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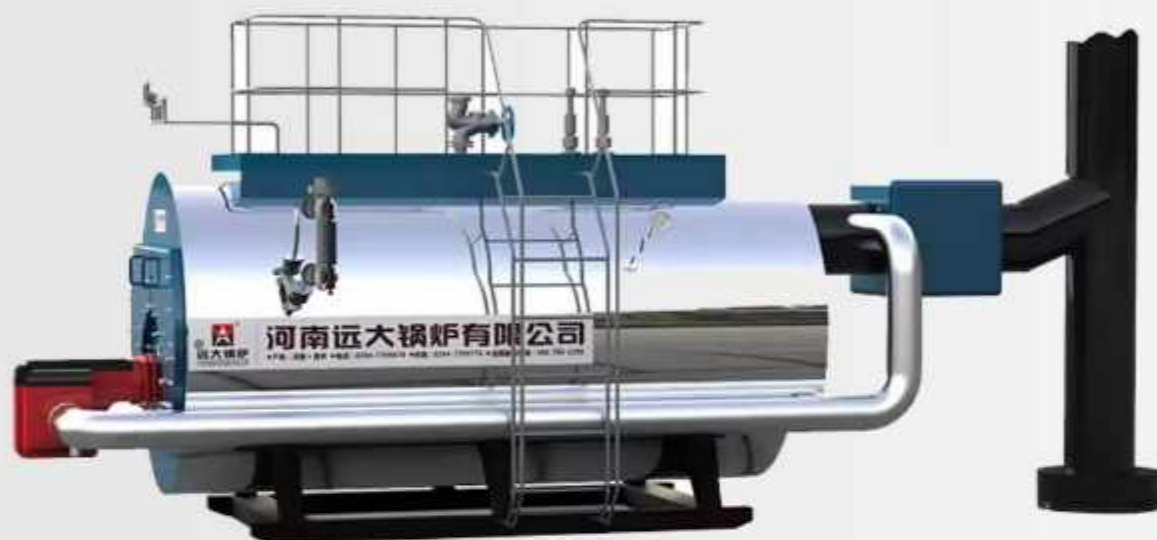
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ULTRA LOW NITROGEN TECHNOLOGY



Boiler Factory NOx combustion technology mainly focuses on reducing combustion temperature and reducing thermal NOx generation. The main technologies include staged combustion, premixed combustion, flue gas recirculation, porous medium catalytic combustion and flameless combustion. Yuanda Boiler ultra-low-nitrogen gas fuel boiler adopts the classic central symmetrical wet-back structure, which matches the design of large corrugated furnace. recycling a part of exhaust smoke back into the burner to complete secondary combustion along with a lower furnace temperature. Effectively reduce the combustion zone temperature and oxygen concentration, reduce the formation of thermal NOx. Yuanda ultra-low nitrogen boiler emission standard: NOx30mg/m3.

Fuel Staging: This technique involves controlling the combustion by introducing fuel in stages to reduce peak flame temperatures.

Combustion Air Staging: Similar to fuel staging, this method manages air supply in distinct zones to maintain a lower overall flame temperature.

Flue Gas Internal Recycle: This process recirculates a portion of the combustion products back into the burner zone to dilute the fuel-air mixture, lowering flame temperature and reducing emissions.

Flue Gas Extrinsic Cycle: This method involves utilizing external systems to treat or manage the exhaust gases outside the primary burner

WNS SERIES OIL GAS FIRED BOILER



Ultra-low NOx emission, improve air directive, create a better environment
High efficiency recovery flue gas preheating, saving gas consumption,
energy saving. environmental protection.

Innovation: Represented by a lightbulb icon, highlighting creative solutions.

Intelligent: Featuring a human head silhouette to symbolize smart technology or AI integration.

Low NOx: Indicated by a leaf icon, emphasizing environmental sustainability and reduced emissions.

Security: Shown with a shield icon to signify data protection or physical safety measures.

Efficiency: Depicted by a rocket icon, representing high performance and fast processing.

