

SOLID FUEL BOILERS WIDZEW

POWER. RELIABILITY. EFFICIENCY.

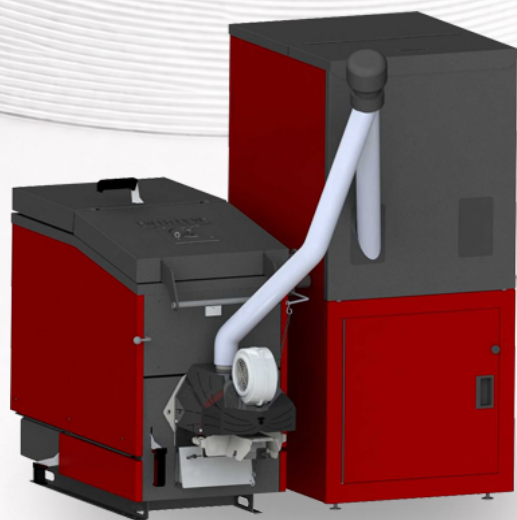


DOMESTIC
BOILERS

INDUSTRIAL
BOILERS



BOILERS WITH
AUTOMATIC FEED



RELIABILITY

Proven solutions
for safe operation



EFFICIENCY

High efficiency
and fuel economy



POWER

Wide range of
models for all needs



AUTOMATION

Convenient control
and stable operation

HEAT THAT WORKS FOR YOU

European quality and
innovative technologies
for your comfort.

 54028, Ukraine,
Mykolaiv, V. Chornovola st., 1;

 info@widgew.ua;

 www.wd.ua

 Contact phones:
+38 (050) 493-03-99
+38 (050) 666-15-12
+38 (063) 270-28-90



wd.ua

Table of Contents

About the company.....	3
Solid fuel boilers, series «KV».....	4
Solid fuel boilers, series «KV Profi».....	5
Solid fuel boilers, series «KSH».....	6
Solid fuel boilers, series «KSH Profi».....	7
Solid fuel boilers, series «KD».....	8
Solid fuel boilers, series «KD Profi».....	9
Industrial solid fuel boilers, series «KP».....	10
Boilers with automatic feeding, series «KD».....	11
Boilers with automatic feeding, series «KD Profi».....	12
Boilers with automatic feeding, series KM «Pellets Modular».....	13
Industrial boilers, series <<KP>>, with automatic fuel feeding.....	14

About the company

"WIDZEW" - a service metal center that manufactures metal structures, corrugated sheeting and metal tiles, steel mesh, sells rolled metal products and provides metal processing services.

The company was founded in 1993, has its own production and warehouse base in Mykolaiv and a vehicle fleet.

One of the main and key areas of the company's activity fleet. One of the main and key areas of the company's activity is the manufacture of solid fuel stoves and boilers.

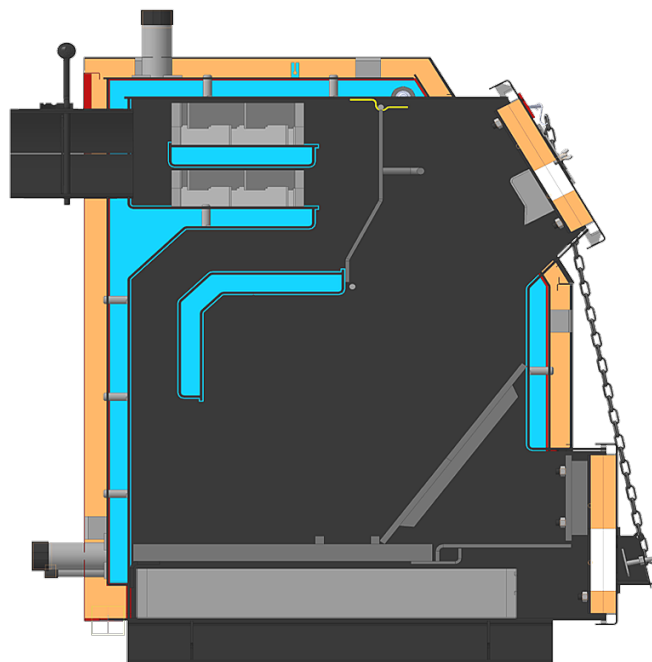
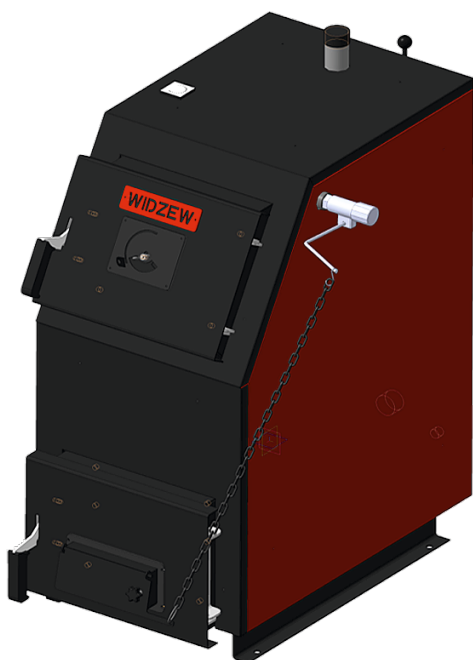
The goal of our enterprise is to manufacture a quality and useful product for end consumers. We are constantly working on improving our product, increasing the technological level thanks to new equipment, developing our own patented models and engineering solutions.

