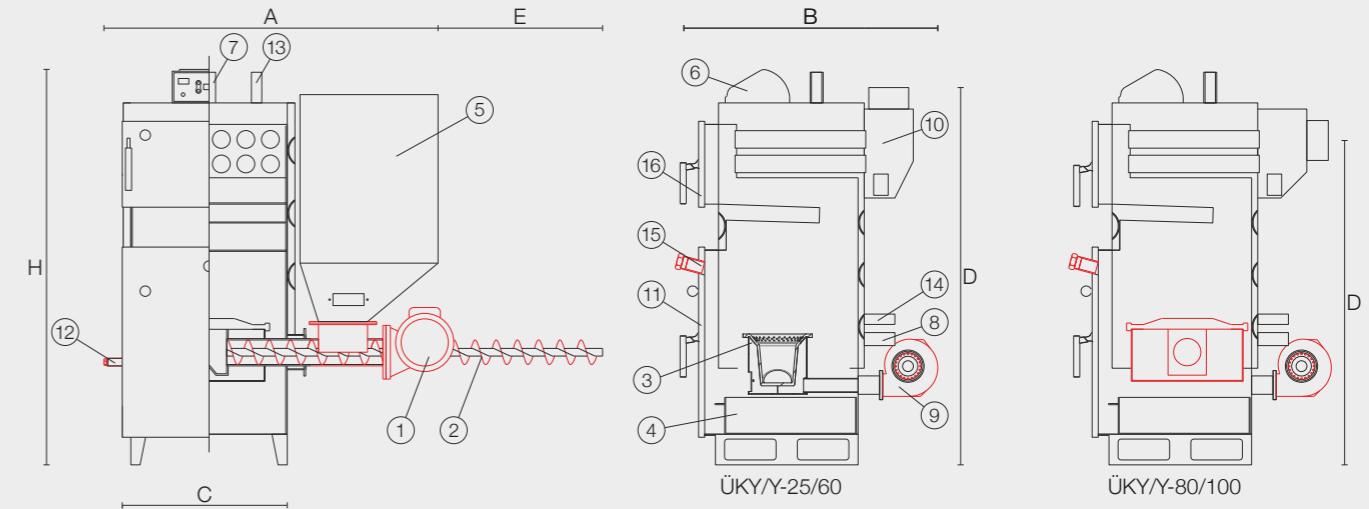


Hardened Screw



Powerful Fan

FEATURES



- | | | | |
|------------|---------------------|--------------------------|-------------------------------|
| 1- Reducer | 5- Bunker | 9- Fan | 13- Safety Outlet |
| 2- Screw | 6- Control Board | 10- Flue | 14- Safety Inlet |
| 3- Basket | 7- Hot Water Outlet | 11- Ash Discharge Door | 15- Sight Glass |
| 4- Ashtray | 8- Hot Water Inpt | 12- Water Fill/Discharge | 16- Smoke Pipes Cleaning Door |

TECHNICAL FEATURES

		25	34	45	60	80	100
Fuel Type		Coal					
Heating Power	kW	29	40	52	70	93	116
	kcal	25.000	34.000	45.000	60.000	80.000	100.000
Burning Pot Diameter	mm	330	330	400	400	400	470
Fuel Capacity	kg	120	120	150	150	190	190
Water Volume	lt	75	85	107	138	206	249
Boiler Weight	kg	295	333	385	436	539	639
Desired Traction on the Flue	mbar	0,25-0,28	0,28-0,31	0,31-0,33	0,33-0,35	0,35-0,40	0,35-0,40
Temperature Control Range	°C	45-85	45-85	45-85	45-85	45-85	45-85
Installation Inlet Temperature (Recommended)	°C	35	35	35	35	35	35
Maximum Operating Pressure	bar	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5
Dimensions	Boiler Width (A)	mm	1100	1180	1180	1250	1380
	Depth (B)	mm	930	840	990	1100	1460
	Body Width (C)	mm	535	625	625	625	740
	Flue Connection Height (D)	mm	1230	1320	1360	1360	1150
	Screw Removal Distance (E)	mm	820	850	850	850	920
	Total Boiler Height (H)	mm	1270	1350	1420	1420	1420
	Total Boiler Height (H)	mm	1270	1350	1420	1420	1420
Flue Gas Connection Diameter (Flue)	mm	130	130	160	180	220	220
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"
Expansion Tank Outlet Inlet	R"	1"	1"	1"	1"	1"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50



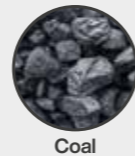
ÜKY/Y-KB SERIES

Coal Fuel BOILER

FEATURES

- Touchscreen Control
- Automatic Loading
- 3 Pass
- High Efficiency
- Ash Removal

*“Automatic
Fuel Loading and
Ash Removal
Coal Boiler”*



High Efficiency: The ability to efficiently burn cheap fuels such as rice and hazelnut coal in sizes 10 – 25 mm provides an economical heating solution.

Long-Lasting and Durable Design: Its production in accordance with European standards and special flame tubes ensure long-lasting and durable use.

Three-Pass Combustion System: This system is optimized for rapid heating and reduction of fuel consumption.

Electronic Control Panel: All functions of the boiler can be easily controlled via a modern electronic panel. This provides the user with ease of use and precise temperature control.

Ideal Combustion: Thanks to the bottom-feed fuel system, continuous and effective combustion is achieved, and a clean and smokeless combustion is achieved.

Combustion Delay: The ability to postpone combustion according to the outside air temperature prevents unnecessary fuel consumption and saves energy.

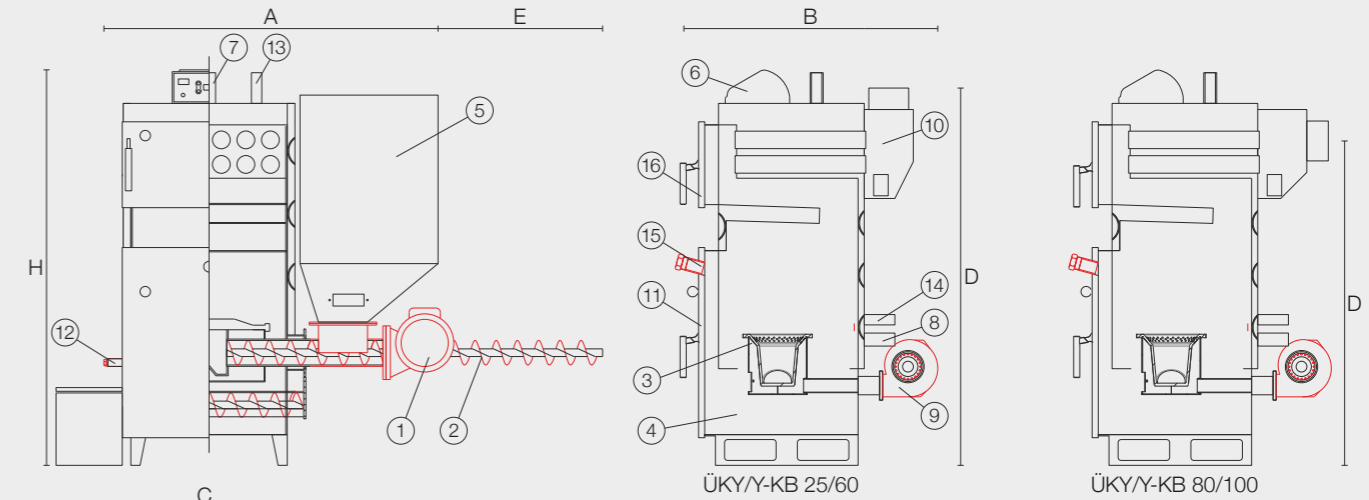
Automatic Stop Feature: When the fuel runs out, the fan and circulation pump stop automatically, which saves energy.

Easy Installation: Ease of installation is provided in areas with narrow entrances.

2 Year Warranty: A two-year warranty is offered against manufacturing defects. These features make the ÜNMAK ÜKY/Y-KB series a suitable, economical and user-friendly solution for various usage areas.



FEATURES



- | | | | |
|------------|-----------------------|----------------------------|-------------------------------|
| 1- Reducer | 5- Bunker (Fuel Tank) | 9- Fan | 13- Safety Outlet |
| 2- Screw | 6- Control Board | 10- Flue | 14- Safety Inlet |
| 3- Basket | 7- Hot Water Outlet | 11- Ash Removal Door | 15- Sight Glass |
| 4- Ashtray | 8- Hot Water Inlet | 12- Water Fill / Discharge | 16- Smoke Pipes Cleaning Door |

TECHNICAL FEATURES

		25	34	45	60	80	100
Fuel Type		Coal					
Heating Power	kW	29	40	52	70	93	116
	kcal	25.000	34.000	45.000	60.000	80.000	100.000
Burning Pot Diameter	mm	330	330	400	400	400	470
Fuel Capacity	kg	120	120	150	150	190	190
Water Volume	lt	75	85	107	138	206	249
Boiler Weight	kg	300	325	390	425	510	590
Desired Traction on the Flue	mbar	0,25-0,28	0,28-0,31	0,31-0,33	0,33-0,35	0,35-0,40	0,35-0,40
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature (Recommended)	°C	40	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5
Dimensions	Boiler Width (A)	mm	1100	1180	1180	1250	1380
	Depth (B)	mm	930	840	990	1100	1370
	Body Width (C)	mm	535	625	625	625	740
	Flue Connection Height (D)	mm	1230	1320	1360	1360	1220
	Screw Removal Distance (E)	mm	820	850	850	850	1000
	Total Boiler Height (H)	mm	1270	1350	1420	1420	1480
Flue Gas Connection Diameter (Flue)	mm	130	130	160	180	220	220
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	1"	1 1/4"	1 1/4"	1 1/2"	1 1/4"	2"
Expansion Tank Outlet Inlet	R"	1"	1"	1"	1"	1"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230/50	230/50	230/50	230/50	230/50	230/50

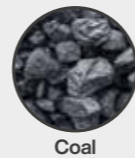
ÜKY/Y-D2 SERIES

Coal Fuel BOILER

FEATURES

- Touchscreen Control
- Automatic Loading
- 4 Pass with Heat Slices
- High Efficiency

“Automatic
Fuel Loading
Coal Boiler”



Suitability for Large Coal Fuels Up to 25 mm Diameter: The fact that this series is designed to burn large coal fuels up to 25 mm diameter allows the use of different coal types.

High Efficiency: These boilers, produced in various capacities, minimize energy consumption thanks to their high efficiency.

Long Life and Durability: Boilers produced in accordance with European standards offer long-lasting and durable use.

4-Pass Combustion System: Provides fast and efficient heating thanks to the 4-pass combustion system equipped with special heat slices (water jackets).

Electronic Control Panel: Easily controlling all functions via a modern electronic panel provides ease of use.

High Capacity Fuel Tank: Large capacity tank that does not require long-term fuel supply increases ease of use.

Ideal and Clean Combustion: The bottom-fed fuel system ensures continuous and efficient combustion, minimizing waste that pollutes the environment.

Combustion Delay Feature: The ability to postpone combustion according to outside weather conditions saves energy and prevents unnecessary fuel consumption.

Automatic Stop Feature: Automatic stopping of the fan and circulation pump when fuel runs out further increases energy saving.

Easy Installation: Mounting options suitable for narrow spaces are available.

2 Year Warranty: A two-year warranty against manufacturing defects is important for reliability and customer satisfaction. These features show that ÜNMAK ÜKY/Y-D2 series is an efficient and user-friendly heating solution that can appeal to a wide range of users.