WNS SERIES OIL GAS FIRED BOILER

PRODUCT INTRODUCTION

WNS series oil/gas fired boiler adopts horizontal three-pass wet-back structure, large corrugated furnace and patented thread pipe technology, equipped with international first-level brand burners and valve groups, and in-dependently developed high-matching PLC control system to realize multiple linkages. The lock protection function protects the equipment running safely.

CORE TECHNOLOGY

Nitrogen Oxide Emissions: The equipment is designed to keep nitrogen oxide emissions below $1(30\text{mg}/\text{m}^3)$.

Control System: The machinery utilizes a PLC (Programmable Logic Controller) control system for operation.

Flame-out Protection: This safety mechanism automatically shuts off the gas supply if the burner flame is accidentally extinguished, preventing gas leaks. Power Failure

Protection: This feature locks the system during a power outage to prevent unsafe operations when power is restored.

Water Level Protection: This function monitors the water levels to ensure the device operates only under safe conditions, such as preventing a water heater from running dry

WNS SERIES STEAM/HOT WATER BOILER TECHNOLOGY PARAMETER TABLE

参数项目 Parameters	锅炉型号 Boiler model	WNS0.5	WNS1	WNS2	WNS3	WNS4	WNS6	WNS8	WNS10	WNS15	WNS20
额定蒸发量 Rated steam capacity	T/h	0.5	1	2	3	4	6	8	10	15	20
额定蒸汽压力 Rated steam pressure	Mpa	1.0/1.25/1.6/2.5									
额定蒸汽温度 Rated steam temperature	°C	184/194/204/226									
给水温度 Feed water temperature	°C	20/104									
锅炉热效率 Thermal efficiency	%	> 98									
氮氧化物排放 Nox emission	mg/m ³	120/80/30									
排烟温度 Exhaust gas temperature	°C	< 60									
适用燃料 Fuel Type		轻柴油/重油/天然气/液化气/城市煤气 Light diesel oil/Heavy oil/Natural gas/Liquefied gas/City gas									
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil Kg/h	32.5	64.6	129.3	192.9	258.2	388.6	514.6	641.7	960.1	1276.2
	天然气 Natural gas Nm ³ /h	35.7	70.1	140.3	212.1	283.4	424.2	566.3	707.8	1061.7	1415.8
最大件运输尺寸 Max transportation size	mm	3000×1500 ×1810	3450×1930 ×2370	3930×2380 ×2701	4124×2332 ×2757	4680×2435 ×2870	6455×2435 ×2865	6519×2736 ×3139	7000×3110 ×3745	7550×3336 ×3575	8200×3650 ×4100
最大件运输重量 Max transportation weight	t	3.5	5.5	8.0	10.7	11.6	17.5	22.5	26.8	35.2	45.5

参数项目 Parameters	锅炉型号 Boiler model	WNS0.35	WNS0.7	WNS1.4	WNS2.1	WNS2.8	WNS4.2	WNS5.6	WNS7.0	WNS10.5	WNS14
额定热功率 Rated thermal power	MW	0.35	0.7	1.4	2.1	2.8	4.2	5.6	7.0	10.5	14.0
额定工作压力 Rated working pressure	Mpa	0.7/1.0/1.25/1.6									
额定出水温度 Rated output water temperature	°C	95/115/130									
额定回水温度 Rated return water temperature	°C	70									
锅炉热效率 Thermal efficiency	%	> 97									
氮氧化物排放 Nox emission	mg/m ³	120/80/30									
排烟温度 Exhaust gas temperature	°C	< 60									
适用燃料 Fuel Type		轻柴油/重油/天然气/液化气/城市煤气 Light diesel oil/Heavy oil/Natural gas/Liquefied gas/City gas									
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil Kg/h	31.6	60.4	122.8	192.3	246.1	367.1	490.2	593.6	936.5	1200.8
	天然气 Natural gas Nm ³ /h	36.6	69.3	146.1	227.1	286.5	412.6	543.7	660.7	998.8	1330.7
最大件运输尺寸 Max transportation size	mm	2860×1230 ×1653	3200×1420 ×1810	4350×1750 ×2250	4200×1926 ×2430	4450×2130 ×2594	5850×2540 ×2950	6250×2934 ×3380	7120×2632 ×3129	7270×3136 ×3520	8030×3436 ×3898
最大件运输重量 Max transportation weight	t	2.65	4.66	6.53	7.3	8.1	15.1	18.2	25.6	29.1	47.8