Our boilers bring warmth and give confidence in every season.



SOLID FUEL BOILERS OF THE "KV" SERIES

MODEL RANGE: 12-50 kW



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

Parameter / Model	12-16	20-25
Nominal power (kW)	100-160	200-250
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)	
Boiler operating mode	1,8	2,25
Heat transfer surfaces in heat exchanger (m2)	Wood, coal, briquettes	
Firebox dimensions (HxWxD) mm	550x300x573	640x350x628
Firebox volume (dm3)	65	96
Log length (mm)	460	500
Exhaust gas temperature at boiler outlet (°C)	180	
Recommended minimum water temperature (°C)	55	
Maximum water temperature (°C)	95	
Nominal water pressure (Mpa)	2	
Chimney connection dimensions (mm)	150	160
Chimney height (m)	6-7	
Water capacity of boiler (L)	54	69
Boiler weight without water (kg)	198	243
Boiler overall dimensions (HxWxD) mm	1049x471x983	1147x536x1042



82%
HIGH
EFFICIENCY
(COP)



100-250m²
HEATING
AREA



REWABLE
CONSTRUCTION



UP TO
5 YEAR
WARRANTY

FUEL TYPES:



WOOD



COAL



BRIQUETTES

ADVANTAGES

- Double thermal insulation of the door minimizes heat loss.
- Turbulators in the heat exchanger increase efficiency.
- Optionality for installing an electric heating element.
- Lower or upper combustion (eco-mode).
- Power switching function.
- Grate bar shaking mechanism.



ADMINISTRATIVE &
PUBLIC BUILDINGS



INDIVIDUAL
HOUSING



HOSPITALS &
REHABILITATION CENTERS

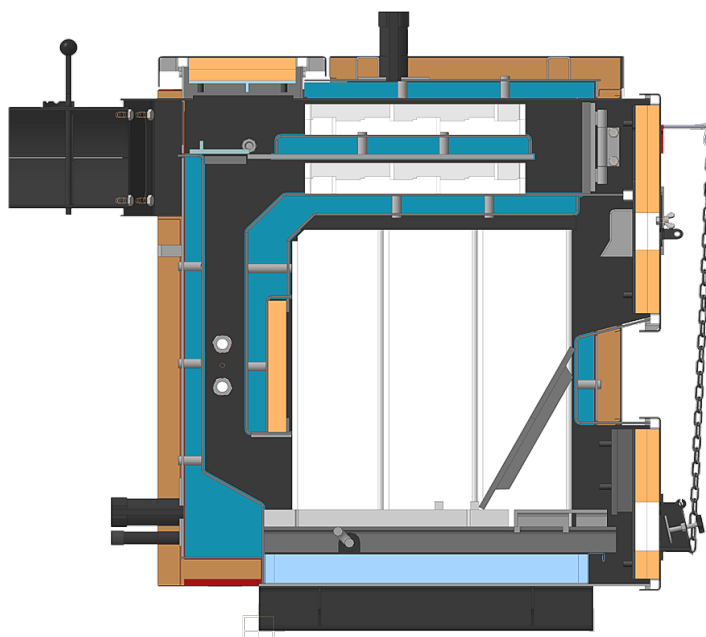


COMMUNAL-HOUSEHOLD
UTILITY BUILDINGS



SOLID FUEL BOILERS "KV-PROFI" SERIES

MODEL RANGE: 12-50 kW



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

Parameter / Model	12-16	20-25
Nominal power (kW)	120-160	200-250
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)	
Boiler operating mode	2,3	2,7
Heat transfer surfaces in heat exchanger (m2)	Wood, coal, briquettes	
Firebox dimensions (HxWxD) mm	500x300x480	515x350x485
Firebox volume (dm3)	73,35	93
Log length (mm)	460	500
Exhaust gas temperature at boiler outlet (°C)	180	
Recommended minimum water temperature (°C)	55	
Maximum water temperature (°C)	95	
Nominal water pressure (Mpa)	2	
Chimney connection dimensions (mm)	160	180
Chimney height (m)	7-8	8-9
Water capacity of boiler (L)	58	75
Boiler weight without water (kg)	304	320
Boiler overall dimensions (HxWxD) mm	1036x728x1160	1084x784x1181


86%
HIGH
EFFICIENCY
(COP)


120-250m²
HEATING
AREA


REWEAVE
CONSTRUCTION


UP TO
5 YEAR
WARRANTY

FUEL TYPES:



WOOD



COAL



BRIQUETTES

ADVANTAGES

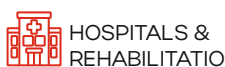
- Double thermal insulation of doors minimizes heat loss;
- Presence of turbulators in the heat exchanger;
- Possibility of installing an electric heating element;
- Steel lining of the combustion chamber;
- Chamotte lining of the combustion zone;
- Fire-tube heat exchanger and its cleaning system;
- Presence of a grate shaking system.