Heat Slices



Automatic Fuel Loading



Ashtray



Large Fuel Tank



Digital Control Board



Sensitive Digital Temperature



Hardened Screw

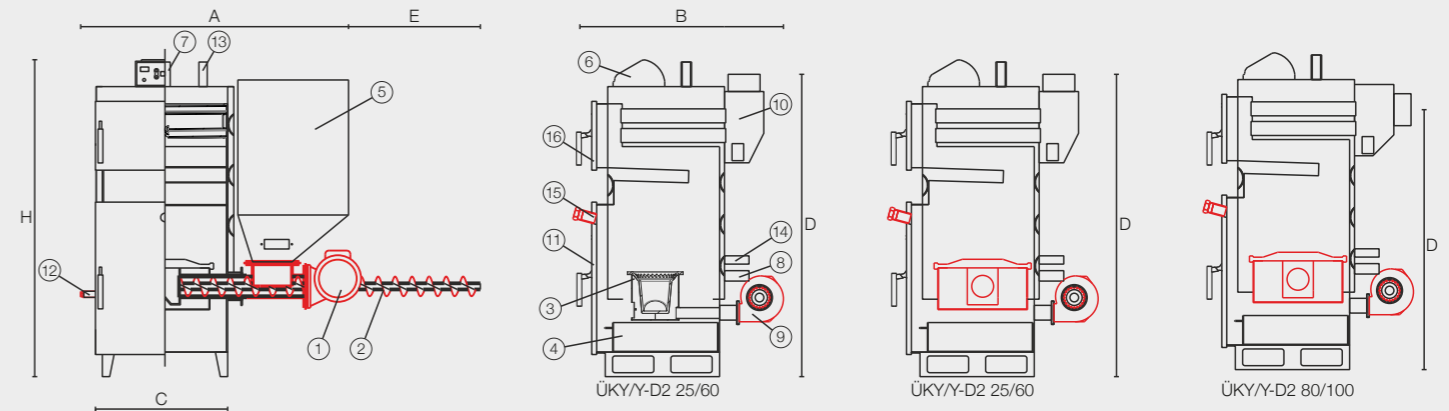


Powerful Fan



Powerful Reducer

FEATURES



- | | | | |
|------------|---------------------|----------------------------|-------------------------------|
| 1- Reducer | 5- Bunker | 9- Fan | 13- Safety Outlet |
| 2- Screw | 6- Control Board | 10- Flue | 14- Safety Inlet |
| 3- Basket | 7- Hot Water Outlet | 11- Ash Removal Door | 15- Sightglass |
| 4- Ashtray | 8- Hot Water Inlet | 12- Water Fill / Discharge | 16- Smoke Pipes Cleaning Door |

TECHNICAL FEATURES

		25	40	60	80	100
Fuel Specifications		Coal				
Heating Power	kW	29	46	70	93	116
	kcal	25.000	40.000	60.000	80.000	100.000
Burning Pot Diameter	mm	Ø295	345x345	345x345	400x400	400x400
Fuel Capacity	kg	120	150	150	190	190
Water Volume	lt	75	107	138	206	249
Boiler Weight	kg	284	360	410	525	628
Desired Traction on the Flue	mbar	0,25-0,28	0,31-0,33	0,33-0,35	0,35-0,40	0,35-0,40
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature (Recommended)	°C	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5
Dimensions	Boiler Width (A)	mm	1100	1190	1190	1275
	Depth (B)	mm	880	880	1041	1260
	Body Width (C)	mm	515	660	660	660
	Flue Connection Height (D)	mm	1275	1452	1452	1452
	Screw Removal Distance (E)	mm	510	510	510	510
	Total Boiler Height (H)	mm	1320	1465	1465	1465
Flue Gas Connection Diameter (Flue)	mm	130	180	180	180	180
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210
Boiler Outlet - Inlet	R"	1"	1"	1 1/2"	2"	2"
Expansion Tank Outlet - Inlet	R"	1"	1"	1"	1 1/2"	2 1/2"
Filling and Draining	R"	1/2"	1/2"	1 1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230/50	230/50	230/50	230/50	230/50

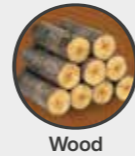
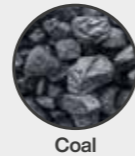


ÜKY SERIES Wood and Coal BOILER

FEATURES

- Electronic and Temperature Controlled Thermal Control
- Solid Fuel
- 3 Pass
- High Efficiency
- Combustion Continuity 1 - 3 Days

“Manual Fuel
Loading Wood and
Coal Boiler”



ÜNMAK ÜKY Series floor heaters are designed to be suitable for wood and coal fuels and are equipped with a number of features, which are important in terms of both ease of use and efficiency.

Multi-Fuel Compatibility: Being able to work with different fuels such as wood and coal provides flexibility to users.

High Efficiency: These boilers, produced in various capacities, reduce fuel consumption thanks to their energy efficient designs.

Comfortable Warm-Up: Its design prioritizes user comfort, making the warm-up process more comfortable.

Durability and Longevity: Production in accordance with European standards ensures the long life of the product.

2-Pass Combustion System: 3-pass combustion system equipped with special flame pipes provides fast and effective heating.

Automatic Control: Thanks to the modern designed electronic control panel, all functions of the boiler can be controlled automatically.

Large Fuel Chamber: Large capacity fuel chamber, which provides combustion continuity for 1-3 days, reduces the need for frequent fuel refilling.

Combustion Delay: The feature of delaying combustion according to the outside air temperature saves energy.

Ease of Use: Large filling and ash removal caps make it easy to use.

Complete Combustion: Complete combustion of fuel is achieved with specially designed valves and thermostat control, which makes fuel consumption economical.

Ease of Use: Large filling and ash removal caps make it easy to use.

Automatic Stop Feature: Automatic stopping of the fan and circulation pump when fuel runs out saves energy.

Room Thermostat: Thanks to the room thermostat, the temperature control of the boiler can be done remotely.

Environmentally Friendly: Clean and smokeless combustion is achieved thanks to balanced air distribution.

Small Size: Its compact design, suitable for narrow spaces, does not take up space and makes installation easier.

2-Year Warranty: Two-year warranty against manufacturing defects increases product reliability.



Smoke Tubes



Manual Fuel Loading



Ashtray



Mechanical Ash Cleaning



Large Burning



Digital Control Board

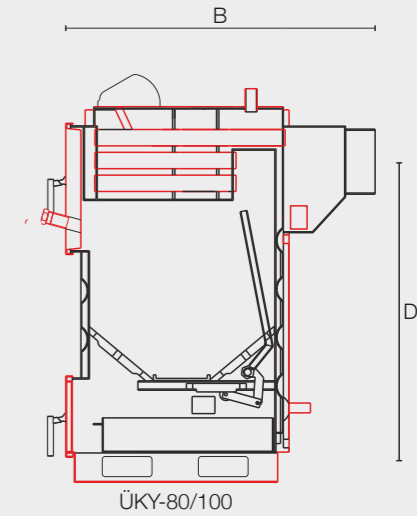
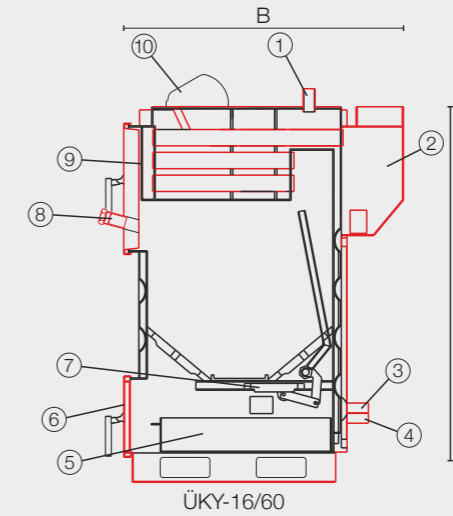
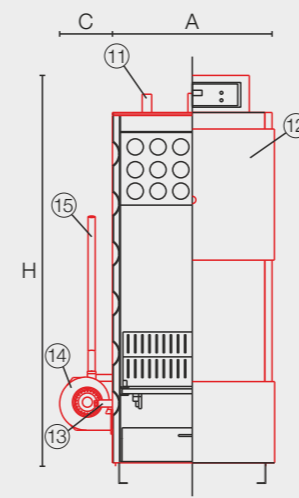


Sensitive Digital Temperature



Powerful Fan

FEATURES



- 1- Expansion Outlet
- 2- Flue
- 3- Hot Water Inlet
- 4- Expansion Inlet

- 5- Ashtray
- 6- Ash Removal Door
- 7- Mobile Cast Grill
- 8- Sight Glass

- 9- Flame Inlet Door
- 10- Control Board
- 11- Hot WaterOutlet
- 12- Fuel Discharge Door

- 13- Load / Discharge
- 14- Fan
- 15- Ash Removal Lever

TECHNICAL FEATURES

		16	25	34	45	60	80	100
Fuel Type		Wood - Coal						
Heating Power	kW	19	29	40	52	70	93	116
	kcal/h	16.000	25.000	34.000	45.000	60.000	80.000	100.000
Combustion Chamber Height	mm	370	370	440	440	440	440	400
Combustion Chamber Width	mm	300	355	500	500	500	500	585
Combustion Chamber Depth	mm	430	500	430	510	660	850	850
Combustion Chamber Volume	dm3	47,7	65,7	94,6	112,2	145,2	187,0	198,9
Fuel Supply Network	mm	150x300	180x355	190x500	190x500	190x500	190x500	190x585
Water Volume	lt	45	70	80	100	130	200	240
Boiler Weight	kg	194	235	270	320	370	475	592
Desired Traction on the Flue	mbar	0,15-0,20	0,15-0,20	0,20-0,30	0,25-0,35	0,25-0,35	0,30-0,40	0,30-0,40
Temperature Control Range	°C	45-85	45-85	45-85	45-85	45-85	45-85	45-85
Installation Inlet Temperature (Recommended)	°C	35	35	35	35	35	35	35
Maximum Operating Pressure	bar	3	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5	5
Dimensions	Width (A)	mm	425	485	625	625	625	740
	Depth (B)	mm	800	880	800	920	1080	1415
	Fan Connection Width (C)	mm	200	200	200	200	200	250
	Flue Connection Height (D)	mm	1230	1230	1320	1410	1410	1310
	Boiler Total Height (H)	mm	1320	1320	1400	1480	1480	1565
Flue Gas Connection Diameter (Flue)	mm	130	130	130	160	180	220	220
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet - Inlet	R"	1"	1"	1 1/4"	1 1/4"	1 1/2"	2"	2"
Expansion Tank Outlet Inlet	R"	3/4"	1"	1"	1"	1"	1"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz



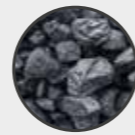
ÜKY/D2 SERIES

Coal and Wood Fuel **BOILER**

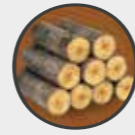
FEATURES

- Electronic and Automatic Heat Control
- Automatic Loading
- 4 Pass
- High Efficiency

“Manual
Fuel Loading
Wood and Coal
Boiler”



Coal



Wood

Solid Fuel Compatibility: Suitable for solid fuels such as wood and coal, the design offers flexible fuel options.

Continuous Burning: 1-3 days continuous burning capability reduces the need for frequent refueling.

Improved Heat Transfer: Heat transfer slices used instead of pipes allow the boiler to be cleaned less frequently, which provides ease of maintenance.

High Efficiency: It minimizes fuel consumption by providing fast and effective heating with special 4-pass heat transfer slices.

Modern Control Panel: All functions of the boiler are automatically controlled with the electronic control panel.

Complete Combustion: Complete combustion is achieved with the help of a flap fan and a constant temperature is achieved with thermostat control.

Combustion Delay: The feature of delaying combustion according to the outside air temperature may last up to 24 hours depending on the coal quality.

Ease of Use: Easy fuel filling, ignition and ash removal thanks to large filling and ash collection caps. makes it easier.

Automatic Stop Feature: Automatic stopping of the fan and circulation pump when fuel runs out saves energy.

Remote Control: It is possible to control the temperature remotely with the addition of a room thermostat.

Environmentally Friendly: Thanks to air distribution, clean and smokeless combustion is ensured and environmental impacts are minimized.

Ergonomic Design: It takes up little space thanks to its design suitable for narrow spaces.

2 Year Warranty: Two-year warranty against manufacturing defects.

These features make ÜNMAK ÜKY/D2 Series floor heaters an ideal heating solution for both homes and workplaces. Its high efficiency, environmentally friendly approach and ease of use make this series stand out.



Heat Slices



Manual Fuel Loading



Mechanical Ash Cleaning



Ashtray



Large Burning



Digital Control Board

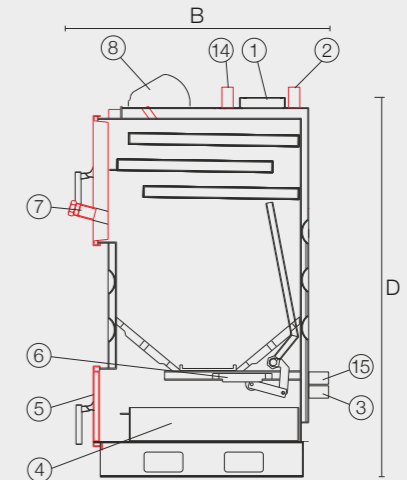
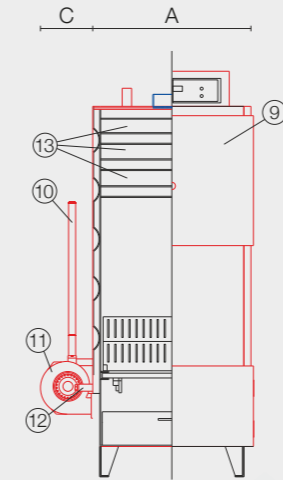


Sensitive Digital Temperature



Powerful Fan

FEATURES



- 1- Flue
- 2- Hot Water Outlet
- 3- Hot Water Inlet
- 4- Ashtray
- 5- Ash Removal Door

- 6- Mobile Cast Grill
- 7- Sight Glass
- 8- Control Board
- 9- Fuel Discharge Door
- 10- Ash Removal Lever

- 11- Fan
- 12- Load/Discharge
- 13- Heat Exchange Sections
- 14- Expansion Outlet
- 15- Expansion Inlet

TECHNICAL FEATURES

		25	40	60	80	100
Fuel Type		Wood - Coal				
Heating Power	kW	29	46	70	93 48	116
	kcal/h	25.000	40.000	60.000	80.000	100.000
Burning Crucible	mm	295	385	440	440	400
Fuel Capacity	kg	120	500	500	500	585
Water Volume	lt	75	510	660	850	850
Boiler Weight	kg	234	311	369	500	621
Desired Traction on the Flue	mbar	0,25-0,28	0,31-0,33	0,25-0,28	0,25-0,28	0,25-0,28
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature (Recommended)	°C	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5
Dimensions	Boiler Total Width (A)	mm	1100	1190	1190	1275
	Depth (B)	mm	880	880	1041	1260
	Body Width (C)	mm	515	660	660	750
	Flue Connection Height (D)	mm	1275	1452	1452	1520
	Screw Removal Distance (E)	mm	510	510	510	595
	Boiler Total Height (H)	mm	1320	1465	1465	1565
Flue Gas Connection Diameter (Flue)	mm	130	180	180	180	220
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	1"	1 1/4"	1 1/2"	1 1/2"	2"
Expansion Tank Outlet Inlet	R"	1"	1"	1"	1"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz



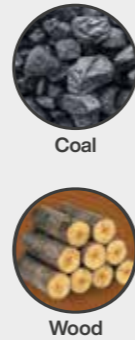
ÜKY/3K SERIES

Coal and Wood Fuel BOILER

FEATURES

- Electronic and Automatic Heat Control
- Automatic Loading
- Solid Fuel
- 3 Pass
- 3 Doors
- High Efficiency

*“Manual Fuel
Loading
Wood and Coal
Boiler”*



ÜnmaK ÜKY-3K Series floor heaters are suitable for burning solid fuels such as wood and coal and are produced in various capacities. Especially without extinguishing the boiler; The cushioning is designed to be suitable for burning. Thanks to its superior features; It provides comfortable heating and is very easy to use.