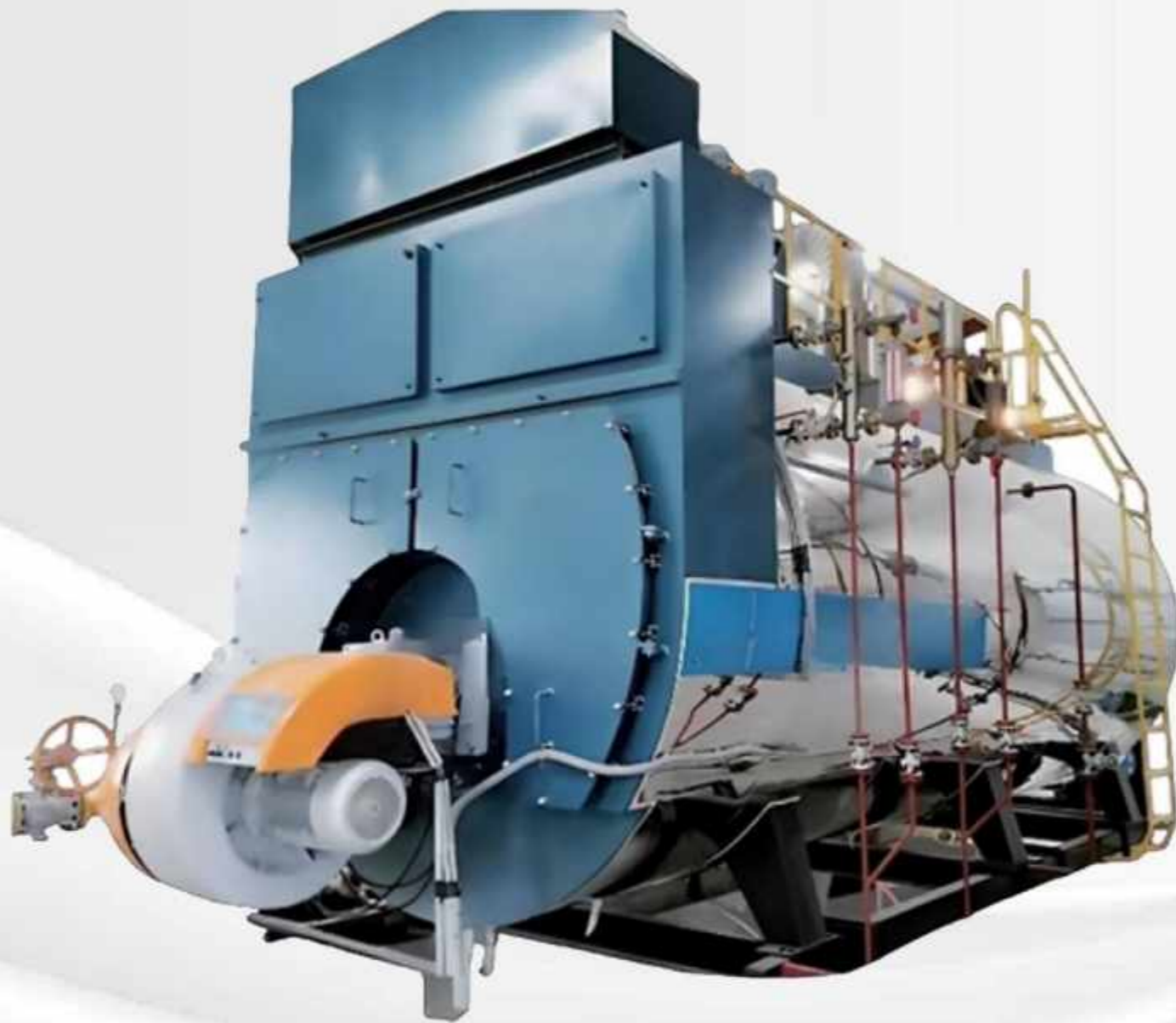
Notice:

1. Fuel heat value: Heavy oil 10000kcal/kg, Light diesel oil 10240kcal/kg, Natural gas 9140kcal/Nm³, Liquefied gas 24000kcal/Nm³, City gas 3800kcal/Nm³; When fuel value and chemical composition change, some parameters will change in the table accordingly.