ADMINISTRATIVE &
PUBLIC BUILDINGS



INDIVIDUAL
HOUSING



HOSPITALS &
REHABILITATION CENTERS

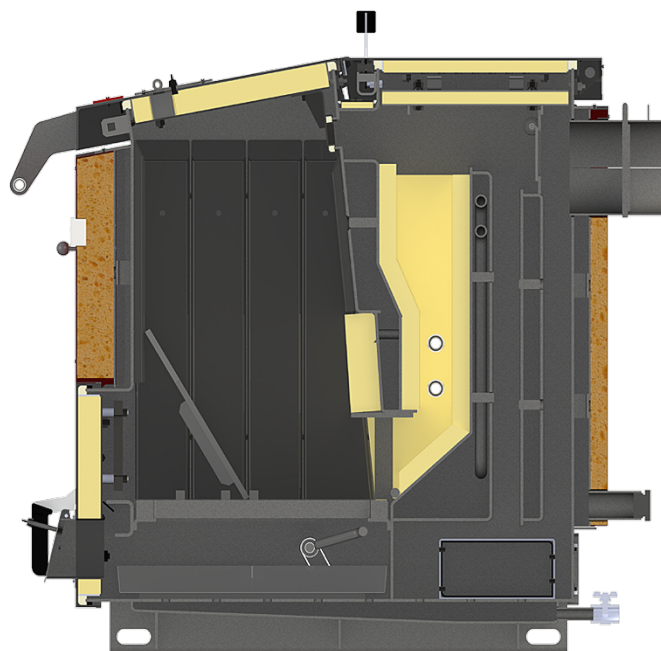


COMMUNAL-HOUSEHOLD
UTILITY BUILDINGS



SOLID FUEL BOILERS "KSH" SERIES

MODEL RANGE: 12-50 kW



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

Parameter / Model	12-20	25-30	40-50
Nominal power (kW)	70-250	150-300	350-500
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)		
Boiler operating mode	2	3	5,3
Heat transfer surfaces in heat exchanger (m2)	Wood, briquettes		
Firebox dimensions (HxWxD) mm	560x340x455	635x360x480	860x480x410
Firebox volume (dm3)	63	96	150
Log length (mm)	350	380	390
Exhaust gas temperature at boiler outlet (°C)	170		
Recommended minimum water temperature (°C)	55		
Maximum water temperature (°C)	90		
Nominal water pressure (Mpa)	2		
Chimney connection dimensions (mm)	158	178	218
Chimney height (m)	7-8	8-9	9-10
Water capacity of boiler (L)	65	95	152
Boiler weight without water (kg)	350	460	650
Boiler overall dimensions (HxWxD) mm	1065x715x1170	1150x745x1215	1345x864x1286

FUEL TYPES:

ADVANTAGES

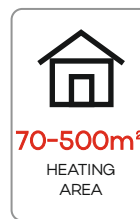
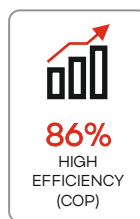


WOOD



BRIQUETTES

- Large, convenient firebox for loading;
- Firebox zone lining;
- Flue gas damper;
- Double door thermal insulation;
- Grate shaker series.



ADMINISTRATIVE &
PUBLIC BUILDINGS



INDIVIDUAL
HOUSING



HOSPITALS &
REHABILITATION CENTERS

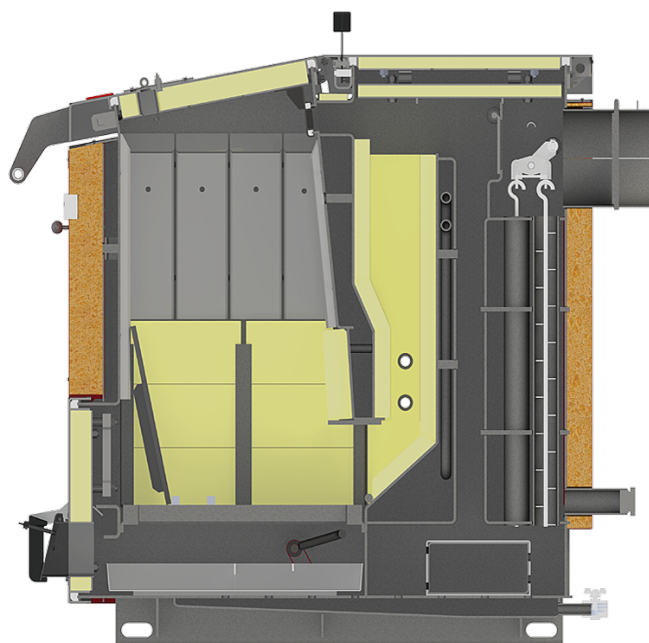


COMMUNAL-HOUSEHOLD
UTILITY BUILDINGS



SOLID FUEL BOILERS "KSH-PROFI" SERIES

MODEL RANGE: 12-50 kW



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

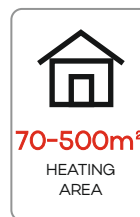
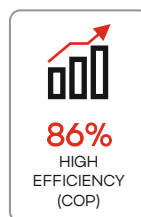
Parameter / Model	12- 20	25-30	40-50
Nominal power (kW)	70-250	150-300	350-500
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)		
Boiler operating mode	2,4	3,2	5,5
Heat transfer surfaces in heat exchanger (m2)	Wood, briquettes		
Firebox dimensions (HxWxD) mm	515x310x455	670x340x480	870x460x490
Firebox volume (dm3)	63	96	150
Log length (mm)	350	380	390
Exhaust gas temperature at boiler outlet (°C)	170		
Recommended minimum water temperature (°C)	55		
Maximum water temperature (°C)	90		
Nominal water pressure (Mpa)	2		
Chimney connection dimensions (mm)	158	178	218
Chimney height (m)	7-8	8-9	9-10
Water capacity of boiler (L)	62	92	152
Boiler weight without water (kg)	454	527	734
Boiler overall dimensions (HxWxD) mm	1046x712x1236	1150x745x1280	1345x864x1345