Superior technology: With its production in accordance with European standards, it has a longer lifespan than its counterparts. With its special 3-pass design, it reaches the desired temperature in a short time and switches to the regime. With this feature, fuel consumption is minimized.

Modern design: All functions of the boiler are automatically controlled with the electronic control panel.

Complete combustion: Complete combustion is achieved with the help of a specially designed flap background. Thanks to the control panel, the environment is kept constant at the set temperature. With this feature, fuel consumption has become economical.

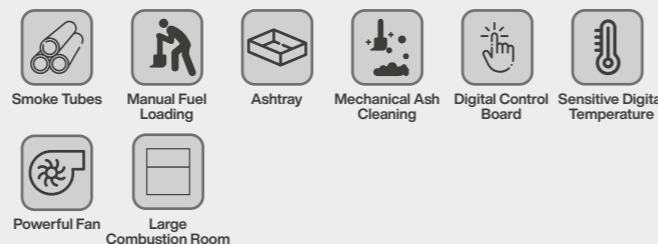
Delaying combustion: The boiler can be turned off from the control panel if the outside temperature is high, regardless of the temperature. In this case, when the fan and flap are closed, the burning fuel will darken and combustion will be delayed. When heat is required again, the boiler is turned on from the control panel and ignition is provided.

Easy to use: It is a single floor heater, and thanks to its wide fuel filling and ash removal door, fuel filling, ignition, adding fuel and removing ash can be easily done. Ash can be emptied into the large ash bucket effortlessly and without being noticed, with the movable and openable grill.

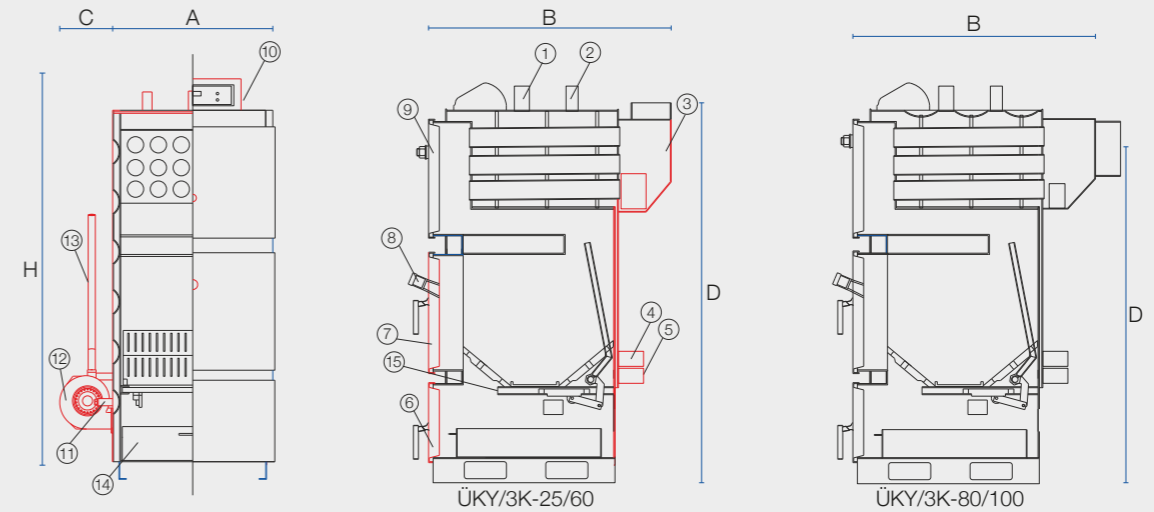
Automatic stop: Thanks to this feature, the fan and circulation pump stop automatically when the fuel runs out. This feature provides energy savings.

Environmentally friendly: Clean and smokeless combustion is achieved with the air coming from the fan. Thus, wastes that negatively affect the environment are minimized.

Remote control: With the addition of a room thermostat, the ambient temperature can be kept constant. With this feature, it is possible to adjust the heat control of the boiler remotely. It does not take up space: Thanks to its small width, it can be easily placed in boiler rooms with narrow entrances.



FEATURES



- | | | | |
|---------------------|---------------------|------------------------------|-----------------------|
| 1- Hot Water Outlet | 5- Hot Water Inlet | 9- Smoke Pipes Cleaning Door | 13- Ash Removal Arm |
| 2- Safety Outlet | 6- Ash Removal Door | 10- Control Board | 14- Ashtray |
| 3- Flue | 7- Fuel Door | 11- Water Load - Unload | 15- Mobile Cast Grill |
| 4- Safety Inlet | 8- Sight Glass | 12- Fan | |

TECHNICAL FEATURES

		25	34	45	60	80	100
Fuel Type		Wood - Coal					
Heating Power	kW	29	40	52	70	93	116
	kcal/h	25.000	34.000	45.000	60.000	80.000	100.000
Combustion Chamber Height	mm	175	230	200	200	200	200
Combustion Chamber Width	mm	355	500	500	500	500	585
Combustion Chamber Depth	mm	500	430	510	660	850	850
Combustion Chamber Volume	dm ³	31,1	49,5	51	66	85	99,5
Fuel Feed Port	mm	265x500	265x500	265x500	265x500	265x500	265x585
Water Volume	lt	75	85	107	138	206	249
Boiler Weight	kg	251	290	342	399	509	635
Desired Traction on the Flue	mbar	0,15-0,20	0,20-0,30	0,25-0,35	0,25-0,35	0,30-0,40	0,30-0,40
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature (Recommended)	°C	35	35	35	35	35	35
Maximum Operating Pressure	bar	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5
Dimensions	Width (A)	mm	625	625	625	625	625
	Depth (B)	mm	880	800	920	1080	1415
	Fan Connection Width (C)	mm	200	200	200	200	250
	Flue Connection Height (D)	mm	1230	1320	1410	1410	1220
	Boiler Total Height (H)	mm	1320	1400	1480	1480	1565
Flue Gas Connection Diameter (Flue)	mm	130	130	180	180	220	220
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	1"	1 1/4"	1 1/4"	1 1/2"	2"	2"
Expansion Tank Outlet Inlet	R"	1"	1"	1"	1"	1 1/2"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz



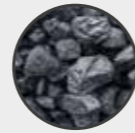
ÜKY/D3 SERIES

Coal and Wood Fuel **BOILER**

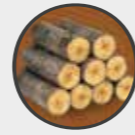
FEATURES

- Electronic and Automatic Heat Control
- Solid Fuel
- 4 Pass with Heat Slices
- High Efficiency

“Manual
Fuel Loading
Wood and Coal
Boiler”



Coal



Wood

Solid Fuel Compatibility: Offers flexible fuel options, compatible with a variety of solid fuels such as wood and coal.

Cushioning Burning: Provides long-term combustion with the cushioning burning (continuous fuel supply) design without extinguishing the boiler.

Advanced Heat Transfer: Special 4-pass heat transfer slices ensure less frequent boiler cleaning and reduce fuel consumption with rapid heating.

Automatic Control Panel: All functions of the boiler are controlled automatically with the electronic control panel.

Complete Combustion: Complete combustion is achieved with the flap fan design, thus fuel consumption becomes economical.

Combustion Delay: The ability to delay combustion depending on the outside air temperature can last up to 24 hours.

Easy Use and Maintenance: It provides ease of use and maintenance with its wide fuel filling and ash collection covers, easy-to-clean grill and ash bucket.

Automatic Stop Feature: When the fuel runs out, the fan and circulation pump stop automatically, saving energy.

Environmentally Friendly: With clean and smokeless combustion, environmentally harmful waste is minimized.

Remote Control: Remote temperature control can be done with the room thermostat.

Ergonomic Design: It takes up little space thanks to its design suitable for narrow spaces.

2 Year Warranty: Two-year warranty against manufacturing defects.

ÜNMAK ÜKY/D3 Series offers an ideal heating solution for both homes and workplaces with its ease of use, energy efficiency and environmentally friendly features. The features of this series are designed to meet the needs of users and supported by modern technology.



Heat Slices



Manual Fuel Loading



Ashtray



Mechanical Ash Cleaning



Large Comb. Room



Digital Control Board

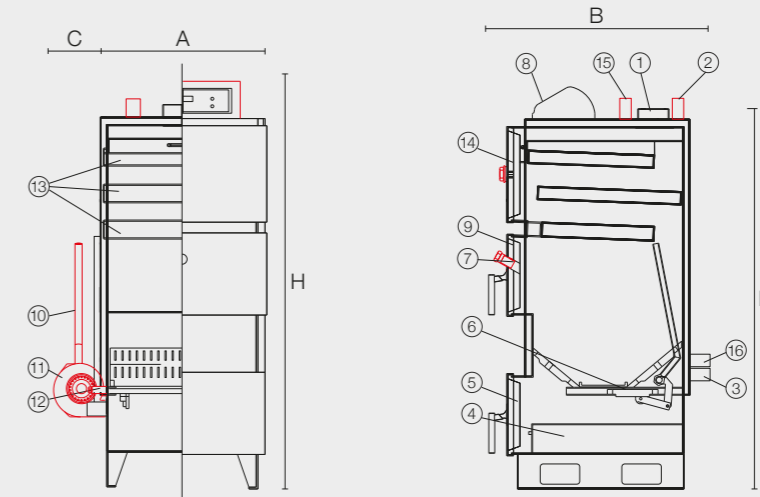


Sensitive Digital Temperature



Powerful Fan

FEATURES



- | | | | |
|---------------------|----------------------|-----------------------|---------------------------|
| 1- Flue | 5- Ash Removal Door | 9- Fuel Door | 13- Heat Transfer Section |
| 2- Hot Water Outlet | 6- Mobile Cast Grill | 10- Ash RemovalDoor | 14- Cleaning Door |
| 3- Hot Water Inlet | 7- Sight Glass | 11- Fan | 15- Expansion Outlet |
| 4- Ashtray | 8- Control Board | 12- Loading/Unloading | 16- Expansion Inlet |

TECHNICAL FEATURES

		25	40	60	80	100
Fuel Type		Wood - Coal				
Heating Power	kW	29	46	70	93	116
	kcal/h	25.000	40.000	60.000	80.000	100.000
Combustion Chamber Height	mm	185	310	310	310	340
Combustion Chamber Width	mm	355	500	500	500	585
Combustion Chamber Depth	mm	500	510	660	850	850
Combustion Chamber Volume	dm3	32,8	79,1	102,3	131,8	169,1
Fuel Feed Port	mm	265x500	265x500	265x500	265x500	265x585
Water Volume	lt	70	100	130	200	240
Boiler Weight	kg	240	319	376	511	630
Desired Traction on the Flue	mbar	0,25-0,28	0,28-0,30	0,30-0,34	0,32-0,35	0,34-0,37
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature	°C	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5
Dimensions	Width (A)	mm	485	625	625	740
	Depth (B)	mm	780	800	910	1200
	Fan Connection Width (C)	mm	200	200	200	250
	Flue Connection Height (D)	mm	1275	1435	1435	1435
	Boiler Total Height (H)	mm	1320	1480	1470	1480
Flue Gas Connection Diameter (Flue)	mm	130	160	180	180	180
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	1"	1 1/4"	1 1/2"	2"	2"
Expansion Tank Outlet Inlet	R"	1"	1"	1"	1 1/2"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	3/4"	3/4"
Electrical Connection	V/Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz	230V - 50Hz

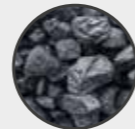


ÜKYP 300-600

ÜKYP 130-250



Wood



Coal

ÜKYP SERIES

Coal and Wood Fuel CENTRAL SYSTEM

- 3 Pass
- Central System
- Prismatic
- Automatic Heat Control
- High Efficiency
- Economic

Versatile Fuel Use: Both series are designed to work with solid fuels such as wood and coal. This ensures that users can use locally available and affordable fuel sources.

High Efficiency: ÜKYP series boilers attract attention with their high efficiency features. The manually loaded series has 11 different capacity options, which offers suitable solutions for buildings of various needs and sizes.

Advanced Technology: Manufactured in accordance with European standards. Its special 3-pass design provides fast and effective heating by increasing heat transfer. This reduces fuel consumption and extends life.

Easy Control and Automatic Functions: Thanks to the electronic control panel, all functions of the boiler can be easily controlled. With the automatic stop feature, the fan and circulation pump stop when the fuel runs out, which saves energy.

Ease of Use and Economy: It provides ease of use by being ignited once at the beginning of the season and easy ash removal thanks to its wide lids. Costs can be reduced with economical fuel consumption.