2. We can provide special solutions according to the voltage/NOx emission/smoke emission temperature/Boiler pressure/output temperature requirements of different countries and areas.

3. Due to continuous technological innovation and improvement, technical parameters are subject to change without prior notice.

WNS SERIES INTEGRATED CONDENSING BOILER



PRODUCT INTRODUCTION

WNS series integrated condensing boiler adopts integrated design of boiler proper, economizer and condenser. The heat energy cascade is utilized, the exhaust gas temperature is extremely low, and the thermal efficiency is up to 99%. The built-in steel-aluminum composite fin tube of the condenser and economizer are arranged in a counter current flow to enhance heat transfer. Compared with the common furnace type, in the process of condensation of flue gas and steam in this series of boilers, harmful substances such as NOx in the flue gas are discharged along with the condensed water to achieve energy saving and emission reduction.

CORE TECHNOLOGY

Nitrogen Oxide Emissions: The equipment is designed to keep nitrogen oxide emissions below 30mg/m^3 .

Large Corrugated Furnace Design: This type of furnace design is used in boilers to improve thermal efficiency and structural integrity.

PLC Control System: A Programmable Logic Controller (PLC) is used to automate and monitor the operation of the boiler. Safety Interlock

Protection Function: This function ensures the boiler shuts down or operates safely if abnormal conditions are detected, enhancing operational safety

Fault Identification: The system likely includes automatic monitoring to detect issues immediately.

Data Functions: It collects, analyzes, and stores operational data for performance tracking.

Remote IoT Monitoring: The equipment can be monitored and managed from a distance using internet-connected technologies.

Safety Features: A specialized spring-type explosion-proof door is included for enhanced safety and protection.

WNS SERIES GAS CONDENSING STEAM/HOT WATER BOILER TECHNOLOGY PARAMETER TABLE

SZS SERIES OIL /GAS FIRED BOILER

参数项目 Parameters	锅炉型号 Boiler model	WNS1	WNS2	WNS4	WNS6	WNS8	WNS10	WNS15	WNS20	
额定蒸发量 Rated steam capacity	T/h	1	2	4	6	8	10	15	20	
额定蒸汽压力 Rated steam pressure	Mpa	1.0/1.25/1.6/2.5								
额定蒸汽温度 Rated steam temperature	°C	184/194/204/226								
给水温度 Feed water temperature	°C	20/104								
锅炉热效率 Thermal efficiency	%	> 99								
适用燃料 Fuel Type		轻柴油/重油/天然气/液化气/城市煤气 Light diesel oil/Heavy oil/Natural gas/Liquefied gas/City gas								
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil	Kg/h	63.7	125.8	252.6	383.6	512.8	643.3	965.5	1286.1
	天然气 Natural gas	Nm ³ /h	65.3	132.8	264.1	400.8	533.1	663.3	1012.8	1344.0
最大件运输尺寸 Max transportation size	mm	3085×2045×2665	4350×2210×3277	5350×2790×3790	6610×2980×2970	6600×2740×4461	7480×2850×3400	7550×3340×3575	8200×3650×4100	
最大件运输重量 Max transportation weight	t	5.3	9.8	13.9	17.2	25.3	26.7	37.5	48.5	

