



## Single Pot Biomass Steam Boiler Cold Water

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

- Name: 3t/h Wood Chip Burning DZL Series Biomass Fired Steam Boiler
- Pressure: 1.25/1
- Efficiency: 82%
- Certification: ISO CE
- Condition: New
- Working Pressure: 1.25/1.6Mpa
- Transport Dimension: 6.14\*2.6\*3.3
- Output: Steam
- Highlight: industrial biomass boiler, biomass fired boiler

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## Product Description

### Product Description

#### Series Biomass Steam Boiler

The new series steam boiler is a single-pot cold water boiler with a combustion chain. The cold water walls on both sides of the boiler are radiated.

The bottom of the oven tube undergoes a new cross process, in which the two wings of the oven have a current receiving area (57 x 3) with a powdery smoke pipe on the pot tube. The boiler wall is made of CA-resistant cement. Lor and the outside of the boiler are three shells.

### Product Features

#### 1. Installation facilities:

Waller usually installs fast installation device, installs convenient equipment transportation and equipment installation, greatly shortens the construction cycle, and provides users with a comfortable environment.

#### 2. Operation failed:

Boiler equipment is complete, water circulation, timely cooling.

#### 3. Maintenance equipment:

The drawer in front of the boiler can be checked simply and clearly. These are good conditions for correct operation.

#### 4. burning

The coating system is reasonable and the water circulation is flexible.

#### 5. Living and Sustainability:

Refrigeration is an excellent and advanced production equipment with strict quality control. Every new boiler has quality assurance.

#### 6. Bass level:

Boiler is characterized by meeting the requirements of national environment such as combustion chamber gas emission temperature, high performance scrubber, low noise air and so on.

### 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          | <b>1.25/1.6</b> | 1.25/1.6 | 1.25/1.6 | 1.25/1.6 | 1.25/1.6 | 1.25/1.6 |
| Steam Temperature      |                | 193/204           | <b>193/204</b>  | 193/204  | 193/204  | 193/204  | 193/204  | 193/204  |
| Feed Water Temperature |                | 20                | <b>20</b>       | 20       | 20       | 20       | 20       | 60       |
| Thermal Efficiency     | /              | ≥82%              |                 |          |          |          |          |          |
| Fuel                   | /              | Biomass particles |                 |          |          |          |          |          |
| Fuel Consumption       | Kg/h           | 176.6             | <b>352.3</b>    | 571      | 522      | 1044     | 1396.5   | 1743.3   |
| Heating area           | m <sup>2</sup> | 39.82             | <b>86</b>       | 120.2    | 174.32   | 220.6    | 317      | 409      |
| Grate area             | m <sup>2</sup> | 1.97              | <b>3.2</b>      | 4.8      | 5.5      | 7.04     | 11.7     | 13.6     |
| Power consumption      | Kw             | 18                | <b>26</b>       | 31.5     | 34       | 62.4     | 76.4     | 87.2     |
| water volume           | m <sup>3</sup> | 4.5               | <b>4.68</b>     | 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 | <b>6140</b> | 6330 | 6880 | 7290 | 7800 | 8500 |
|                     | W mm | 2200 | <b>2600</b> | 2700 | 2700 | 3190 | 3400 | 3400 |
|                     | H mm | 2900 | <b>3300</b> | 3300 | 3300 | 3700 | 3700 | 3700 |

|                                |    |    |      |             |      |      |       |      |      |
|--------------------------------|----|----|------|-------------|------|------|-------|------|------|
| Mainframe Transport Weight     | /  | t  | 15   | <b>18</b>   | 24   | 27   | 31    | 33   | 41   |
| Main Steam Valve Pipe Diameter | DN | mm | 65   | <b>80</b>   | 100  | 100  | 125   | 150  | 150  |
| Feed Water Valve               | DN | mm | 40   | <b>40</b>   | 40   | 40   | 50    | 50   | 50   |
| Safety Valve Diameter          | DN | mm | 2*40 | <b>2*50</b> | 2*50 | 2*50 | 50/80 | 2*80 | 2*80 |
| Drain Valve Pipe Diameter      | DN | mm | 3*40 | <b>3*40</b> | 3*40 | 3*40 | 3*40  | 3*40 | 3*40 |
| Chimney Diameter               | φ  | mm | 280  | <b>350</b>  | 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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