Durability and Stylish Design: ÜKYP series is painted with electrostatic powder paint to protect against rust, which provides both an aesthetic appearance and longevity.

Warranty: ÜNMAK offers a 2-year warranty against manufacturing defects for its prismatic central system heating boilers.

These features make ÜNMAK boilers both a functional and economical heating solution, especially ideal in regions where solid fuels are widely used.



Smoke Tubes



Manuel Fuel Loading



Ashtray



Larg Combustion Room



Digital Control Board

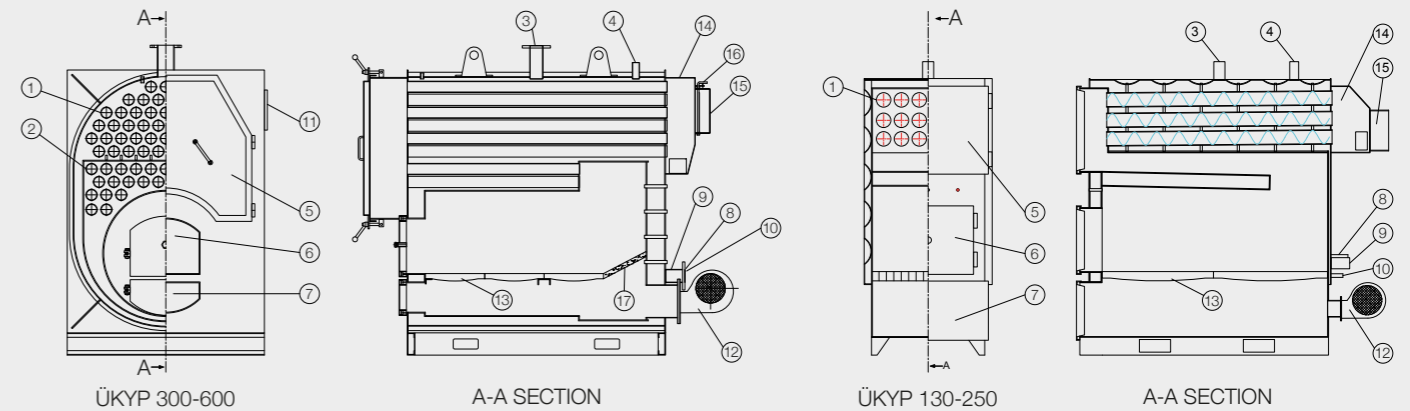


Sensetive Digital Temperature



Powerful Fan

FEATURES



- 1- Long Smoke Pipes
- 2- Short Smoke Pipes
- 3- Central Heating Flow
- 4- Safety Flow
- 5- Smoke Pipes Cleaning Lid
- 6- Fuel Loading Lid
- 7- Ash Cleaning Lid
- 8- Central Heating Return
- 9- Safety Return
- 10- Filling and Draining
- 11- Control Panel
- 12- Fan
- 13- Cast Ash Grate
- 14- Smoke Box
- 15- Flue
- 16-Flue Flap
- 17- Fire Refractory

TECHNICAL FEATURES

		130	160	180	200	250	300	350	400	450	500	600
Fuel Type		Wood - Coal										
Heating Power	kW	151	186	209	233	291	349	407	465	523	582	698
	kcal/h	130.000	160.000	180.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	600.000
Combustion Chamber Height	mm	510	510	510	510	510	560	560	560	560	560	560
Combustion Chamber Width	mm	600	600	700	700	800	755	790	790	790	790	790
Combustion Chamber Depth	mm	1020	1220	1220	1320	1320	1045	1045	1045	1045	1400	1510
Combustion Chamber Volume	dm ³	312	373	436	471	539	402	462	462	462	619	668
Fuel Feed Port	mm	440x340	440x340	440x340	440x340	440x340	460x380	460x380	460x380	460x380	460x380	460x380
Water Volume	lt	320	400	480	560	640	890	925	1240	1195	1505	1570
Boiler Weight	kg	787	892	1035	1090	1195	1595	1745	1960	2015	2305	2560
Desired Traction on the Flue	mbar	0,42 - 0,45	0,44 - 0,47	0,44 - 0,47	0,45 - 0,49	0,45 - 0,49	0,47 - 0,51	0,47 - 0,51	0,47 - 0,51	0,47 - 0,51	0,50 - 0,53	0,50 - 0,53
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature (Recommended)	°C	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5	5	5	5	5	5
Dimensions	Width (A)	mm	760	760	860	860	960	1130	1180	1390	1390	1390
	Depth (B)	mm	1615	1815	1815	1915	1915	2280	2400	2400	2400	2750
	Flue Connection Height (C)	mm	1370	1370	1370	1370	1370	1465	1600	1665	1665	1675
	Boiler Total Height (H)	mm	1640	1640	1640	1640	1640	200	2055	2095	2095	2125
Flue Gas Connection Diameter (Flue)	mm	220	220	220	220	220	300	300	300	300	300	350
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	2"	2"	2"	2"	2 1/2"	DN80	DN80	DN100	DN100	DN100	DN125
Expansion Tank Outlet Inlet	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz



ÜKYP/Y 300-600

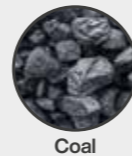


ÜKYP/Y 130-250

ÜKYP/Y SERIES

Coal Fuel CENTRAL SYSTEM

- Electronic and Automatic Heat Control
- Automatic Loading
- Solid Fuel
- 3 Pass
- 3 Doors
- High Efficiency



Versatile Fuel Use: It can use solid fuels (coal, pomace, hazelnut shells, etc.) with a diameter of up to 25 mm. This diversity provides flexibility by facilitating access to different fuel sources.

High Efficiency and Capacity Options: It is offered with 11 different capacity options, which offers ideal solutions for buildings of different sizes and needs. Its high efficiency helps reduce costs by reducing fuel consumption.

Advanced Technology and Durability: With its production in accordance with European standards, special 3-pass design it increases efficiency and offers long-lasting use.

Easy Control and Automatic Functions: The electronic commando panel offers the opportunity to easily control all functions of the boiler. Automatic stop feature saves energy by stopping the fan and circulation pump when fuel runs out.

Environmentally Friendly Combustion: Bottom-fed Combustion basket ensures continuous and efficient combustion in. In this way, environmental pollution is minimized with clean and smokeless combustion.

Ability to Delay Combustion: It is possible to turn off the boiler from the control panel when the outside temperature is high. Thus, fuel is preserved and heat production can be started again quickly if needed.

Ease of Use and Economy: It is sufficient to ignite it once at the beginning of the season. Wide covers make ash removal easier. Costs decrease with economical fuel consumption.

Easy Installation: The boiler and hopper can be shipped separately, making it easy to install and place in the boiler room.

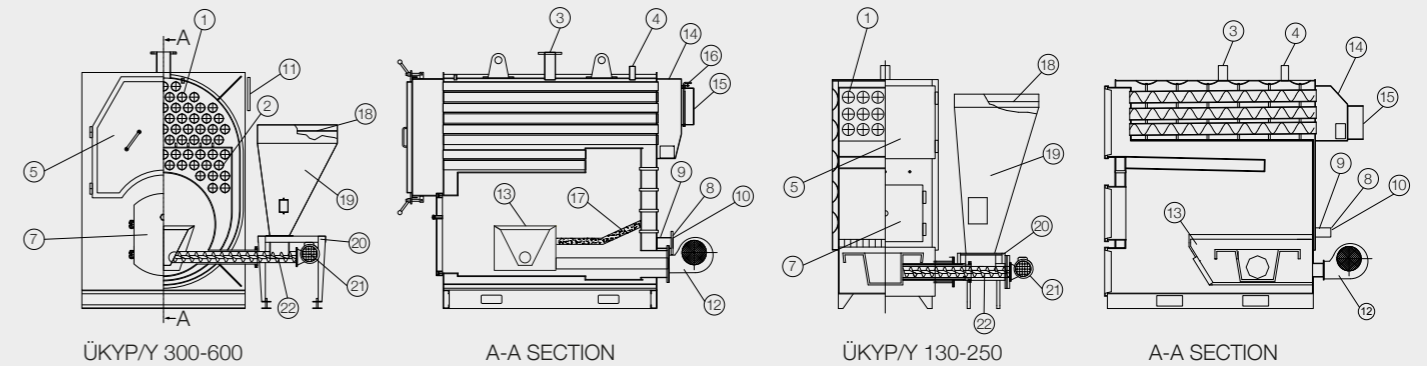
Aesthetic Design and Protection: The boiler's body panels are painted with electrostatic powder paint, which provides both a stylish appearance and protection against rust.

Warranty: 2-year warranty against manufacturing defects secures users' investments.

These features make ÜNMAK's ÜKYP/Y Series boilers an effective heating solution, both functionally and economical-ly. It can be especially preferred in regions where solid fuels are widely used.



FEATURES



- | | | | |
|------------------------------|----------------------|-----------------------|------------------------|
| 1- Long Smoke Pipes | 7- Ash Cleaning Door | 12- Fan | 17- Fire Concrete |
| 2- Short Smoke Pipes | 8- Heating Inlet | 13- Cast Iron Firepot | 18- Fuel Sieve |
| 3- Heating Outlet | 9- Safety Inlet | 14- Smoke Crate | 19- Fuel Tank (Bunker) |
| 4- Safety Inlet | 10- Load / Unloading | 15- Flue | 20- Bunker Stand |
| 5- Smoke Pipes Cleaning Door | 11- Control Board | 16- Flue Flap | 21- Reducer |
| | | | 22- Screw and Shaft |

TECHNICAL FEATURES

		130	160	180	200	250	300	350	400	450	500	600
Fuel Type		Coal										
Heating Power	kW	151	186	209	233	291	349	407	465	523	582	698
	kcal/h	130.000	160.000	180.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	600.000
Combustion Pot Dimensions	mm	Ø480	Ø480	Ø480	Ø480	Ø480	600x600	600x600	600x600	600x600	600x600	600x600
Fuel Capacity	kg	220	220	220	220	220	220	300	300	300	300	350
Water Volume	lt	320	400	480	560	640	890	925	1240	1195	1505	1570
Boiler Weight	kg	818	900	1020	1071	1155	1755	1900	2130	2200	2505	2750
Desired Draft from the Flue	mbar	0,42-0,45	0,44-0,47	0,44-0,47	0,45-0,49	0,45-0,49	0,47-0,51	0,47-0,51	0,47-0,51	0,47-0,51	0,47-0,51	0,50-0,53
Temperature Control Range	°C	45-85	45-85	45-85	45-85	45-85	45-85	45-85	45-85	45-85	45-85	45-85
Installation Inlet Temperature (Recommended)	°C	35	35	35	35	35	35	35	35	35	35	35
Maximum Operating Pressure	bar	3	3	3	3	3	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5	5	5	5	5	5
Dimensions	Boiler Total Width (A)	mm	1460	1460	1560	1560	1660	1940	1990	2200	2200	2200
	Depth (B)	mm	1615	1815	1815	1915	1915	2280	2400	2400	2400	2750
	Body Width (C)	mm	760	760	860	860	960	1130	1180	1390	1390	1390
	Flue Connection Height (D)	mm	1615	1815	1815	1915	1915	1465	1465	1600	1665	1675
	Screw Removal Distance	mm	1100	1100	1100	1100	1100	1200	1200	1300	1300	1300
	Boiler Total Height (H)	mm	1640	1640	1640	1640	1640	2000	2055	2095	2095	2125
Flue Gas Connection Diameter (Flue)	mm	220	220	220	220	220	300	300	300	300	300	350
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Inlet-Outlet	R"	2"	2"	2"	2"	2 1/2"	DN80	DN80	DN100	DN100	DN100	DN125
Expansion Tank Inlet-Outlet	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz



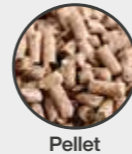
ÜKYP/YP 300-600

ÜKYP/YP 130-250

ÜKYP/YP SERIES

Pellet Fuel CENTRAL SYSTEM

- Electronic and Automatic Heat Control
- Automatic Loading
- Wood Pellet Fuel
- 3 Pass
- 3 Doors
- High Efficiency



Ünmak ÜKYP/YP series automatic feeding central system prismatic pellet boilers are designed to burn wood pellets. Boilers in this series are available in various capacities and are equipped with advanced control systems. These control systems provide ease of use and efficiency.

Preventing Smoke Backflow: The rotary system prevents smoke from rebounding from the combustion chamber to the fuel chamber. Backflow of smoke both reduces efficiency and can pose potential safety risks. This feature ensures that smoke is discharged only through the chimney, creating both a cleaner combustion process and a safer working environment.

