



## Fully Burned 6 Tons Coal Fired Industrial Hot Water Boiler 1.25MPa Pressure Easy Installation

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: DZH Series 6 Tons Hand Fired Coal Fired Hot Water Boiler
- Pressure: 1.25MPa
- Outlet Water Temperature: 95/115
- Efficiency: 83%
- Condition: Condition
- Water Volumn: 5.1-20.5m³
- Output: Hot Water
- Usage: Industrial, Power Station, Poultry
- Highlight: oil steam boiler, hot water wood boiler

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## Product Description

### Product Discription

#### Series Pressure Manual Biomass Hot Water Boiler

series pressure manual biomass hot water boiler is horizontal tee water pipe and fire tube boiler, and a group of gear fire tube is arranged. Water-cooled walls are designed on the left and right sides of the stove. For mechanical ventilation, use a lightweight mobile grill with a blower and fan. The fuel falls onto the furnace, for example: After the furnace is completely burned, the flame enters the boiler wall through the flue gas passage in the central furnace wall, then re-enters the front smoke box from both sides of the combustion chamber and then returns to the boiler from the front smoke box. The pipes from the rear smoke box to the energy saving and dust collector are sucked into the chimney and chimney by the exhaust fan and eventually discharged into the atmosphere.

### Product Features

#### 1. Easy installation:

Boilers are usually installed quickly at the factory and are suitable for transport and field installation. The boiler greatly reduces the construction cycle and saves installation costs to ensure timely production.

#### 2. Reliable operation:

The heating surface of the boiler is reasonable. The water circulation ensures a gentle cooling of the heated surface over time, thus ensuring safe operation of the boiler.

#### 3. Easy to maintain and maintain:

The steam package of the boiler contains pipes that can be checked and repaired. The flue gas box in front of the boiler is easy to open, so that people can control it comfortably and clearly and provide good conditions for proper operation.

#### 4. Fully burned:

In secondary air and a suitable furnace design, the fuel can completely burn and emit black smoke.

#### 5. Efficient grate:

The boiler grid is matched with biomass fuel to prevent air leakage, fuel leakage and uneven ventilation. It is easy to use and has significant advantages over normal grids.

#### 6. Easy to clean ash:

Installing more than one ash extraction holes in the kettle can effectively remove the ash over time. It prevents the accumulation of process ash in the boiler, it also prevents the decrease of the thermal efficiency caused by the ash accumulation in the boiler and ensures the stability of the boiler load.

### Technical Parameters

#### Main Technical Parameters of DZH Series Pressure-bearing Hand-fired Biomass Hot Water Boiler

|                                |                |                                       |       |       |       |          |          |          |
|--------------------------------|----------------|---------------------------------------|-------|-------|-------|----------|----------|----------|
| Rated thermal power            | MW             | 0.7                                   | 1.4   | 2.1   | 2.8   | 4.2      | 5.6      | 7        |
| Rated outlet water pressure    | MPa            | 1.0                                   | 1.0   | 1.0   | 1.0   | 1.0/1.25 | 1.0/1.25 | 1.0/1.25 |
| Rated outlet water temperature |                | 95                                    | 95    | 95    | 95    | 95/115   | 95/115   | 95/115   |
| Rated return water temperature |                | 70                                    | 70    | 70    | 70    | 70       | 70       | 70       |
| Efficiency                     | %              | ≥83%                                  |       |       |       |          |          |          |
| Design fuel                    | /              | wood,straw ,rice husk,Biomass Pellets |       |       |       |          |          |          |
| Fuel consumption               | Kg/h           | 174.3                                 | 348.6 | 517   | 687.2 | 1023.8   | 1374     | 1708     |
| Heating area                   | m <sup>2</sup> | 35.2                                  | 79.8  | 114.2 | 168   | 207.6    | 300.5    | 391      |
| Grate                          | m <sup>2</sup> | 1.97                                  | 2.7   | 4.1   | 5.43  | 6.7      | 10.2     | 13.6     |
| Power Consumption              | Kw             | 13.7                                  | 18    | 31.5  | 31.5  | 45       | 69.2     | 95.5     |
| water capacity                 | m <sup>3</sup> | 5.1                                   | 5.58  | 6.95  | 9.3   | 14       | 17.8     | 20.5     |

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 that, the corresponding fuel consumption will be more economical than that in the table.


#### Shape and Interface Dimensions of DZH Series Pressure-bearing Hand-fired Biomass Hot Water Boilers

| Rated thermal power       |    | MW | 0.7  | 1.4  | 2.1  | 2.8  | 4.2  | 5.6  | 7       |
|---------------------------|----|----|------|------|------|------|------|------|---------|
| Mainbody transport size   | L  | mm | 4300 | 5140 | 5630 | 5920 | 6200 | 6800 | 7500    |
|                           | W  | mm | 1900 | 2500 | 2700 | 2700 | 2960 | 3400 | 3400    |
|                           | H  | mm | 2900 | 3100 | 3300 | 3430 | 3580 | 3600 | 3700    |
| Mainbody transport weight | /  | t  | 13.6 | 18   | 23   | 25.3 | 31   | 34   | 39      |
| Outlet pipe diameter      | DN | mm | 80   | 100  | 125  | 125  | 150  | 200  | 200     |
| Return pipe diameter      | DN | mm | 80   | 100  | 125  | 125  | 150  | 200  | 200     |
| Safety Valve Diameter     | DN | mm | 1×32 | 1×50 | 2×40 | 2×40 | 2×50 | 2×50 | 2×50/80 |
| Drainage Valve 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     |

Note: Due to the continuous updating of products, the company reserves the right to modify the data in the above two tables.

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