

## Manual Type Husk Briquettes and Fabric waste Fired 2 Ton Steam Boiler

DZH2-1.25-SCII

Date: 23-7-2025

Validity: 30 days



**China Grade A Industrial Boiler Manufacturer Since 1956**

**50+ Boiler Installations in Bangladesh**

**SUBMITTED TO**

**Debonair Group**



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### Quotation List

Manual Type Husk Briquettes and Fabric waste Fired 2 Ton Steam Boiler						
SN	Item	Unit	Qty	Specification		Picture
I	<b>Boiler body with ladder</b>	Set	1	2 Ton/hr 1/25Mpa pressure Fire tube and water tube boiler With big door <b>China GB Standard.</b>		
II	<b>Boiler accessories</b>					
1	Forced draft fan with motor Fan pipe	Set	1	3Kw Q=5268m <sup>3</sup> /h P=1578Pa		
		Piece	1			
2	Induced-draft fan with motor	Set	1	22 kw , Q=13634m <sup>3</sup> /h P=2895Pa		
3	Electrical cabinet	Set	1	Control the fan, pump. Water level, pressure detection		
4	Valves& meters	Set	1	Top brand Gaoshan		
①	Water level gauge	Piece	2		L=350	
②	Water level sensor	Piece	1		L=350	
③	Safety valve	Piece	2		DN40	
④	Pressure gauge	Piece	2		0-2.5MPa	

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⑤	Electric pressure gauge	Piece	1		0-2.5Mpa	
⑥	Three way cock	Piece	2		M20×1.5 1/2"	
⑦	Pressure gauge pipe	Piece	2			
⑧	Stop valve	Piece	1		DN80 Main Steam outlet	
⑨	Stop valve	Piece	1		DN32 Water feeding/assistant steam outlet	
⑩	Stop valve	Piece	1		DN40	
⑪	Stop valve	Piece	4		DN25	
⑫	Check valve	Piece	1		DN50(2")	
(13)	Blow down valve	Piece	6		DN40(1 1/2")	
(14)	Thermal couple	Piece	1		0-1200°C M27×2	
6	Stainless steel pumps	Set	2	3Kw, Grundfoss Pump 3m <sup>3</sup> /hr H=162m stainless steel		
7	Multi-tube dust cleaner	Set	1	Q=6400m <sup>3</sup> /h		

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SN	Item	Unit	Qty	Specification	Picture
8	Economizer	Set	1	Φ50×1000×18 50 m <sup>2</sup>	
9	Water softener	Set	1	Φ400×1650×1 America Fleck brand Include 120kg resin Remove ca+, mg+ Raw water hardness<8mmol/L, Soften water hardness<0.03mmol	
10	Water scrubber	Set	1	Include <b>2 set submerged pump.</b> made by granite and steel, high cleaning efficiency	
11	Air Pre Heater	Set	1	To pre heat the air	
12	Smoke duct	Piece	10	For chimney & boiler connection	
13	Steam Header	Set	1	Diameter 273x1350 Three outlets, one inlet	
14	Steel Chimney	Set	1	Diameter 360, length 16m	
15	Installation materials	Lot	1	fittings, valve for above boiler connection in boiler room	



## Technical data

DZH2-1.25-SCII Technical data	
Model	DZH2-1.25-SCII
Rated evaporation( t/h)	2
Maximum allowed working pressure( Mpa)	1.25=12.5 Bar
Water capacity (m3)	6.1
Boiler radiation heating surface( m <sup>2</sup> )	6.34
Boiler convection heating surface( m <sup>2</sup> )	46.7
Economizer heating surface( m <sup>2</sup> )	26.4
Rated steam temp(°C )	194
active grate area( m <sup>2</sup> )	2.55
Applicable fuel	Solid fuel
flue gas temperature(°C )	145
Designed thermal efficiency (%)	83-84
Biomass briquets consumption (Kg/h )	300-320
Boiler body Weight(ton)	15
Boiler body dimension ( L x W x H)	4880*2350*3177mm
Style	Horizontal package boiler

Delivery Time: 45 days after receiving the deposit
Payment terms: 30% T/T as deposit, 70% T/T before shipment /100% LC at Sight
Shipping container: 20'flat rack+ 40'GP
HS Code: 8402190000



**HENAN YUANDA BOILER CORPORATION LTD**

4th Industrial Road) Ganxiao Rd., Western Industrial District, Xihua County,  
Zhoukou, Henan, China

**Commercial Schedule**

	<b>Items</b>	<b>Qty</b>	<b>Price USD</b>
1	Biomass/Multi fuel fired 2 Ton Fix Grate Steam Boiler -3 Pass Fire Tube & Water Tube Steam Boiler with above scopes (FOB Qingdao China)with below standard accessories		
2	Three pass Fire tube and water tube structure Package boiler	1 Nos	
3	Forced draft fan Fan VFD (3KW)	1 Set	
4	Induced-draft fan VFD (22KW)	1 Set	
5	Electrical cabinet (Control Panel)	1 Set	
6	Valves & Fittings (Safety Valve,Blowdown Valve,Stop Valve, Water Gauge/Sensor,Pressure gauge,Check valve etc.)	1 Lot	
7	Feed pumps (Grundfoss)	2 Set	
8	Dust Collector (Ceramic Cyclone)	1 Set	
9	Pressurised (Economiser)	1 Set	
10	Water softener	1 Set	
11	Water scrubber (Granite inside ,anti-corrosion)	1 Set	
12	Air Pre Heater	1 Set	
13	Smoke duct	10 Pc	
14	Steam Flow Meter	1 Set	
15	Installation materials	1 Lot	
16	Steam Header	1 Set	
17	Chimney 16m	1 Set	
	Total FOB Qingdao China		
	Freight is indicative up to Chattogram (Indicative and will be at actual)		

