



## Incineration Coal Fired Central Heating , Coal Steam Boiler Anti Coking Quick Heating

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

- Thermal Power: 0.7-7MW
- Outlet Water Pressure: 1.0/1.25MPa
- Outlet Water Temperature: 95/115
- Efficiency: 83%
- Fuel: Coal
- Water Volumn: 5.1-20.5m<sup>3</sup>
- Weight: Depends
- Color: Customization
- 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 a kind of horizontal three-pass water tube and fire tube boiler, layout a bunch of thread fire tube. Design water cooling wall at left and right side of furnace. Use light movable fire grate, equip with blower and draft fan for mechanical ventilation. Fuel fall down to fire grate, after fully burning in furnace, the flame go by flue gas passage of central furnace wall enter inner boiler host, and turn back to front smokebox by both side of re-burning chamber, then from front smokebox go back to tubes in boiler, and from back smokebox to economizer, deduster, suction by draft fan to flue and chimney, finally exhaust to atmosphere.

### Product Features

#### 1. Easy installation:

Boilers are generally installed out of the factory quickly, which is convenient for transportation and field installation. It greatly shortens the construction cycle and saves installation costs, which can enable the boiler to be put into production in time.

#### 2. Running reliably:

Boiler heating surface is reasonable. The water circulation is smooth that ensure the heating surface can be cooled in time, and then ensuring the safety operation of the boiler effectively

#### 3. Easy Maintenance and Maintenance:

The boiler drum is equipped with manholes, which can be inspected and repaired. The smoke box in front of the boiler is easy to open so that the person can check it conveniently and clearly, which provides a good condition for the correct treatment.

#### 4. Full combustion:

With 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 is matched with biomass fuel, which avoids air leakage, fuel leakage and uneven ventilation. It is easy to operate and has obvious advantages compared with ordinary grate.

#### 6. Easy to clean ash:

The installation of multiple ash clearing holes on the boiler can clear the ash effectively in time. It avoid the operation obstacles and the decrease of thermal efficiency caused by the ash accumulation of the boiler and ensure 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 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
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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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