参数项目 Parameters	锅炉型号 Boiler model	WNS0.7	WNS1.4	WNS2.8	WNS4.2	WNS5.6	WNS7	WNS10.5	WNS14	
额定热功率 Rated thermal power	T/h	0.7	1.4	2.8	4.2	5.6	7	10.5	14	
额定工作压力 Rated working pressure	Mpa	0.7/1.0/1.25/1.6								
额定出水温度 Rated output water temperature	°C	95/115/135								
额定回水温度 Rated return water temperature	°C	70								
锅炉热效率 Thermal efficiency	%	> 98								
适用燃料 Fuel Type		重油/轻柴油/天然气/液化气/城市煤气 Heavy oil/Light diesel oil/Natural gas/City gas								
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil	Kg/h	61.2	122.3	247.2	366.5	493.6	607.1	957.4	1217.9
	天然气 Natural gas	Nm ³ /h	64.8	129.4	258.6	389.8	518.4	677.4	1035.7	1386.6
最大件运输尺寸 Max transportation size	mm	3085×2045×2665	4350×2210×3277	4900×2300×3710	5660×3100×4000	6519×2875×3139	7133×2910×3210	7365×3200×3508	7825×3620×3960	
最大件运输重量 Max transportation weight	t	4.1	8.6	11.9	14.6	20.9	22.3	31.9	42.3	

Notice:
1. Fuel heat value: Heavy oil 10000kcal/kg. Light diesel oil 10240kcal/kg. Natural gas 9140kcal/Nm³, Liquefied gas 24000kcal/Nm³, City gas 3800kcal/Nm³. When fuel value and chemical composition change, some parameters will change in the table accordingly.
2. We can provide special solutions according to the voltage/NOx emission/smoke emission temperature/Boiler pressure/output temperature requirements of different countries and areas.
3. Due to continuous technological innovation and improvement, technical parameters are subject to change without prior notice.



Ultra-low Nox emission improve air quality.create a better environment high efficiency recovery flue gas preheating,saving gas consumption energy saving and environmental protection.

Membrane Tube Wall: Often used in industrial boilers and water filtration to improve heat transfer efficiency and manage water purity.

Safe Water Circulation: Highlights systems designed to maintain water flow safely, preventing contamination or blockages in filtration or heating circuits.

Wide applicable fuel: This indicates the system is compatible with various types of fuels.

Low Nox: This signifies the equipment is designed to produce low emissions of nitrogen oxides, promoting environmental protection.

SZS SERIES OIL GAS FIRED BOILER

PRODUCT INTRODUCTION

SZS series oil gas fired water tube boiler adopts double-drum "D-type" vertical arrangement, full-membrane wall structure, reasonable and compact layout, can realize large-capacity boiler overall quick installation, less investment in boiler house infrastructure and short installation period.

CORE TECHNOLOGY

Low Emissions: The equipment features ultra-low nitrogen oxide (NOx) emissions, specifically restricted to less than 1(30mg/m³).

Membrane Wall Structure: It utilizes a full water membrane wall structure, which is a common design feature for efficient heat transfer in boilers.

Water Circulation: The system includes a compound water circulation structure to optimize thermal performance.

Waste Heat Recovery: The system utilizes a "cascade utilization" method to capture heat from flue gases. This process typically involves heat exchangers, such as economizers, to preheat boiler feedwater.

Safety Mechanisms: The equipment is equipped with "spring-type explosion-proof doors" to manage pressure safely.

Insulation: "Aluminum silicate" is used for the insulation layer, which is essential for maintaining high temperatures and preventing energy loss.

SZS SERIES OIL /GAS FIRED BOILER TECHNOLOGY PARAMETER TABLE

参数项目 Parameters	锅炉型号 Boiler model	SZS10	SZS15	SZS20	SZS25	SZS30	SZS40	
额定蒸发量 Rated steam capacity	T/h	10	15	20	25	30	40	
额定蒸汽压力 Rated steam pressure	Mpa	1.25/1.6/2.5						
额定蒸汽温度 Rated steam temperature	°C	194/204/226						
给水温度 Feed water temperature	°C	20/104						
锅炉热效率 Thermal efficiency	%	> 98						
适用燃料 Fuel Type		轻柴油/重油/天然气/液化气/城市煤气 Light diesel oil/Heavy oil/Natural gas/Liquefied gas/City gas						
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil	Kg/h	618	927	1256	1545	1856	2470
	天然气 Natural gas	Nm ³ /h	660	987	1316	1660	1981	2630
最大件运输尺寸 Max transportation size	mm	6900×3660 ×3680	9350×3355 ×3846	9280×3600 ×3618	10500×4120 ×4150	13000×4200 ×4150	12330×4400 ×4530	
最大件运输重量 Max transportation weight	t	23.3	36.6	42.5	52.3	56.0	77.4	