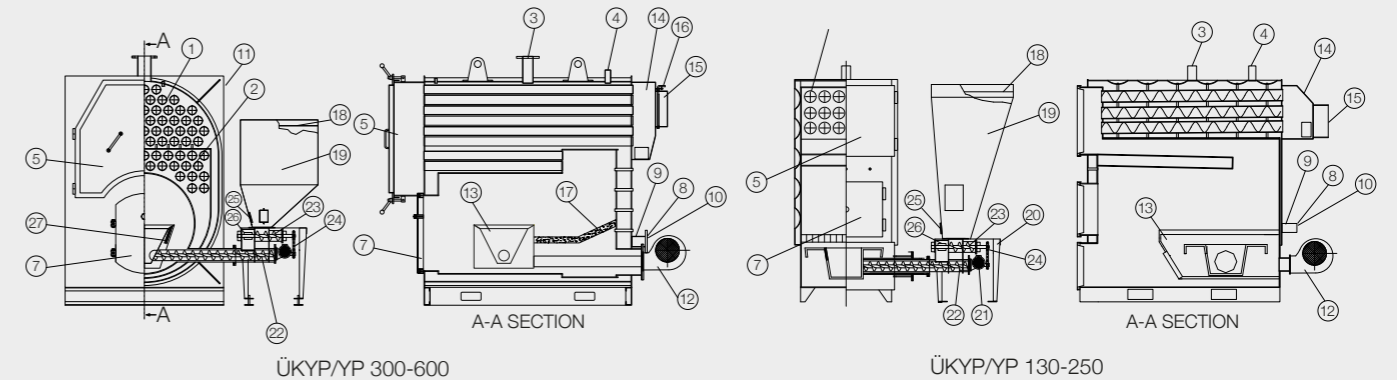
More Efficient Combustion: The rotary system ensures that the pellets are fed into the combustion chamber in the correct amount and proportion. This helps combustion to be more efficient and balanced, thus optimizing fuel consumption and ensuring maximum heat production.

Automatic Control: This system saves the user from the trouble of constantly loading fuel. Thanks to automatic control, pellets are automatically added to the combustion chamber when necessary, which provides ease of use.

Ease of Use: Provides fully automatic combustion with automatic ignition and digital control panel. This offers great convenience to the user.



FEATURES



- | | | | |
|------------------------------|-----------------------|------------------------|---------------------------|
| 1- Long Smoke Pipes | 9- Safety Inlet | 16- Flue Flap | 23- Pellet Transfer Screw |
| 2- Short Smoke Pipes | 10- Loading Unloading | 17- Fire Concrete | 24- Chain |
| 3- Heating Outlet | 11- Control Board | 18- Fuel Sieve | 25- Fuel Level Sensor |
| 4- Safety Outlet | 12- Fan | 19- Fuel Tank (Bunker) | 26- Pellet Rotary |
| 5- Smoke Pipes Cleaning Door | 13- Cast Iron Basket | 20- Bunker Stand | 27- Ignition Resistance |
| 7- Ash Cleaning Door | 14- Smoke Crate | 21- Reducer | |
| 8- Heating Inlet | 15- Flue | 22- Screw and Shaft | |

TECHNICAL FEATURES

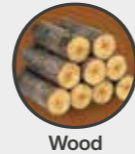
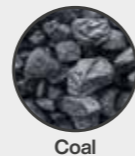
		130	160	180	200	250	300	350	400	400	500	600
Fuel Type		Wood Pellet										
Heating Power	kW	130	160	180	200	250	300	350	400	400	500	600
	kcal/h	111.800	137.600	154.800	172.000	215.000	258.000	301.000	344.000	387.000	430.000	516.000
Combustion Pot Dimensions	mm	430x410	430x410	430x410	430x410	430x410	430x410	430x410	600x600	600x600	600x600	600x600
Fuel Capacity	kg	200	200	200	200	200	200	200	280	280	280	330
Water Volume	lt	320	400	480	560	640	890	925	1240	1195	1505	1570
Boiler Weight	kg	805	920	1080	1155	1300	1755	1900	2130	2200	2505	2750
Desired Draft from the Flue	Pa	30-35	35-45	35-45	35-50	35-50	40-50	40-50	40-50	40-50	50-60	50-60
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature (Recommended)	°C	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure	bar	3	3	3	3	3	3	3	3	3	3	3
Test Pressure	bar	5	5	5	5	5	5	5	5	5	5	5
Dimensions	Boiler Total Width (A)	mm	1460	1460	1560	1560	1660	1940	1990	2200	2200	2200
	Depth (B)	mm	1615	1815	1815	1915	1915	2280	2400	2400	2400	2750
	Body Width (C)	mm	760	760	860	860	960	1130	1180	1390	1390	1390
	Flue Connection Height (D)	mm	1615	1815	1815	1915	1915	1465	1600	1665	1665	1675
	Screw Removal Distance	mm	1100	1100	1100	1100	1100	1200	1200	1300	1300	1300
	Boiler Total Height (H)	mm	1640	1640	1640	1640	1640	2000	2055	2095	2095	2125
Flue Gas Connection Diameter (Flue)	mm	220	220	220	220	220	300	300	300	300	300	350
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Inlet-Outlet	R"	2"	2"	2"	2"	2 1/2"	DN80	DN80	DN100	DN100	DN100	DN125
Expansion Tank Inlet-Outlet	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz



ÜKYS/3G SERIES

Coal and Wood Fuel CENTRAL SYSTEM

- Automatic Heat
- Control 3 Pass
- Solid Fuel
- Central System
- High Efficiency

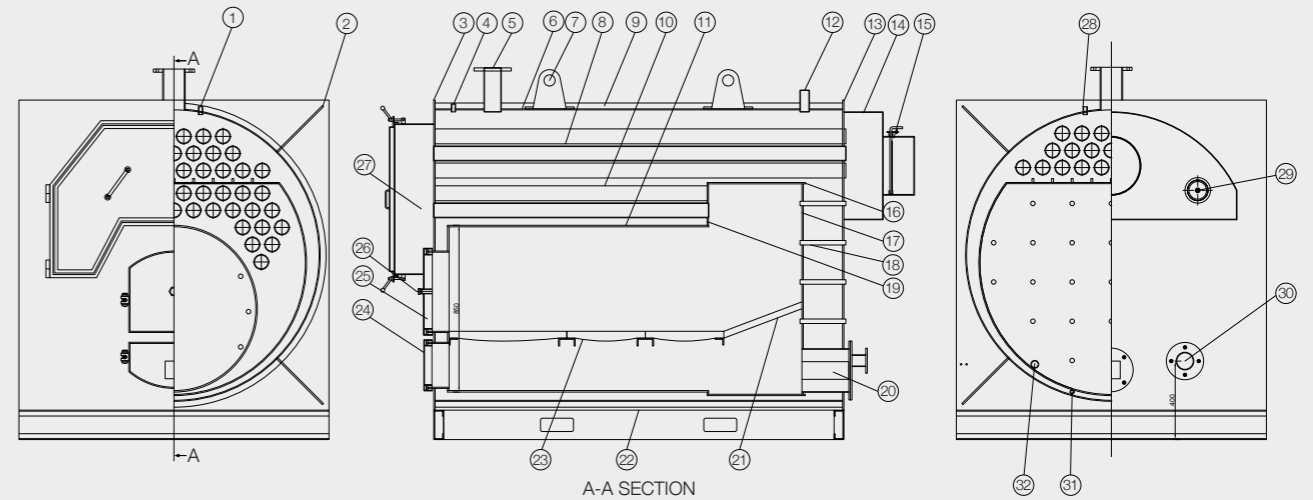


Complete combustion ensures efficient fuel consumption and minimum emissions. Superior technological features offer advanced features such as energy saving and ease of use. ÜKYS/3G series boilers have an aesthetically pleasing structure and are long-lasting.

TECHNICAL FEATURES

		120	150	180	210	240	270	300	330	360	390	420	450
Fuel Type		Coal - Wood											
Heating Power	kW	140	174	209	244	279	314	349	384	419	453	488	523
	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
Combustion Chamber Height	mm	450	450	485	485	500	500	540	540	560	560	560	560
Combustion Chamber Width	mm	655	655	700	700	750	750	800	800	815	815	815	815
Combustion Chamber Depth	mm	1100	1100	1100	1100	1100	1100	1330	1330	1330	1330	1330	1330
Fuel Supply Volume	dm ³	324	324	373	373	413	413	575	575	607	607	607	607
Fuel Feed Port	mm	380*345	380*345	430*395				460x415	460x415	460x415	460x415	460x415	460x415
Water Volume	lt	720	794	894	1146	1276	1213	1768	1814	1905	1987	2063	2433
Boiler Weight	kg	1270	1375	1610	1740	1925	2000	2450	2615	2740	2830	3100	3250
Desired Draft from the Flue	mbar	0,42-0,45	0,42-0,45	0,42-0,45	0,44-0,47	0,44-0,47	0,46-0,49	0,46-0,49	0,46-0,49	0,48-0,52	0,48-0,52	0,48-0,52	0,48-0,52
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature	°C	40	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure	bar	4	4	4	4	4	4	4	4	4	4	4	4
Test Pressure	bar	6	6	6	6	6	6	6	6	6	6	6	6
Dimensions	Width (A)	mm	1200	1240	1320	1428	1510	1510	1580	1600	1650	1700	1790
	Depth (B)	mm	2220	2200	2200	2200	2200	2200	2690	2690	2690	2690	2690
	Flue Connection Height (D)	mm	1145	1120	1120	1300	1315	1370	1415	1440	1475	1485	1575
	Boiler Total Height (H)	mm	1570	1610	1690	1798	1880	1880	1950	1970	2020	2020	2160
Flue Gas Connection Diameter (Flue)	mm	250	250	250	250	250	250	300	300	350	350	350	350
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	DN50	DN50	DN65	DN65	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN100
Expansion Tank Outlet Inlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz

FEATURES



- | | | | |
|----------------------|--------------------------------|--------------------------------|------------------------|
| 1- Thermostat Nozzle | 9- Insulation | 17- Comb. Chamber Back Mirror | 25- Coal Door |
| 2- Mirror Flag | 10- Short Pipes | 18- Tension Rods | 26- Observing Hole |
| 3- Frontal Mirror | 11- Combustion Chamber | 19- Comb. Cham. Frontal Mirror | 27- Boiler Door |
| 4- Hydrometer Nozzle | 12- Safety Outlet | 20- Air Vents | 28- Thermometer Nozzle |
| 5- Hot Water Outlet | 13- Rear Mirror | 21- Fire Concrete | 29- Explosion Cap |
| 6- Coat | 14- Flue Crate | 22- Boiler Support Foot | 30- Cold Water Inlet |
| 7- Mapa | 15- Flue Outlet | 23- Grill | 31- Load/Discharge |
| 8- Long Pipes | 16- Comb. Chamber Surroundings | 24- Ash Discharge Door | 32- Safety Inlet |

TECHNICAL FEATURES (CONTINUED)

		480	510	540	600	660	720	780	840	900	1000	1100	1200
Fuel Type		Coal - Wood											
Heating Power	kW	558	593	628	698	767	837	907	977	1047	1163	1279	1395
	kcal/h	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
Combustion Chamber Height	mm	560	595	595	595	595	595	595	595	595	605	605	605
Combustion Chamber Width	mm	815	850	850	850	850	850	850	850	850	895	895	895
Combustion Chamber Depth	mm	1330	1510	1510	1510	1510	1510	1680	1680	1680	2030	2030	2030
Fuel Supply Volume	dm ³	607	764	764	764	764	764	850	850	850	1099	1099	1099
Fuel Feed Port	mm	500*435	500*435	500*435	500*435	500*435	500*435	500*435	500*435	500*435	520*435	520*435	520*435
Water Volume	lt	2369	2628	2678	2585	2915	3093	3248	3448	3354	4396	4479	4610
Boiler Weight	kg	3335	3585	3700	3860	4135	4350	4490	4740	5020	5600	5890	6250
Desired Draft from the Flue	mbar	0,51-0,54	0,51-0,54	0,51-0,54	0,53-0,57	0,53-0,57	0,53-0,57	0,56-0,59	0,56-0,59	0,56-0,59	0,56-0,59	0,56-0,59	0,56-0,59
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature	°C	40	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure	bar	4	4	4	4	4	4	4	4	4	4	4	4
Test Pressure	bar	6	6	6	6	6	6	6	6	6	6	6	6
Dimensions	Width (A)	mm	1790	1790	1810	1810	1890	1950	2000	2050	2050	2100	2150
	Depth (B)	mm	2690	2920	2920	3020	3020	3020	3020	3020	3540	3540	3540
	Flue Connection Height (D)	mm	1615	1640	1570	1570	1570	1370	1415	1440	1475	1485	1575
	Boiler Total Height (H)	mm	2160	2160	1570	1570	1655	1645	1700	1750	1760	1815	1860
Flue Gas Connection Diameter (Flue)	mm	350	350	350	400	400	400	400	400	400	400	400	400
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	DN100	DN100	DN100	DN125	DN125	DN125	DN125	DN125	DN125	DN150	DN150	DN150
Expansion Tank Outlet Inlet	R"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz



ÜKYS/3G-Y SERIES Coal Fuel CENTRAL SYSTEM

- Central System
- Automatic Heat Control
- 3 Pass
- Solid Fuel
- Manual Loading Possiblity

In addition to their superior technological features and stylish design, ÜKYS/3G-Y series automatic feeding central system boilers offer features such as delayed combustion and complete combustion. The system, which optimizes the mixture of coal and air and prepares it for combustion, is designed taking into account energy efficiency and environmental impacts.