## Internal Boiler drum, it is 3 pass fire tube mixed with water tube



This is boiler inside structure and furnace inside construction

This boiler is manual type solid fuel feeding, but automatic control system of ID fan and FD fan, water pump, and steam pressure, water level.

Boiler can burn biomass pellet , wood log, firewood, wood waste and other solid fuel, efficiency can arrive 80%

This wood boiler seldom have problem when running, its working life more than 20 years, we have wood boiler sold in 1992 still under working now.



## Service & Warranty

### After-sale service

Engineer is available to supply oversea installation guidance and commissioning the buyer Bear the round-trip air tickets, hotel, food, salary 150USD/day.

### Warranty

15 months for boiler proper and 10 months for boiler accessories dated from boiler ship on board. During warranty time any quality problem under normal use will be covered by seller expenses.

### Quality Inspection Before Delivery

- 1 100% NDT (non-destructive inspection) report of steel plate tube and welding rod;
- 2 100% X-ray inspection report (welding seam): make sure welding totally qualified.
- 3 Hydraulic test: Make sure strength and tightness of pressure parts
- 4 Third-party inspection report: By China Henan Boiler Inspection Institute

### Manufacture Standard

1. Boiler Design, Manufacture, Installation and Inspection Should be accordance with regulations as below:  
TSG G0001-2012 《Boiler Safety Technical & Supervisory Regulations》  
TSGG0002-2010 《Boiler Economic Technical& Supervisory Regulations》 .  
GB/T16508.1~16508.8-2013 《Shell Boiler》 ,  
NB/T47034-2013 《Industrial Boilers Technical Regulations》 ,  
GB50273-2009 《Boiler Installation Construction & Inspection Regulations》
2. Boiler Water Quality should follow GB/T1576-2008 《Industrial Boiler Water Quality》
3. Boiler Smoke emission should Follow GB 13271-2014 《Boiler Air Pollutants Emission Standard 》
4. Hydraulic Test Should follow TSG G0001-201 《Boiler Safety Technical & Supervisory Regulations》
5. Paint&Packaging Should follow JB/T1615-199 《Technical Conditions For Boiler Paint& Packaging》

Product advantages

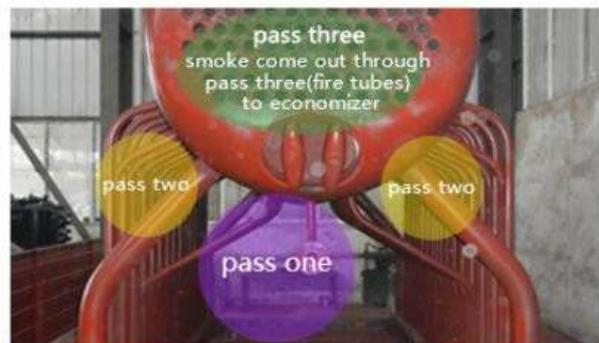


**01 Spirally corrugated fire tubes**

Strengthen heat transfer, avoid dust deposition and improve boiler efficiency.

**02 Wing shape flue and three pass structure**

Reduce smoke temperature, prevent tube plate cracking, reduce heat load of boiler bottom and prevent bulge.



**03 Convex tube plate**

Improve flexibility to reduce seam heat press for pipe end

**04 Durable hand movable fire grate**

Not easy broken, longer use life more than 25 years  
 Can be applied to multiple fuels, such as coal, wood logs, fire wood and other solid fuel



**05 New design & larger volume furnace**

Enhance burning efficiency, also achieve lower requirements to fuel

Typical projects



1 ton firewood boiler in Kenya



2 sets 2 ton coal boiler in Uganda



4 ton coal boiler in Columbia



We have exported our boilers to 86 countries and regions, have more than 20,000 projects in grain&oil, chemical, paper making, textile printing and dyeing and other industries.

About Yuanda Boiler

Yuanda Boiler Factory: established in 1956 with mature technology and experience in boiler industry.

We focus on

DZL DZH Series solid fuel fired boiler (1 ton-20 ton/hr)

SZL Series biomass fired boiler (2 ton-25 ton/hr)

WNS Series oil/gas fired boiler (0.5ton-20 ton/hr)

0.35-14Mw Hot water boiler, Thermal oil boiler

We have export more than 132 countries, in south-east Asia, Asia, Africa, South America, Middle East, Russia, etc.

We Yuanda Boiler have over 60years Experienced Engineer Team + 5000ton/year Production Ability