参数项目 Parameters	锅炉型号 Boiler model	SZS10.5	SZS14	SZS17.5	SZS21	SZS29	SZS58	
额定热功率 Rated thermal power	MW	10.5	14	17.5	21	29	58	
额定工作压力 Rated working pressure	Mpa	1.0/1.25/1.6						
额定出水温度 Rated output water temperature	°C	95/115/130						
额定回水温度 Rated return water temperature	°C	70						
锅炉热效率 Thermal efficiency	%	> 97						
适用燃料 Fuel Type		轻柴油/重油/天然气/液化气/城市煤气 Light diesel oil/Heavy oil/Natural gas/Liquefied gas/City gas						
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil	Kg/h	912	1216	1520	1824	2432	4865
	天然气 Natural gas	Nm ³ /h	975	1300	1625	1950	2600	5200
最大件运输尺寸 Max transportation size	mm	8520×3560 ×3670	8750×3870 ×3920	9430×3910 ×4020	10100×4100 ×4130	10900×4230 ×4220	15100×4520 ×4220	
最大件运输重量 Max transportation weight	t	30.8	40.9	51.3	52.6	69.5	162	

Notice:

1. Fuel heat value: Heavy oil 10000kcal/kg. Light diesel oil 10240kcal/kg. Natural gas 9140kcal/Nm, Liquefied gas 24000kcal/Nm³, City gas 3800kcal/Nm. When fuel value and chemical composition change, some parameters will change in the table accordingly.
2. We can provide special solutions according to the voltage/NOx emission/smoke emission temperature/Boiler pressure/output temperature requirements of different countries and areas.
3. Due to continuous technological innovation and improvement, technical parameters are subject to change without prior notice.

Z-WNS SERIES VACUUM BOILER

Z-WNS SERIES VACUUM BOILER TECHNOLOGY PARAMETER TABLE



PRODUCT INTRODUCTION

Z-WNS series vacuum boiler adopts the SU304 stainless steel heat exchanger, high heat transfer coefficient of flue gas, compact structure, high efficiency and energy saving, ultra low NOx emission and small volume. The vacuum boiler operates under negative pressure and has multiple protection functions. It is safe and reliable and never explodes. It has exquisite appearance, convenient installation, convenient maintenance and no need for supervision.

CORE TECHNOLOGY

Environmental Protection: The system features ultra-low nitrogen emissions, with NOx levels recorded at less than $(30\text{mg}/\text{m}^3)$.

Safety Monitoring: It includes protections for low water levels and over-temperature situations to ensure safe operation.

Operational Control: The equipment is designed to detect and control operation under negative pressure conditions.

User Interface: Features a "one-click" start/stop function and an automatic self-lock mechanism when power is turned off.