FUEL TYPES:



ADVANTAGES

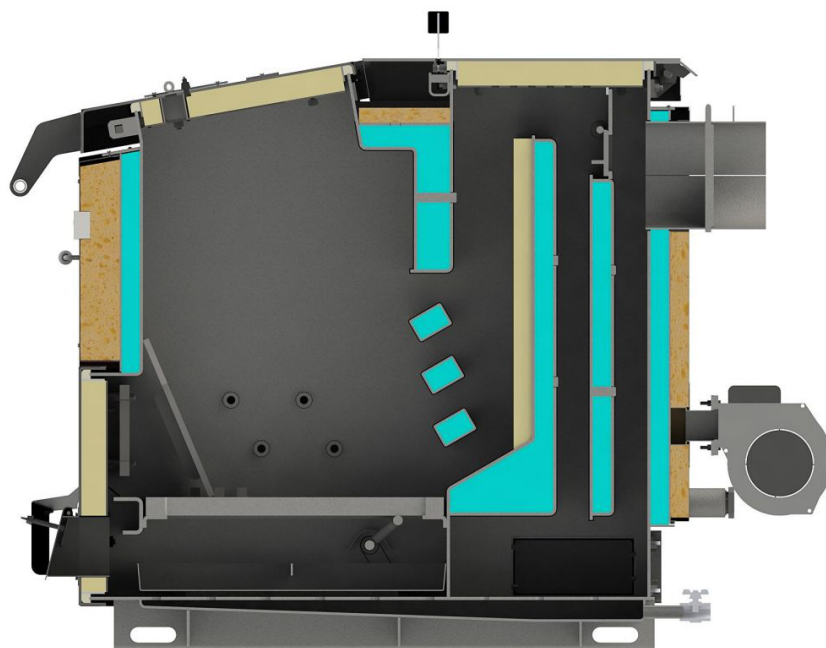
- Large, Easy-to-Load Firebox
- Firebrick Lining of Combustion Zone
- Flue Gas Damper Present
- Double Thermal insulation of Doors
- Steel Cladding of the Firebox Chamber
- Fire-tube Heat Exchanger and Cleaning Systems
- Grate Shaking Mechanism Present





SOLID FUEL BOILERS "KD" SERIES

MODEL RANGE: 12-80 kW



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

Parameter / Model	12- 20 (по побутові)	25-30	40-50	70-80
Nominal power (kW)	70-250	150-300	350-500	650-800
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)			
Boiler operating mode	2,1	3,1	5	8,1
Heat transfer surfaces in heat exchanger (m2)	Wood, coal, briquettes			
Firebox dimensions (HxWxD) mm	520x330x400	590x400x500	730x420x590	850x500x750
Firebox volume (dm3)	62	103	168	305
Log length (mm)	500	550	700	850
Exhaust gas temperature at boiler outlet (°C)	170			
Recommended minimum water temperature (°C)	55			
Maximum water temperature (°C)	90			
Nominal water pressure (Mpa)	2			
Chimney connection dimensions (mm)	158	178	218	247
Chimney height (m)	7-8	8-9	9-10	10-11
Water capacity of boiler (L)	62	78	146	200
Boiler weight without water (kg)	310	400	530	820
Boiler overall dimensions (HxWxD) mm	975x675x1113	1055x750x1255	1194x774x1485	1412x860x1955

FUEL TYPES:



WOOD



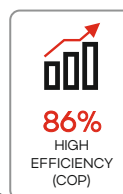
COAL



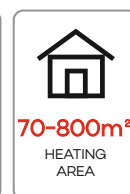
BRIQUETTES

ADVANTAGES

- Large, convenient for loading firebox;
- Firebrick lining of the combustion zone;
- Presence of a damper for flue gas control;
- Double thermal insulation of doors;
- Steel volume of the firebox;
- Smoke-tube heat exchanger and its cleaning system;
- Presence of a grates cleaning mechanism.



86%
HIGH
EFFICIENCY
(COP)



