



Fully Automatic Wood Pellet Steam Boiler , Biomass Pellet Boiler Coal Straw Fired

Our Product Introduction

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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

- Product Name: Series Biomass Fired Steam Boiler
- Fuel: Biomass, Straw, Wood, Coal
- Weight: Customization
- Style: Historical
- Condition: New
- Pressure: 1.25/1.6Mpa
- Dimension: Depends
- Type: Natural Circulation
- Warranty: 2 Years
- Color: Depends
- Highlight: biomass log boiler, biomass fired boiler



Product Description

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The new type of series steam boiler is a single drum-type boiler with water-fired tube shell, and the combustion equipment is a chain grate. The water wall on the left and right sides of the furnace is a radiative heating surface. The lower part of the boiler tube adopts a new technology of cross arrangement, the two wings of the furnace are convection heating surface, and a threaded flue pipe (57 × 3) convection heating surface is arranged in the pot tube. The heat-resistant concrete is adopted in the furnace wall, and the outer part of the boiler is a three-dimensional guard shell.

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

Main Technical Parameters of Biomass Series Steam Boiler

Steam Capacity	t/h	1	2	3	4	6	8	10
Working Pressure	MPa	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6
Steam Temperature		193/204	193/204	193/204	193/204	193/204	193/204	193/204
Feed Water Temperature		20	20	20	20	20	20	60
Thermal Efficiency	/	≥82%						
Fuel	/	Biomass particles						
Fuel Consumption	Kg/h	176.6	352.3	571	522	1044	1396.5	1743.3
Heating area	m ²	39.82	86	120.2	174.32	220.6	317	409
Grate area	m ²	1.97	3.2	4.8	5.5	7.04	11.7	13.6
Power consumption	Kw	18	26	31.5	34	62.4	76.4	87.2
water volume	m ³	4.5	4.68	5.9	6.3	11	13.8	16.5

Note: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 steam boiler

Steam Capacity	t/h	1	2	3	4	6	8	10
Transport Dimension	L mm	5100	6140	6330	6880	7290	7800	8500
	W mm	2200	2600	2700	2700	3190	3400	3400
	H mm	2900	3300	3300	3300	3700	3700	3700
Mainframe Transport Weight	/ t	15	18	24	27	31	33	41
Main Steam Valve Pipe Diameter	DN mm	65	80	100	100	125	150	150

Feed Water Valve	DN	mm	40	40	40	40	50	50	50
Safety Valve Diameter	DN	mm	2*40	2*50	2*50	2*50	50/80	2*80	2*80
Drain Valve Pipe Diameter	DN	mm	3*40	3*40	3*40	3*40	3*40	3*40	3*40
Chimney Diameter	φ	mm	280	350	410	410	530	720	750

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



Jinan Yinghua Outdoor Equipment Co., Ltd.



+8618812345678



Puooedr@maoyt.com



newarrivals2025.com

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