



## Industrial Biomass Steam Boiler , Waste Wood Boiler Single Cylinder Waterproof Shells

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

- Product Name: Series Rice Husk Wood Chip Burning Biomass Fired Steam Boiler
- Design Fuel: Biomass, Straw, Wood, Coal
- Output: Steam
- Style: Historical
- Condition: New
- Pressure: 1.25/1.6Mpa
- Dimension: Depends
- After-sales Service Provided: Engineers Available To Service Machinery Overseas
- Feed Water Temperature: 20
- Color: Depends
- Highlight: industrial biomass boiler, biomass fired boiler



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## Product Description

### Product Description

#### Series Biomass Fired Steam Boiler

New sewing machines are single-cylinder boilers with waterproof shells and the fuel equipment is a deep chain. The water wall on the left and right sides of the stove has a bright heating level.

The lower part of the sewing pipe is adopting the new technology: Two wings of the stove body are convex heat and the heat level of the stainless steel conveyor belt (57 × 3) is located on the drum. The fire wall is made of resistant concrete and has three dimensions outside the pots.

### Product Features

#### 1. Easy install:

Typically, a boiler is a fast-moving plant that is convenient for transportation and installation, which shortens the construction time, saves installation costs, and allows for timely commissioning of the boiler.

#### 2. Reliable action:

The design of the boiler heating system is reasonable, the water flow is stable and the thermal safety level is cooled in a timely manner to ensure the safety of the boiler.

#### 3. Appropriate maintenance and repairs:

The pot drum is provided with an inspection hole to access the inspection. Opening a smoking box in front of the fire is convenient and the staff can easily and clearly inspect and create the right conditions for proper treatment.

#### 4. Complete burn:

With secondary air conditioning and a smoother design, the fuel is fully burned to eliminate black smoke.

#### 5. Effective golf:

The fire accepts dual ventilation and is naturally prevented by purification technology from the front of the pots to avoid airflow, oil leakage, irregular ventilation, proper operation and visible advantages over a simple grinder.

#### 6. Convenient Cleaning:

Large amount of ash combustion can be formed in the fire that can effectively remove dust from the soil, prevent work errors, reduce heat efficiency by collecting ash and provide a stable 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 <sup>2</sup>	39.82	86	120.2	174.32	220.6	317	409
Grate area	m <sup>2</sup>	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 <sup>3</sup>	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
	W	mm	2200	2600	2700	2700	3190	3400
	H	mm	2900	3300	3300	3300	3700	3700
Mainframe Transport Weight	/	t	15	18	24	27	31	41
Main Steam Valve Pipe Diameter	DN	mm	65	80	100	100	125	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.



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