70-800m²
HEATING
AREA



RELIABLE
CONSTRUCTION



UP TO
5 YEAR
WARRANTY



ADMINISTRATIVE &
PUBLIC BUILDINGS



INDIVIDUAL
HOUSING



HOSPITALS &
REHABILITATION CENTERS

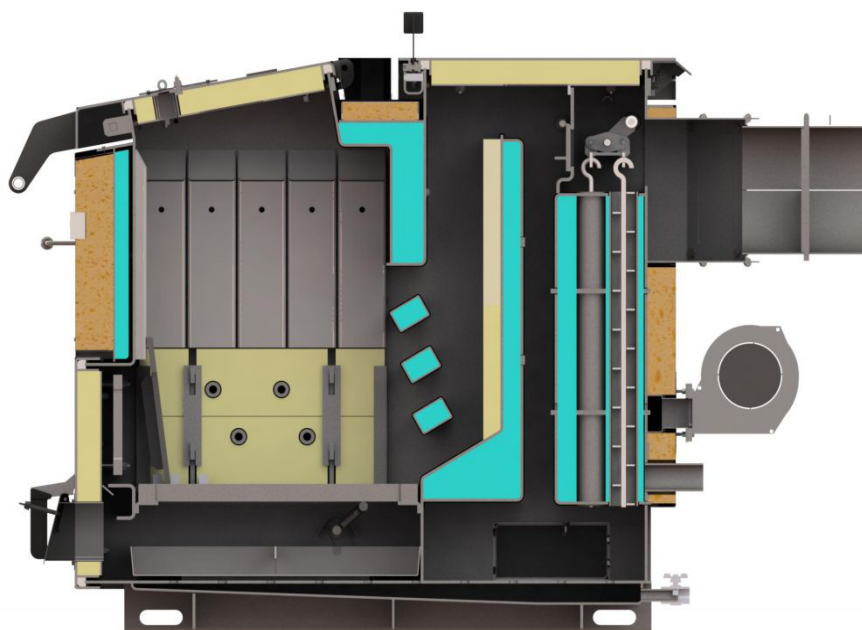


COMMUNAL-HOUSEHOLD
UTILITY BUILDINGS



SOLID FUEL BOILERS "KD-PROFI" SERIES

MODEL RANGE: 12-80 kW



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

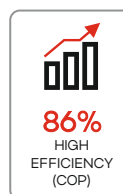
Parameter / Model	12-20	25-30	40-50	70-80
Nominal power (kW)	70-250	150-300	350-500	650-800
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)			
Boiler operating mode	2	3,1	5	8
Heat transfer surfaces in heat exchanger (m2)	Wood, coal, briquettes			
Firebox dimensions (HxWxD) mm	520x330x400	590x400x500	730x420x590	850x500x750
Firebox volume (dm3)	65	100	163	300
Log length (mm)	500	550	330	850
Exhaust gas temperature at boiler outlet (°C)	170			
Recommended minimum water temperature (°C)	55			
Maximum water temperature (°C)	90			
Nominal water pressure (Mpa)	2			
Chimney connection dimensions (mm)	178	218	217	247
Chimney height (m)	7-8	8-9	9-10	10-11
Water capacity of boiler (L)	63	90	160	220
Boiler weight without water (kg)	410	510	700	1100
Boiler overall dimensions (HxWxD) mm	975x734x1350	1055x808x1512	1190x833x1236	1413x630x2044

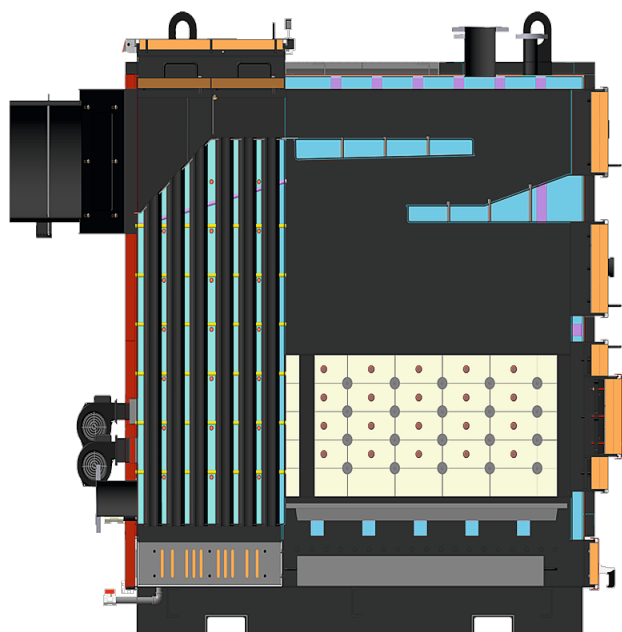
FUEL TYPES:



ADVANTAGES

- Large, convenient firebox for loading;
- Chamotte lining of the combustion zone;
- Flue gas damper presence;
- Double door thermal insulation
- Steel casing of the combustion chamber
- Shell-and-tube heat exchanger and its cleaning system
- Shaker grate system





TECHNICAL CHARACTERISTICS

BOILER CAPACITY

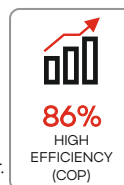
Parameter / Model	100	150	200	250	300	400	500
Nominal power (kW)	1000	1500	2000	2500	3000	4000	5000
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)						
Boiler operating mode	10,5	13,7	19,2	22,75	29,5	38,6	49,5
Heat transfer surfaces in heat exchanger (m2)	Wood, coal, briquettes						
Firebox dimensions (HxWxD) mm	750x690	900x750	1000x850	1100x900	1150x985	1200x1250	1400x1370
Firebox volume (dm3)	440	641	880	1020	1223	1627	2167
Log length (mm)							
Exhaust gas temperature at boiler outlet (°C)	100-170						
Recommended minimum water temperature (°C)	57						
Maximum water temperature (°C)	90						
Nominal water pressure (Mpa)	0,2						
Chimney connection dimensions (mm)	297	348		398		448	497
Chimney height (m)	8-9	9-10	11-12	12-13		14-16	
Water capacity of boiler (L)	345	480	526	743	660	1300	1600
Boiler weight without water (kg)	1446	1800	2338	2650	3210	3470	4040
Boiler overall dimensions (HxWxD) mm	1874x1714x1110	2020x1934x1170	2209x2232x1267	2290x2360x1420	2350x2570x1420	2422x2700x1718	2540x3072x1841

