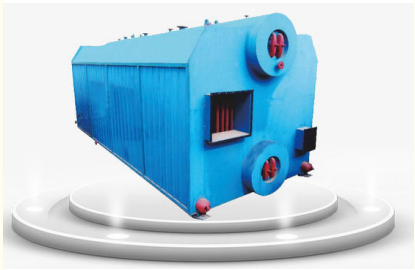
Automatic Coal Industrial Hot Water Boiler Draft Fan Cooling Wall Full Combustion

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month



Product Specification

- Power: 1.4MW
- Pressure: 1.0MPa
- Outlet Water Temperature: 95
- Efficiency: 83%
- Design Fuel: Coal
- Water Volumn: 3.59m³
- Weight: Depends
- Color: Customization
- Highlight: **oil fired hot water furnace**, **hot water wood boiler**

Product Discription

Series Double Drum Chain Grate Biomass Water Boiler

series double drum chain grate biomass hot water boiler, boiler host design as double boiler drum longitudinal layout, set steam water separating device in upper boiler drum, set periodic blow-off device in lower boiler drum, there are water cooling wall tubes at left and right side of furnace. Use light chain grate add fuel automatically, the back of furnace is re-burning chamber, convection tubes, the tail of furnace is economizer or air preheater, equip with blower, draft fan for mechanical ventilation, and also equip with slag extractor for slagging automatically. Fuel fall down to chain grate and enter furnace for burning, the flue gas go through furnace, re-burning chamber, convection tubes, economizer or air preheater into tail flue, enter deduster, draft fan and chimney, and finally discharge into atmosphere.

Product Features

1. Installation convenience:
The boiler is generally fast-loading factory, easy to transport and on-site installation, greatly shorten the construction cycle, save installation costs, so that the boiler can be put into production in time.

2. Reliable operation:
Boiler heating surface layout is reasonable, water circulation is smooth, and each heating surface is cooled in time, so as to effectively ensure the safe operation of the boiler.

3. Maintenance and repair convenience:
Boiler drum set up manhole, can enter inspection repair. It is convenient to open the smoke box in front of the boiler, and the personnel can check it easily and clearly, which provides a good condition for correct treatment.

4. Full combustion:
With the secondary air and reasonable furnace design, the fuel can be fully burned and the black smoke can be eliminated.

5. High efficiency grate:
Boiler grate adopts double side ventilation, which is brought naturally to the front end of boiler row by dust cleaning technology, which avoids air leakage, fuel leakage and uneven ventilation, and is easy to operate, and has obvious advantages compared with ordinary grate.

6. Convenient ash cleaning:
Many ash cleaning holes can be set up on the boiler, which can remove ash in time and effectively, avoid the trouble of operation and decrease of thermal efficiency caused by boiler ash accumulation, and ensure the stability of boiler load.

Technical Parameters

Thermal Power	MW	1.4	2.8	4.2	5.6	7	10.5	14	17.5
Outlet Pressure	MPa	1.0	1.0	1.0	1.0	1.0	1.0/1.25/1.6	1.0/1.25/1.6	1.0/1.25/1.6
Outlet Temperature		95	95	95/115	95/115	95/115	95/115	95/115	95/130
Feed Water Temperature		70	70	70	70	70	70	70	70
Thermal Efficiency	/	≥83%							
Fuel	/	Biomass particles							
Fuel Consumption	Kg/h	348.6	685	938.8	1366.2	1694.6	2583	3410	4272
Heating area	m^2	81.26	165.26	233	351.2	391	547.6	826	1110
Grate area	m^2	2.8	6.04	8.64	11.71	13.64	15.33	19.16	26.3
Power consumption	Kw	25.3	34	62.4	76.2	87.2	138	206.5	218
water volume	m^3	3.59	6.67	8.33	8.42	12.7	13.9	15.6	18

Note: the fuel consumption in the table is calculated on the basis of the low calorific value of biomass particles 17084KJ/Kg (4085Kcal/Kg). If the low calorific value of biomass fuel is larger than this value, the corresponding fuel consumption will be more economical than the value in the table.

External and Interface Dimension of Biomass Hot water boiler

Steam Capacity	t/h	1.4	2.8	4.2	5.6	7	10.5	14	17.5

Transport Dimension	L	mm	5600	7380	6900	7000	2800	8700	11900	10700
	W	mm	2500	2700	2660	3400	3020	3340	3200	3000
	H	mm	3500	3740	3500	3700	3500	3570	2360	4000
Maximum Transport Weight	/	t	24.5	31	30	32.5	34	35	35	36
Outlet Water Valve	DN	mm	100	125	150	200	200	250	2*200	2*200
Feed Water Valve	DN	mm	100	125	150	200	200	250	2*200	2*200
Safety Valve Diameter	DN	mm	1*50	2*40	2*50	2*50	2*50/80	100*80	2*100	2*100
Drain Valve Pipe Diameter	DN	mm	2*40/50	3*40	40/3*50	4*40	6*40	6*40	8*40	8*40
Chimney Diameter	φ	mm	350	410	530	720	750	950	1000	1200

Remarks: We will reserve rights to change the above mentioned data due to continuous policy transformation and product improvement.

VIKING Jinan Yinghua Outdoor Equipment Co., Ltd.

+8618812345678 Puooedr@maoyt.com newarrivals2025.com

Room 402.Dongbao Building,No.19 Dongbao Road,Chaoyang,Beijing 201613,China