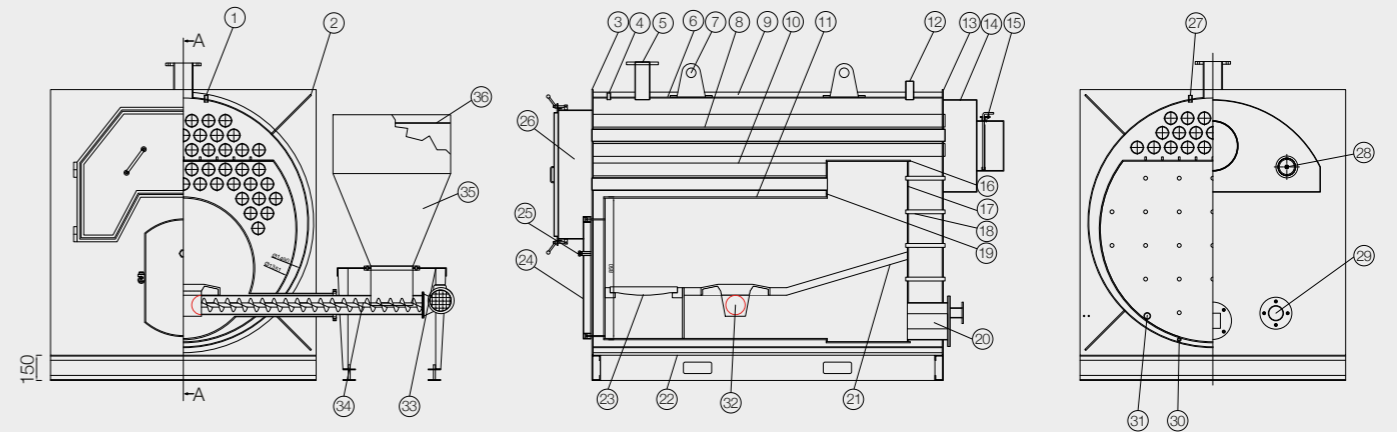


Coal

TECHNICAL FEATURES

			120	150	180	210	240	270	300	330	360	390	420	450
Fuel Type			Coal											
Heating Power		kW	140	174	209	244	279	314	349	384	419	453	488	523
		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
Combustion Pot Dimensions		mm	430*410	430*410	430*410	430*410	430*410	430*410	430*410	430*410	430*410	430*410	640*810	640*810
Fuel Capacity		kg	250	250	250	300	300	350	350	350	350	350	350	350
Water Volume		lt	720	794	894	1146	1276	1213	1768	1814	1905	1987	2063	2433
Boiler Weight		kg	1420	1525	1760	1890	2075	2150	2600	2765	2890	2980	3250	3400
Desired Draft from the Flue		mbar	0,42-0,45	0,42-0,45	0,42-0,45	0,44-0,47	0,44-0,47	0,46-0,49	0,46-0,49	0,46-0,49	0,46-0,49	0,48-0,52	0,48-0,52	0,48-0,52
Temperature Control Range		°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature		°C	40	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure		bar	4	4	4	4	4	4	4	4	4	4	4	4
Test Pressure		bar	6	6	6	6	6	6	6	6	6	6	6	6
Dimensions	Boiler Total Width (A)	mm	2100	2140	2220	2328	2410	2410	2480	2480	2600	2650	2740	2740
	Depth (B)	mm	2220	2200	2200	2200	2200	2200	2690	2690	2690	2690	2690	2690
	Body Width (C)	mm	1200	1240	1320	1428	1510	1510	1580	1600	1650	1650	1700	1790
	Flue Connection Height (B)	mm	1145	1120	1120	1300	1315	1370	1415	1440	1475	1485	1480	1575
	Screw Removal Distance (E)	mm	2220	2200	2200	2200	2200	2200	2690	2690	2690	2690	2690	2690
	Boiler Total Height (H)	mm	1145	1120	1120	1300	1315	1370	1415	1440	1475	1485	1480	1575
	Flue Gas Connection Diameter(Flue)	mm	1550	1610	1690	1798	1880	1880	1950	1970	2020	2020	2070	2160
Min-Max Flue Temperature		°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet		R"	DN50	DN50	DN65	DN65	DN80	DN80	DN80	DN80	DN80	DN80	DN80	DN100
Expansion Tank Outlet Inlet		R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
Filling and Draining		R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection		V/Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz

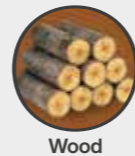
FEATURES



- | | | | |
|----------------------|---------------------------------|--------------------------------|-----------------------------|
| 1- Thermostat Nozzle | 10- Short Smoke Pipes | 19- Comb. Cham. Frontal Mirror | 28- Explosion Cap |
| 2- Mirror Flag | 11- Combustion Chamber | 20- Air Duct | 29- Central Heating Return |
| 3- Frontal Mirror | 12- Safety Flow | 21- Fire Refractory | 30- Filling and Discharging |
| 4- Hydrometer Nozzle | 13- Back Flue Plate | 22- Boiler Carrier Support | 31- Safety Return |
| 5- Hot Water Outlet | 14- Smoke Box | 23- Ash Grate | 32- Fire Pot |
| 6- Coat | 15- Flue Exit | 24- Ash Removal Lid | 33- Hopper Stand |
| 7- Holder | 16- Comb. Cham. Surroundings | 25- Inspection Hole | 34- Auger |
| 8- Long Pipes | 17- Comb. Cham. Back Flue Plate | 26- Boiler Main Door | 35- Hopper |
| 9- Insulation | 18- Tension Rods | 27- Thermometer Nozzle | 36- Screen Wire |

TECHNICAL FEATURES (CONTINUED)

			480	510	540	600	660	720	780	840	900	1000	1100	1200
Fuel Type			Coal											
Heating Power		kW	558	593	628	698	768	837	907	977	1047	1163	1279	1396
		kcal/h	480.000	510.000	54.0000	600.000	660.000	720.000	780.000	840.000	900.000	1.000.000	1.100.000	1.200.000
Combustion Pot Dimensions		mm	640*810	690*1000	690*1000	690*1000	690*1000	690*1000	690*1000	690*1000	690*1000	690*1000	690*1000	740*1000
Fuel Capacity		kg	350	350	350	450	450	450	450	450	450	450	450	450
Water Volume		lt	2369	2628	2679	2585	2915	3093	3248	3448	3354	4396	4479	4610
Boiler Weight		kg	3485	3735	3850	4010	4285	4500	4640	4890	5170	5750	6040	6400
Desired Draft from the Flue		mbar	0,51-0,54	0,51-0,54	0,51-0,54	0,53-0,57	0,53-0,57	0,53-0,57	0,56-0,59	0,56-0,59	0,56-0,59	0,56-0,59	0,56-0,59	0,56-0,59
Temperature Control Range		°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature		°C	40	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure		bar	4	4	4	4	4	4	4	4	4	4	4	4
Test Pressure		bar	6	6	6	6	6	6	6	6	6	6	6	6
Dimensions	Boiler Total Width (A)	mm	2740	2740	2760	2810	2890	2950	2950	3000	3050	3050	3100	3100
	Depth (B)	mm	2690	2920	2920	3020	3020	3020	3020	3020	3020	3540	3540	3540
	Body Width (C)	mm	1790	1790	1810	1810	1890	1950	1950	2000	2050	2050	2100	2150
	Flue Connection Height (B)	mm	1615	1640	1570	1570	1655	1645	1700	1750	1760	1760	1815	1860
	Screw Removal Distance (E)	mm	1860	1860	1860	1900	1900	1900	1900	1950	1950	1950	1950	1950
	Boiler Total Height (H)	mm	2160	2160	2180	2180	2260	2320	2370	2370	2420	2420	2470	2520
	Flue Gas Connection Diameter(Flue)	mm	350	350	350	350	400	400	400	400	400	400	400	400
Min-Max Flue Temperature		°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet		R"	DN100	DN100	DN100	DN125	DN125	DN125	DN125	DN125	DN125	DN150	DN150	DN150
Expansion Tank Outlet Inlet		R"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
Filling and Draining		R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection		V/Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz



ÜKYS SERIES

Coal and Wood Fuel CENTRAL SYSTEM

- Central System
- Solid Fuel
- Automatic Heat Control
- High Efficiency
- Back Pressure

ÜNMAK ÜKYS series steel-bodied central system heating boilers are equipped with modern technology and design principles, offering high efficiency and economical heating in both homes and commercial spaces.

Various Capacities: It addresses a wide range of needs with 11 different model options ranging from 200,000 to 800,000 kcal/h.

Large Combustion Chamber: It provides complete combustion thanks to its large combustion chamber that complies with back pressure standards, which means high efficiency and reduced fuel consumption.

Flame Smoke Pipe and Turbulators: They are designed to provide heat transfer with high efficiency through the turbulence of combustion gases.

Compact and Aesthetic Design: It offers small dimensions and aesthetic appearance thanks to its counter-pressure design.

Easy Use and Maintenance: The front cover design provides ease of placement, maintenance and cleaning. It is also resistant to flame deformation.

User-Friendly Control Panel: Control panel designed for easy use and settings.

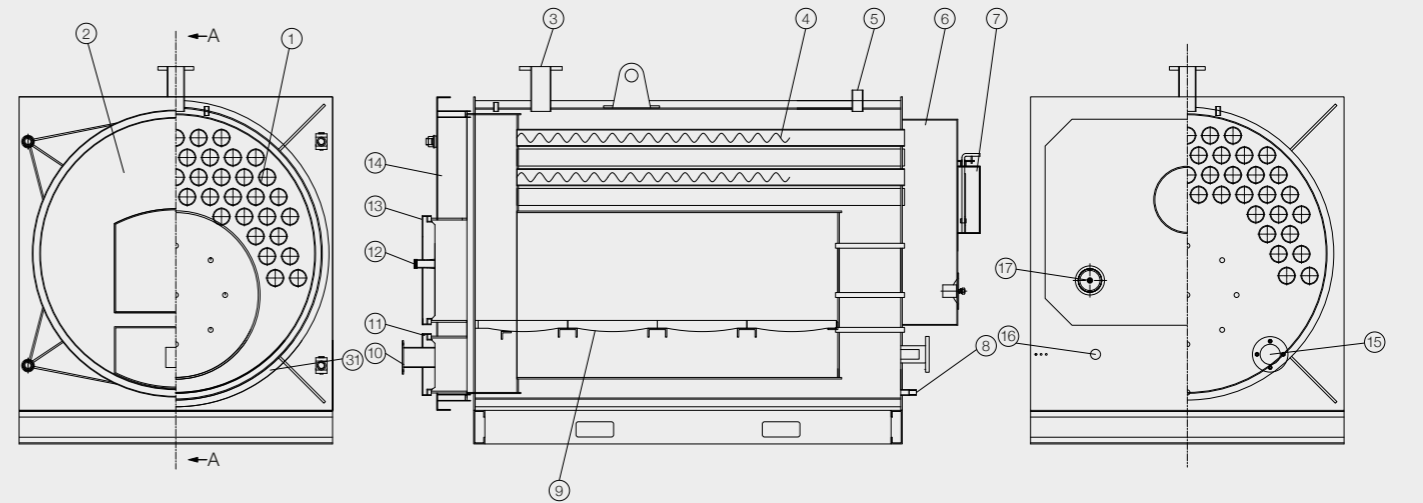
Environmentally Friendly: Thanks to the combustion system design, waste gases are minimized and it offers a structure that minimizes environmental pollution.

Effective Thermal Insulation: It provides energy efficiency by reducing heat loss with its glass wool insulation and electrostatic powder painted outer coating.

2 Year Warranty: 2 year warranty against manufacturing defects provides assurance in terms of reliability and durability.

With these features, ÜNMAK ÜKYS series offers an energy efficient, environmentally friendly and user-friendly heating solution. Ideal for commercial and residential buildings, these boilers promise a long-lasting and economical heating experience.

FEATURES



- 1- Smoke Pipes
- 2- Boiler Door
- 3- Hot Water Outlet
- 4- Turbulator
- 5- Safety Outlet
- 6- Smoke Crate
- 7- Flue
- 8- Load - Discharge
- 9- Cast Iron Grill
- 10- Air Vent
- 11- Ash Removal Door
- 12- Observation Door
- 13- Coal Feeding Door
- 14- Door Concrete
- 15- Cold Water Inlet
- 16- Safety Inlet
- 17- Explosion Door

TECHNICAL FEATURES

		200	225	250	300	350	400	450	500	600	700	800
Fuel Type		Wood - Coal										
Heating Power	kW	233	262	291	349	407	465	523	581	698	814	930
	kcal/h	200.000	225.000	250.000	300.000	350.000	400.000	450.000	500.000	600.000	700.000	800.000
Combustion Chamber Height	mm	400	410	450	450	500	500	570	570	580	740	780
Combustion Chamber Width	mm	675	675	720	720	760	760	810	810	840	940	980
Combustion Chamber Depth	mm	1200	1200	1200	1500	1500	1800	1800	2000	2000	2000	2000
Combustion Chamber Volume	dm ³	324	332	389	486	570	570	684	832	974	1391	1529
Fuel Feed Cap	mm	450x400	450x400	550x470	570x470	550x460	550x455	600x500	600x500	600x500	600x500	600x500
Water Volume	lt	900	1000	1050	1260	1440	1880	1990	2050	2560	3090	3300
Boiler Weight	kg	1850	2050	2160	2440	2750	3020	3500	3670	4375	5150	5670
Desired Draft from the Flue	mbar	0,44-0,47	0,44-0,47	0,46-0,49	0,46-0,49	0,46-0,49	0,46-0,49	0,48-0,52	0,48-0,52	0,48-0,52	0,51-0,54	0,51-0,54
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature	°C	40	40	40	40	40	40	40	40	40	40	40
Maximum Business	bar	4	4	4	4	4	4	4	4	4	4	4
Test Pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Dimensions	Boiler Total Width (A)	mm	1250	1350	1400	1400	1500	1500	1550	1700	1900	1390
	Depth (B)	mm	2210	2210	2210	2650	2650	3025	3090	3360	3400	3550
	Flue Connection	mm	1015	1115	1165	1165	1265	1265	1315	1315	1465	1655
	Boiler Total Height (H)	mm	1530	1630	1680	1680	1780	1780	1830	1830	1980	2180
Flue Gas Connection Diameter (Flue)	mm	300	300	300	300	350	350	350	350	350	400	400
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	DN40	DN80	DN80	DN80	DN80	DN80	DN80	DN100	DN100	DN125	DN125
Expansion Tank Outlet Inlet	R"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2 1/2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz	230V 50Hz

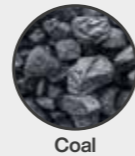


ÜKYS/Y SERIES

Coal Fuel CENTRAL SYSTEM

- Central System
- Solid Fuel
- Automatic Heat Control

- High Efficiency
- Back Pressure



High Efficiency: It offers a wide range of capacities with 11 different models ranging from 200,000-800,000 kcal/h. This means suitable options for buildings of different sizes and needs.