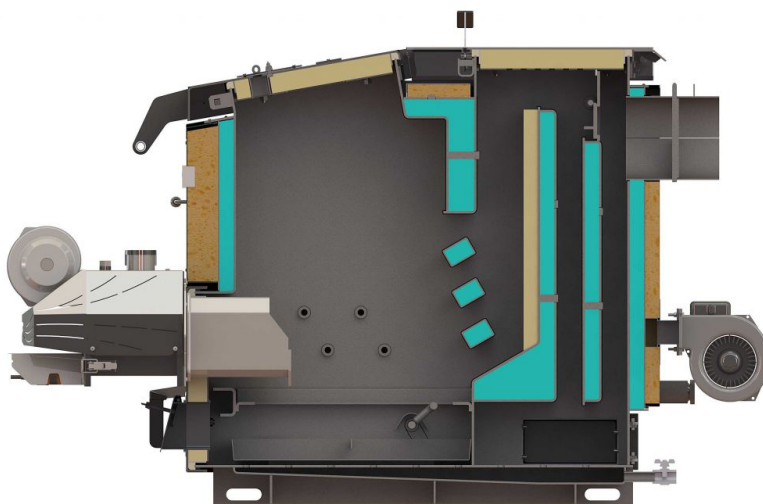
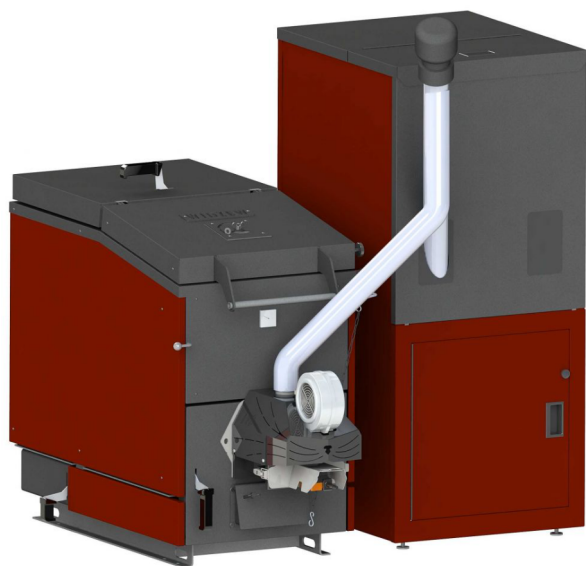
FUEL TYPES:

ADVANTAGES



- Boiler can be optionally equipped with a hot water return temperature control system to prevent condensation;
- Adapted for mounting pellet flare burners;
- Double thermal insulation of all doors;
- Firebox lined with refractory brick;
- Presence of a direct gas pass flap in the boiler.





TECHNICAL CHARACTERISTICS

BOILER CAPACITY

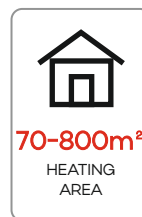
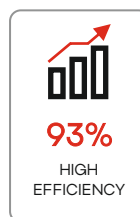
Parameter / Model	12-20	25-30	40-50	70-80
Nominal power (kW)	70-250	150-300	350-500	650-800
Heating area (m2)	Econ. (prolonged smoldering) Max. (rapid heating)			
Boiler operating mode	2,2	3	5	7,2
Heat transfer surfaces in heat exchanger (m2)	Pellets			
Firebox dimensions (HxWxD) mm				
Firebox volume (dm3)	350		500	
Log length (mm)				
Exhaust gas temperature at boiler outlet (°C)	100-180			
Recommended minimum water temperature (°C)	58			
Maximum water temperature (°C)	90			
Nominal water pressure (Mpa)	0,2			
Chimney connection dimensions (mm)	158	178	218	247
Chimney height (m)	7-8	8-9	9-10	10-11
Water capacity of boiler (L)				
Boiler weight without water (kg)				
Boiler overall dimensions (HxWxD) mm	975x1279x998	1055x1353x1131	1194x1484x1376	1412x1569x1846

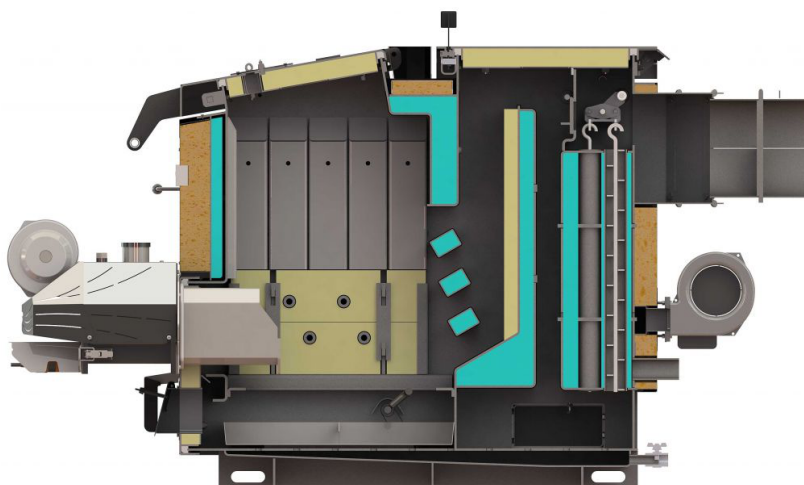
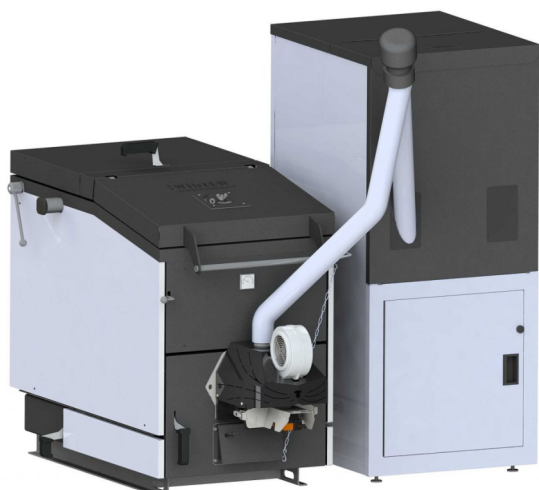
FUEL TYPES:

ADVANTAGES



- Automatic ignition and extinguishing;
- Power modulation 30-100%;
- Possibility of manual boiler operation;
- Three-pass vertical heat exchanger;
- Burner with self-cleaning functional;
- All boiler doors with double thermalinsulation.





TECHNICAL CHARACTERISTICS

BOILER CAPACITY

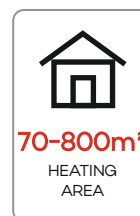
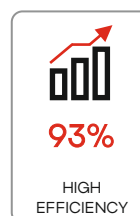
Parameter / Model	12-20	25-30	40-50	70-80
Nominal power (kW)	70-250	150-300	350-500	650-800
Heating area (m2)	Econ. (continuous smoldering) Max. (rapid heat-up)			
Boiler operating mode	2,4	3,2	5,2	7,8
Heat transfer surfaces in heat exchanger (m2)	Pellets			
Firebox dimensions (HxWxD) mm				
Firebox volume (dm3)	350		500	
Log length (mm)				
Exhaust gas temperature at boiler outlet (°C)	100-180			
Recommended minimum water temperature (°C)	58			
Maximum water temperature (°C)	90			
Nominal water pressure (Mpa)	0,2			
Chimney connection dimensions (mm)	178	218	217	247
Chimney height (m)	7-8	8-9	9-10	10-11
Water capacity of boiler (L)				
Boiler weight without water (kg)				
Boiler overall dimensions (HxWxD) mm	973x1341x1234	1055x1414x1396	1191x1543x1611	1413x1628x1932

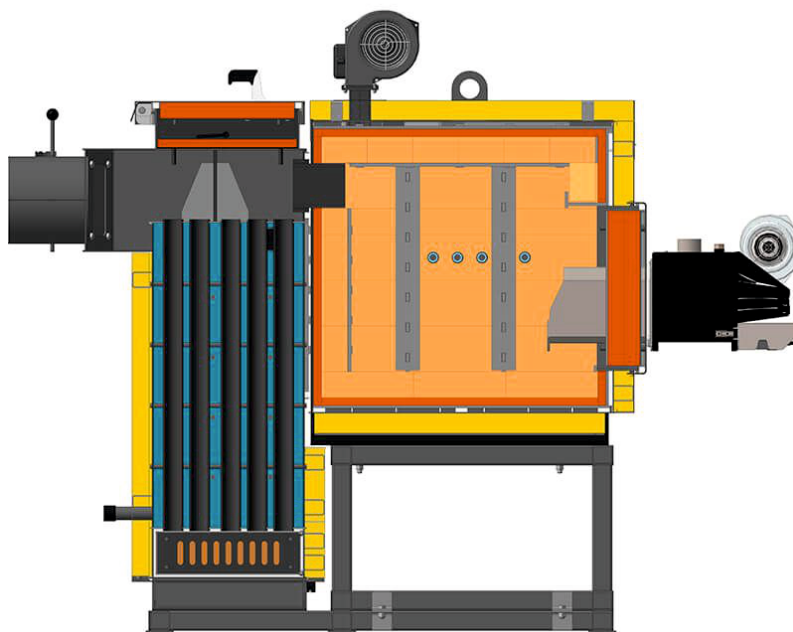
FUEL TYPES:

ADVANTAGES



- Automatic ignition and extinguishing;
- Power modulation 30-100%;
- Possibility of boiler operation in manual mode;
- Three-pass vertical heat exchanger;
- Burner with self-cleaning function;
- All boiler doors with double thermal insulation.





TECHNICAL CHARACTERISTICS

BOILER CAPACITY

Parameter / Model	16 - 26	25 - 50
Nominal power (kW)	160 - 260	260 - 500
Heating area (m2)	Econ. (prolonged burning) Max. (rapid heating)	
Boiler operating mode	2,57	5,1
Heat transfer surfaces in heat exchanger (m2)	Pellets	
Firebox dimensions (HxWxD) mm	500x300x480	515x350x485
Firebox volume (dm3)	350	500
Log length (mm)		
Exhaust gas temperature at boiler outlet (°C)	100-180	
Recommended minimum water temperature (°C)	58	
Maximum water temperature (°C)	90	
Nominal water pressure (Mpa)	2	
Chimney connection dimensions (mm)	178	218
Chimney height (m)	6-7	8-9
Water capacity of boiler (L)		
Boiler weight without water (kg)		
Boiler overall dimensions (HxWxD) mm	1440x1420x1400	1557x1650x1594