Advanced Combustion Technology: Large combustion chambers and flame smoke pipe structure ensure complete combustion. Turbulators optimize heat transfer and reduce fuel consumption by increasing the turbulence of combustion gases.

Compact and Aesthetic Design: Thanks to the counter-pressure design, smaller dimensions and an aesthetic appearance are provided.

Ease of Use and Maintenance: The front cover design provides ease of placement, maintenance and cleaning of the boiler. Additionally, it offers a structure that is resistant to flame deformation.

User-Friendly Control Panel: Designed for easy control of the boiler.

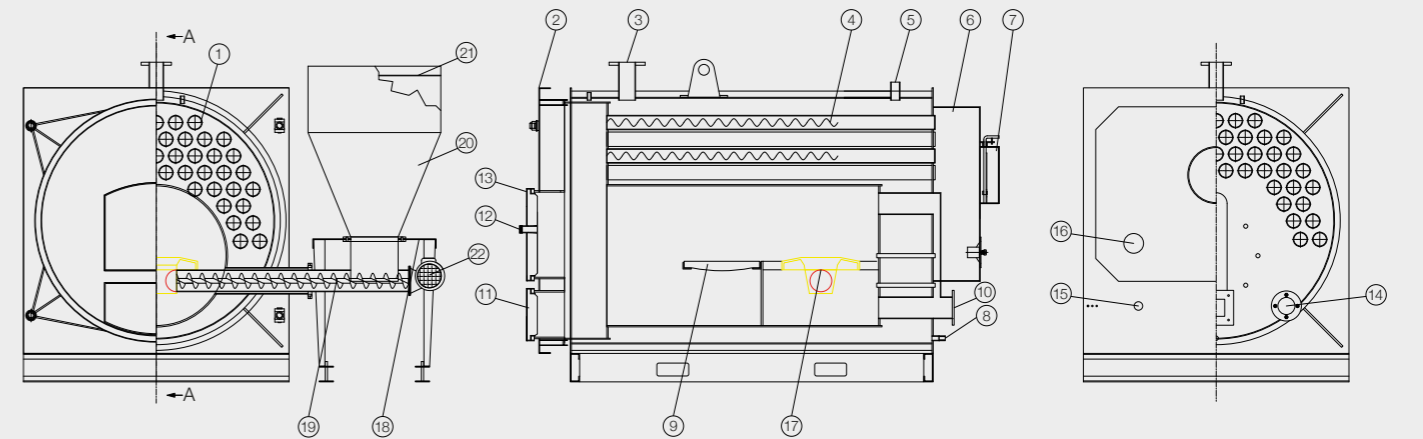
Environmentally Friendly Combustion System: Environmental pollution is minimized by reducing waste gases to minimum levels.

Effective Thermal Insulation: Glass wool insulation and electrostatic powder painted outer coating provide energy efficiency by reducing heat loss.

2 Year Warranty: 2 year warranty against manufacturing defects increases the reliability and durability of the product.

ÜNMAK ÜKYS/Y series offers an effective solution that appeals to a wide range of users by combining the high efficiency, environmentally friendly technology and user comfort required for modern heating systems.

FEATURES



- | | | | | |
|---------------------|------------------|----------------------|-----------------------|------------------------|
| 1- Smoke Pipes | 5- Safety Outlet | 9- Cast Iron Grill | 13- Coal Feeding Door | 18- Bunker Stand |
| 2- Boiler Door | 6- Smoke Crate | 10- Air Vent | 14- Cold Water Inlet | 19- Screw |
| 3- Hot Water Outlet | 7- Flue | 11- Ash Removal Door | 16- Explosion Door | 20- Fuel Tank (Bunker) |
| 4- Turbulator | 8- Load / Unload | 12- Observing Door | 17- Cast Iron Basket | 21- Sieve Wire |
| | | | | 22- Reducer |

TECHNICAL FEATURES

		200	225	250	300	350	400	450	500	600	700	800
Fuel Type		Coal										
Heating Power	kW	233	262	291	349	407	465	523	582	698	814	930
	kcal/h	200.000	225.000	250.000	300.000	350.000	400.000	450.000	500.000	600.000	700.000	800.000
Combustion Pot Dimensions	mm	430*410	430*410	430*410	430*410	430*410	770*710	820*710	820*780	850*880	950*900	1000*960
Combustion Chamber Height	Coal	kg	300	300	300	350	350	350	350	450	450	450
	Pomace	kg	255	255	255	298	298	298	298	383	383	383
Water Volume	lt	900	1000	1050	1260	1440	1880	1990	2050	2560	3090	3300
Boiler Weight	kg	2000	2200	2310	2590	2900	3170	3650	3820	4525	5300	5820
Desired Draft from the Flue	mbar	0,44-0,47	0,44-0,47	0,46-0,49	0,46-0,49	0,46-0,49	0,46-0,49	0,48-0,52	0,48-0,52	0,48-0,52	0,51-0,54	0,51-0,54
Temperature Control Range	°C	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80	40-80
Installation Inlet Temperature	°C	40	40	40	40	40	40	40	40	40	40	40
Maximum Operating Pressure	bar	4	4	4	4	4	4	4	4	4	4	4
Test Pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Dimensions	Boiler Total Width (A)	mm	2050	2150	2200	2200	2300	2350	2350	2500	2700	2730
	Depth (B)	mm	2210	2210	2210	2650	2650	3025	3090	3360	3400	3550
	Body Width (C)	mm	1250	1350	1400	1400	1500	1500	1550	1550	1700	1930
	Flue Connection Height (B)	mm	1015	1115	1165	1165	1265	1265	1315	1315	1465	1695
	Screw Removal Distance (E)	mm	1350	1450	1500	1500	1600	1600	1650	1650	1800	2030
Flue Gas Connection Diameter (Flue)	Boiler Total Height (H)	mm	1530	1630	1680	1680	1780	1780	1830	1830	1980	2210
		mm	300	300	300	300	350	350	350	350	400	400
Min-Max Flue Temperature	°C	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210	170-210
Boiler Outlet Inlet	R"	DN65	DN80	DN80	DN80	DN80	DN80	DN100	DN100	DN125	DN125	DN125
Expansion Tank Outlet Inlet	R"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2 1/2"
Filling and Draining	R"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Electrical Connection	V/Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz	400V 50Hz



ÜGS SERIES

Liquid Gas Fuel

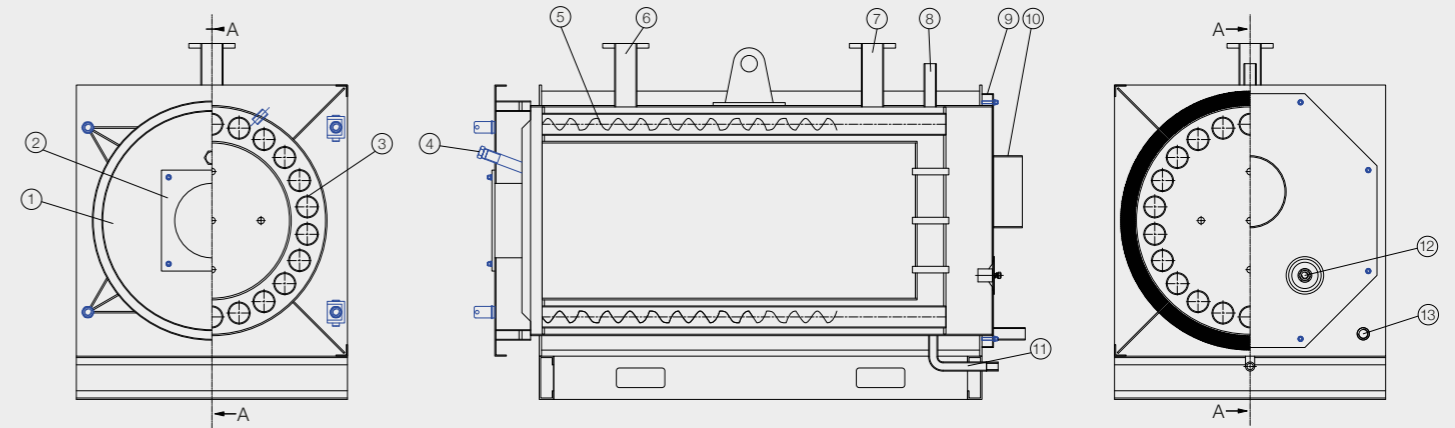
CENTRAL SYSTEM

- Central System
- Liquid with burner replacement or the ability to burn gaseous fuel
- Back Pressure
- Mechanic Control Panel
- Easy to use, high efficiency

TECHNICAL FEATURES

		60	80	100	125	150	175	200	250	300	350	400	450	500	600
Heating Power	kW	70	93	116	145	174	204	233	291	349	407	465	523	582	698
	kcal/h	60.000	80.000	100.00	125.000	150.000	175.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	600.000
Efficiency	%	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94
Flue Gas Temperature	Full Load °C	189	189	192	189	189	189	190	190	190	190	188	186	186	187
	Part Load °C	129	129	132	129	129	129	130	130	130	130	130	138	126	127
CO ₂ Quantity	%	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11
Gas Side Resistance	mbar	0,6	0,7	1	1,1	0,9	1,1	1,5	1,6	1,4	2	2,2	2,2	2,1	2,8
Combustion Chamber Diameter	mm	310	400	400	400	450	450	500	550	550	630	630	630	670	700
Combustion Chamber Length	mm	600	700	700	950	950	950	1100	1100	1300	1300	1300	1400	1400	1400
Combustion Chamber Volume	dm ³	45	88	88	119	151	151	216	216	309	405	405	419	493	539
Maximum Operating Pressure	bar	4 - 5 - 6 - 8													
Test Pressure	bar	6 - 7,5 - 9 - 12													
Operating Temperature	°C	55 - 90													
Boiler Weight	kg	272	296	319	386	441	465	559	642	717	947	1031	1172	1298	1385
Boiler Water Volume	lt	70	123	109	144	150	137	185	88	232	441	467	519	569	599
Width (A)	mm	656	800	800	850	850	900	950	950	1140	1170	1190	1250	1290	1330
Depth (B)	mm	1080	1200	1200	1470	1470	1470	1650	1700	1950	1950	1950	2070	2070	2070
Flue Connection Height (D)	mm	570	645	645	645	670	670	710	720	720	810	830	840	870	940
Boiler Total Height (H)	mm	856	990	990	990	1040	1040	1090	1140	1140	1330	1360	1380	1440	1480
Flue Gas Connection Diameter (Flue)	mm	150	150	200	200	200	200	200	250	250	300	300	300	350	400
Boiler Outlet - Inlet	R"	DN 40	DN 40	DN 40	DN 50	DN 65	DN 65	DN 65	DN 65	DN 65	DN 80	DN 80	DN 80	DN 100	DN 100
Expansion Tank Flow	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	2"	2"	2"
Expansion Tank Inlet	R"	1"	1"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

FEATURES



- 1- Boiler Door
- 2- Burner Connection Pipe
- 3- Smoke Pipes
- 4- Fire Observation
- 5- Turbulator
- 6- Hot Water Outlet
- 7- Cold Water Outlet
- 8- Safety Outlet
- 9- Smoke Crate
- 10- Flue Connection
- 11- Loading Unloading
- 12- Explosion Door
- 13- Safety Inlet

TECHNICAL FEATURES (CONTINUED)