93%

HIGH
EFFICIENCY



160-500m²

HEATING
AREA



REWABLE
CONSTRUCTION



UP TO
5 YEAR
WARRANTY

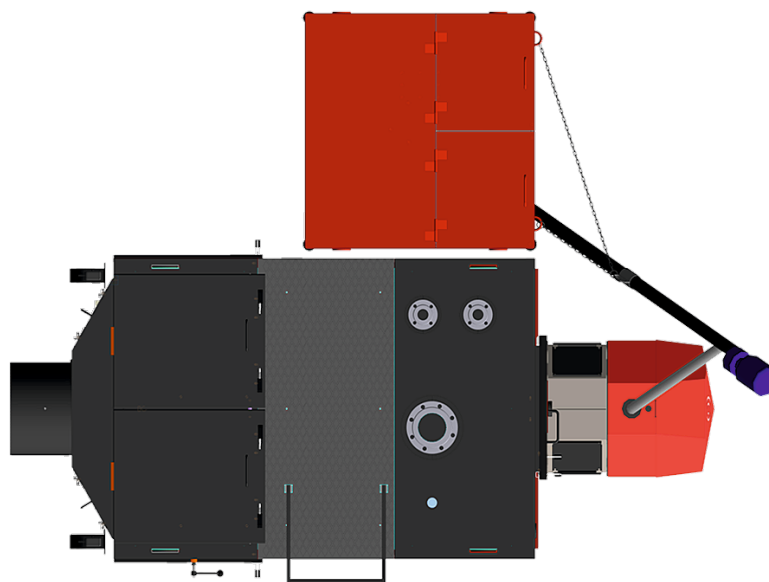
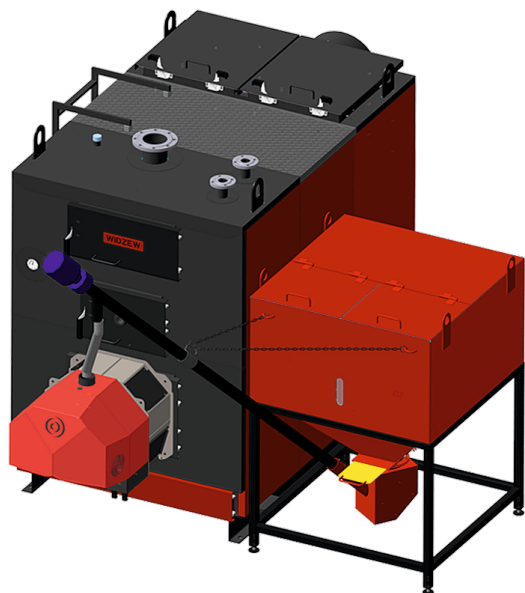
FUEL TYPES:

ADVANTAGES



PELLETS

- "Dry firebox" (absence of water jacket in the combustion zone) of the boiler creates conditions for full combustion and thus significant fuel savings;
- The process of burning in a "dry firebox" intensifies due to additional radiation from fire-resistant brick;
- Presence of an air preheating system for secondary air;
- Modular construction improves reparability and transportability of the boiler;
- Simple, reliable design, easy maintenance;
- Complete absence of condensate and ash corrosion in the firebox;
- Less ash is formed when operating the boiler with a "dry firebox".



TECHNICAL CHARACTERISTICS

BOILER CAPACITY

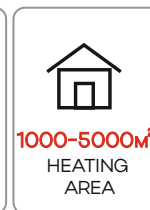
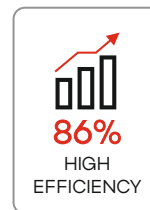
Parameter / Model	100	150	200	250	300	400	500
Nominal power (kW)	1000	260-500	2000	3000		4000	5000
Heating area (m2)	Econ. (long burning) Max. (rapid heating)						
Boiler operating mode	10,5	13,7	19,2	22,75	29,5	38,6	49,5
Heat transfer surfaces in heat exchanger (m2)	Pellets, agropellet						
Firebox dimensions (HxWxD) mm							
Firebox volume (dm3)	440	641	880	1020	1223	1627	2167
Log length (mm)							
Exhaust gas temperature at boiler outlet (°C)	100-170						
Recommended minimum water temperature (°C)	57						
Maximum water temperature (°C)	90						
Nominal water pressure (Mpa)	0,2						
Chimney connection dimensions (mm)	297	348		398		448	497
Chimney height (m)	8-9	9-10	11-12	12-13		14-16	
Water capacity of boiler (L)					660	1300	1600
Boiler weight without water (kg)					3210	3470	4040
Boiler overall dimensions (HxWxD) mm	1750x2080x2437	1866x2127x2628	1944x2127x2813	2317x2432x3057	2302x2870x3303	2303x3121x3432	2303x3242x3838

FUEL TYPES:

ADVANTAGES



- Due to high efficiency of pellets, pellet boilers are distinguished by high efficiency;
- Four-pass heat exchanger design, refractory brick-lined furnace, and modern thermal insulation of the boiler;
- Automatic taration and extinguishing of the burner;
- Fully automatic boiler operation;
- Safe operation;
- Allows modulation of the burner power;
- Low electricity consumption.

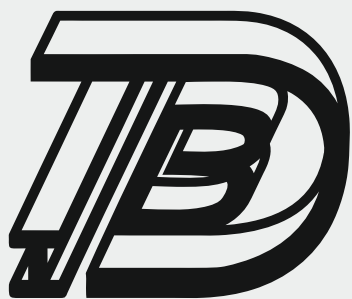




SOLID FUEL BOILERS

WIDZEW

POWER.
RELIABILITY.
EFFICIENCY.



SOLID FUEL BOILERS

WIDZEW

POWER. RELIABILITY. EFFICIENCY.



wd.ua



54028, Ukraine,
Mykolaiv, V. Chornovola st., 1;



info@widgew.ua;



www.wd.ua



Contact phones:

+38 (050) 493-03-99

+38 (050) 666-15-12

+38 (063) 270-28-90