		700	800	900	1000	1100	1250	1350	1500	1600	1750	2000	2500	3000
Heating Power	kW	814	930	1047	1163	1279	1454	1570	1745	1861	2035	2326	2908	3489
	kcal/h	700.000	800.000	900.000	1.000.000	1.100.000	1.250.000	1.350.000	1.500.000	1.600.000	1.750.000	2.000.000	2.500.000	3.000.000
Efficiency	%	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94
Flue Gas Temperature	Full Load °C	187	186	191	189	188	189	191	192	188	189	189	191	192
	Part Load °C	126	131	129	129	138	132	129	129	138	129	129	129	129
CO ₂ Quantity	%	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11
Gas Side Resistance	mbar	2,6	2,8	2,9	3	3	3,1	3,2	3,6	4	4,2	4,7	5,1	5,8
Combustion Chamber Diameter	mm	740	830	830	850	835	850	835	830	890	890	1050	1050	1050
Combustion Chamber Length	mm	1500	1600	1650	1650	1650	1650	2200	2200	2200	2200	2200	2700	3400
Combustion Chamber Volume	dm ³	645	865	892	936	903	892	1204	1190	1368	1368	1904	2337	2943
Maximum Operating Pressure	bar	4 - 5 - 6 - 8												
Test Pressure	bar	6 - 7,5 - 9 - 12												
Operating Temperature	°C	55 - 90												
Boiler Weight	kg	1722	2024	2083	2325	2775	2527	3270	3038	3360	3535	4014	4750	5560
Boiler Water Volume	lt	685	888	690	1122	1145	1047	1526	1404	2134	2094	2250	2345	2910
Width (A)	mm	1330	1450	1560	1560	1560	1560	1560	1560	1720	1720	1840	1840	1840
Depth (B)	mm	2070	2380	2380	2380	2380	2380	2890	2890	2890	2890	2890	3445	4150
Flue Connection Height (D)	mm	980	1050	1085	1115	1125	1125	1125	1125	1235	1235	1350	1350	1350
Boiler Total Height (H)	mm	1520	1640	1750	1750	1835	1750	1835	1750	1995	1910	2030	2105	2105
Flue Gas Connection Diameter (Flue)	mm	400	450	450	450	450	450	450	450	450	450	450	450	450
Boiler Outlet - Inlet	R"	DN100	DN125	DN125	DN125	DN125	DN125	DN150	DN150	DN150	DN150	DN200	DN200	DN200
Expansion Tank Flow	R"	2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3"	3"	3"	4"	4"
Expansion Tank Inlet	R"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"	3"	3"
Filling and Draining	R"	3/4"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"	1"



ÜGS/3G SERIES

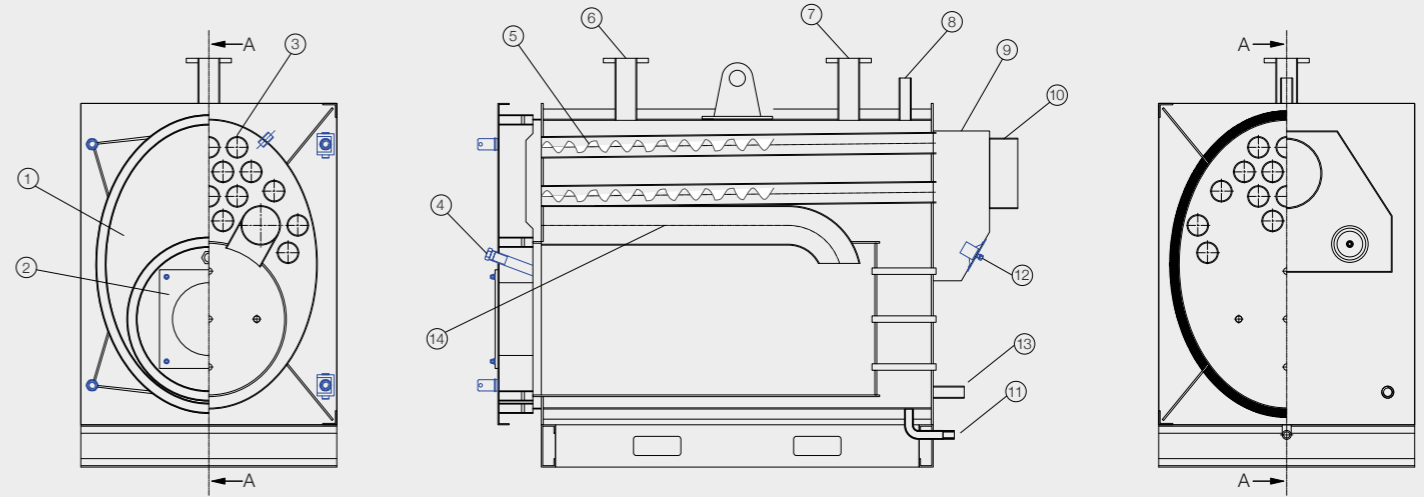
Liquid Gas Fuel CENTRAL SYSTEM

- Central System
- Liquid with burner replacement or the ability to burn gaseous fuel
- 3 Pass
- Mechanic Control Panel
- Easy Use, High Efficiency

TECHNICAL FEATURES

		80	100	125	150	200	250	300	350	400	500	600
Heating Power	kW	93	116	145	174	233	291	349	407	465	582	698
	kcal/h	80.000	100.000	125.00	150.000	200.000	250.000	300.000	350.000	400.000	500.000	600.000
Efficiency	%	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94
Flue Gas Temperature	Full Load °C	189	192	189	189	190	190	190	190	190	186	187
	Part Load °C	129	132	129	129	130	130	130	130	130	126	127
CO ² Amount	%	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11
Gas Side Resistance	mbar	0,7	1	1,1	0,9	1,5	1,6	1,4	2	2,2	2,1	2,8
Combustion Chamber Diameter	mm	310	410	410	480	480	550	550	550	600	600	700
Combustion Chamber Length	mm	660	930	1130	1130	1150	1230	1230	1480	1480	1680	1830
Combustion Chamber Volume	dm ³	5	12	15	20	21	29	29	35	42	47	70
Maximum Operating Pressure	bar	4 - 5 - 6 - 8										
Test Pressure	bar	6 - 7,5 - 9 - 12										
Operating Temperature	°C	55 - 90										
Boiler Weight	kg	339	481	531	588	631	773	818	1091	1196	1408	1711
Boiler Water Volume	lt	95	214	237	238	256	359	414	555	537	593	837
Width (A)	mm	620	750	750	784	784	908	908	948	972	1032	1120
Depth (B)	mm	1048	1475	1640	1640	1720	1830	1930	2160	2160	2300	2450
Flue Connection Height (D)	mm	905	900	925	990	945	1065	1080	1095	1130	1045	1260
Boiler Total Height (H)	mm	1100	1235	1235	1305	1306	1445	1445	1477	1525	1530	1714
Flue Gas Connection Diameter(Flue)	mm	130	200	200	200	200	250	250	300	300	300	400
Boiler Outlet - Inlet	R"	DN 40	DN 40	DN 50	DN 65	DN 65	DN 65	DN 65	DN 80	DN 100	DN 100	DN 100
Expansion Tank Outlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	2"	2"
Expansion Tank Inlet	R"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"

FEATURES



- | | | | |
|----------------------|---------------------|-----------------------|-----------------------|
| 1- Boiler Door | 5- Tubulator | 9- Smoke Crate | 13- Safety Inlet |
| 2- Burner Connection | 6- Hot Water Outlet | 10- Flue Connection | 14- Short Smoke Pipes |
| 3- Long Smoke Pipes | 7- Cold Water Inlet | 11- Loading Unloading | |
| 4- Fire Observation | 8- Safety Outlet | 12- Explosion Door | |

TECHNICAL FEATURES (CONTINUED)

		80	100	125	150	200	250	300	350	400	500	600
Heating Power	kW	93	116	145	174	233	291	349	407	465	582	698
	kcal/h	80.000	100.000	125.00	150.000	200.000	250.000	300.000	350.000	400.000	500.000	600.000
Efficiency	%	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94	90-94
Flue Gas Temperature	Full Load °C	189	192	189	189	190	190	190	190	190	186	187
	Part Load °C	129	132	129	129	130	130	130	130	130	126	127
CO ² Amount	%	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11	10-11
Gas Side Resistance	mbar	0,7	1	1,1	0,9	1,5	1,6	1,4	2	2,2	2,1	2,8
Combustion Chamber Diameter	mm	310	410	410	480	480	550	550	550	600	600	700
Combustion Chamber Length	mm	660	930	1130	1130	1150	1230	1230	1480	1480	1680	1830
Combustion Chamber Volume	dm ³	5	12	15	20	21	29	29	35	42	47	70
Maximum Operating Pressure	bar	4 - 5 - 6 - 8										
Test Pressure	bar	6 - 7,5 - 9 - 12										
Operating Temperature	°C	55 - 90										
Boiler Weight	kg	339	481	531	588	631	773	818	1091	1196	1408	1711
Boiler Water Volume	lt	95	214	237	238	256	359	414	555	537	593	837
Width (A)	mm	620	750	750	784	784	908	908	948	972	1032	1120
Depth (B)	mm	1048	1475	1640	1640	1720	1830	1930	2160	2160	2300	2450
Flue Connection Height (D)	mm	905	900	925	990	945	1065	1080	1095	1130	1045	1260
Boiler Total Height (H)	mm	1100	1235	1235	1305	1306	1445	1445	1477	1525	1530	1714
Flue Gas Connection Diameter(Flue)	mm	130	200	200	200	200	250	250	300	300	300	400
Boiler Outlet - Inlet	R"	DN 40	DN 40	DN 50	DN 65	DN 65	DN 65	DN 65	DN 80	DN 100	DN 100	DN 100
Expansion Tank Outlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	2"	2"
Expansion Tank Inlet	R"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
Filling and Draining	R"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"



ÜEK SERIES
Floor Type
ELECTRIC BOILER

- Hight Efficiency
- Easy Installation
- Flueless, environment friendly design
- Quick Heating



Flueless Design: One of the most obvious advantages of these electric boilers is that they are flueless. Traditional fossil fuel boilers require a chimney to release the gases produced during combustion into the atmosphere. Since electric boilers do not carry out any combustion process, they do not emit any harmful gases and thus provide a cleaner environment.

Monthly Fuel Payment: Electric boilers offer a significant financial advantage over traditional fuels such as natural gas, coal or oil: There are no upfront fuel payments. This provides great convenience when planning a budget and reduces the risk of being affected by fuel price fluctuations.

High Efficiency: Electric boilers are very efficient in converting most of the energy into heat. Thanks to advanced technology, these boilers offer higher energy efficiency than conventionally fueled boilers.

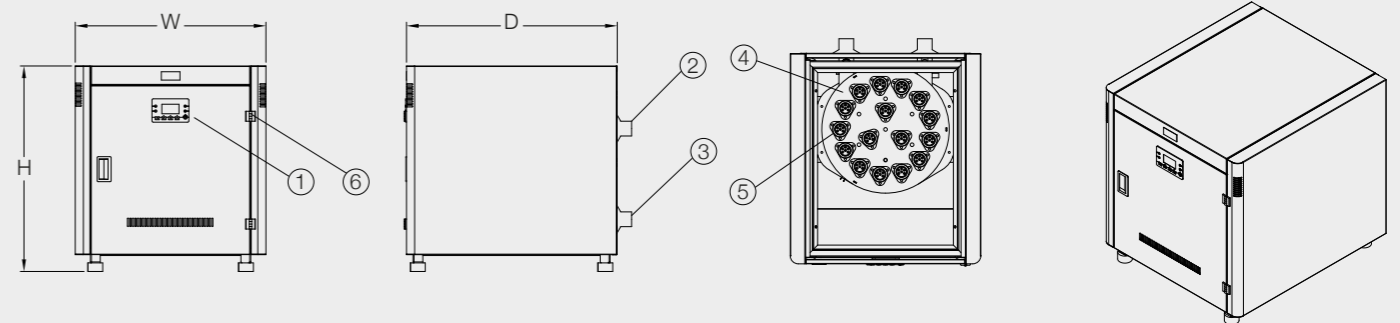
Easy Installation: Electric boilers are simpler to install than conventional fuel-powered boilers because there are no additional structural requirements such as a gas line or fuel tank. Additionally, since they have fewer moving parts, they require less maintenance and have a longer lifespan.

Safe and Clean Operation: Since there is no combustion process, risks such as carbon monoxide poisoning or fuel leakage are eliminated. Additionally, wastes such as soot and soot are not produced as in chimney systems.

Long-Lasting and Durable: Electric boilers are less susceptible to mechanical wear and tear. In this way, they offer longer-lasting use and require less maintenance over time.

Environmentally Friendly: Electric boilers provide zero carbon emissions when powered by electricity obtained from renewable energy sources. This is ideal for reducing carbon footprint and a more sustainable future.

FEATURES



- 1- Control Panel
- 2- CH Flow
- 3- CH Return
- 4- Boiler Body
- 5- Heaters
- 6- Hinges

TECHNICAL FEATURES

Model		ISI 48	ISI 60	ISI 72	ISI 96	ISI 120	ISI 144
Capacity	kW	48	60	72	96	120	144
	kcal/h	43.000	51.600	64.500	86.000	107.500	129.000
CH Flow	R	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
CH Return	R	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Cable Cross Section	mm ²	-	25	25	35	70	-
Fuse	A	-	100	125	140	250	-
Voltage	V/Hz	400/50	400/50	400/50	400/50	400/50	400/50

The electrical connection of the electric boiler must comply with local electrical regulations. This ensures a safe and proper electrical connection and also ensures compliance with legal requirements. Local electrical codes set the rules and standards for electrical installations and are generally aimed at reducing the risk of fire, ensuring the safety of the electrical network and increasing the safety of users.

What needs to be done for the electrical connection of the electric boiler can generally be as follows:

- An electrical connection point that complies with local electrical regulations must be selected.
- An electrical line suitable for the power requirements of the electric boiler must be installed.
- The person or organization that will make the electrical connection must have the necessary licenses and certificates.
- Safety precautions such as insulation and grounding should be taken when connecting the electric boiler.
- Appropriate cable cross-sections and safety devices must be used during the connection process.
- The connection must be made by an authorized and experienced electrician or electrical engineer.
- After the connection process is completed, the system must be tested and the necessary approvals must be obtained.
- These steps are important to ensure the safe and effective operation of your electric boiler.
In all cases, it is important to consult local electrical codes and authorities and ensure that the requirements are fully met.



“Feel The Heat...”

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