参数项目 Parameters 锅炉型号 Boiler model	额定热功率 Rated thermal power (mw) ×10 ⁴ Kcal/h		进/出水温度 Feeding/output water temperature (°C)		换热器压降 Heat exchange pressure drop (kPa)		锅炉热效率 Thermal efficiency (%)	适用燃料 Fuel Type	燃料消耗量 Fuel consumption		最大件运输尺寸 Max transportation size (mm)	最大件运输重量 Max transportation weight (t)
	供热工况I Heat supply condition I	供热工况II Heat supply condition II	供热工况I Heat supply condition I	供热工况II Heat supply condition II	天然气 Natural gas	轻柴油 Light diesel oil						
Z-WNS0.35	0.35	30			13.5	28.0			36.2	32.5	2020×1100×1580	2.0
Z-WNS0.7	0.7	60			15.6	32.0			72.7	65.0	2820×1240×1930	2.64
Z-WNS1.05	1.05	90	60/50	60/60	15.6	32.0	普通型 > 92% 冷凝型 > 98%	天然气 轻油	108.9	96.9	2880×1590×2310	4.30
Z-WNS1.4	1.4	120	适用于 地暖	适用于 暖气片	18.2	36.0			144.8	125.9	3100×1460×2213	3.85
Z-WNS2.1	2.1	180	中央空调 卫生热水	采暖 系统	19.5	38.0			189.0	226.0	3900×1720×2570	5.38
Z-WNS2.8	2.8	240	适用于 地板采暖	适用于 散热器采暖系统	21.0	40.0	Normal type > 92% Condensing type > 98%	Natural gas Light Oil	290.8	258.6	4050×1870×2630	8.0
Z-WNS3.5	3.5	300	适用于 中央空调 卫生热水	适用于 中央空气 conditioning sanitary hot water system	22.0	42.0			363.6	326.8	4265×2140×2995	10.3
Z-WNS4.2	4.2	360			22.9	46.0			436.2	388.3	4450×2200×3020	11.1
Z-WNS5.6	5.6	380			23.6	48.0			581.0	513.7	5390×2270×3200	14.2
Z-WNS7.0	7.0	600			25.0	50.0			720.2	639.8	5960×2340×3350	15.6

注: 1. 燃料热值: 重油10000kcal/kg, 轻柴油10240kcal/kg, 天然气9140kcal/Nm³, 液化气24000kcal/Nm³, 城市煤气3800kcal/Nm³; 当燃料热值及化学成分发生变化时表中部分参数会发生相应变化

2. 可根据不同国家或地区的电压/NOx排放/排烟温度/锅炉压力/出水温度要求, 提供专门方案;

3. 由于技术不断创新改进, 技术参数如有变动, 恕不另行通知。

Notice: 1. Fuel heat value: Heavy oil 10000kcal/kg, Light diesel oil 10240kcal/kg, Natural gas 9140kcal/Nm³, Liquefied gas 24000kcal/Nm³, City gas 3800kcal/Nm³

When fuel value and chemical composition change, some parameters will change in the table accordingly.

2. We can provide special solutions according to the voltage/NOx emission/smoke emission temperature/Boiler pressure/output temperature requirements of different countries and areas.

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热媒水温度控制装置
Thermal media water temperature control device



配置多路换热器
Equipped with multiple heat exchangers



YY(Q) W SERIES THERMAL OIL BOILER



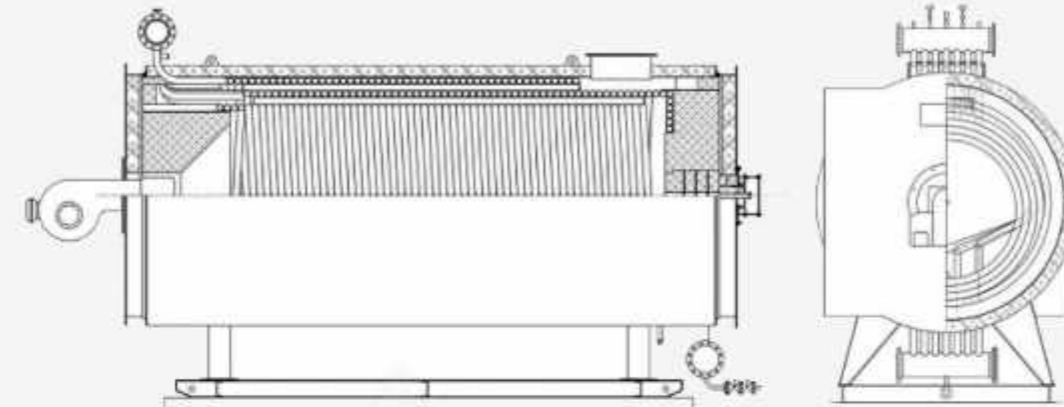
PRODUCT INTRODUCTION

YY(Q)W series thermal oil boiler adopts horizontal chamber combustion three-coil structure, and its body is composed of outer coil, middle coil, inner coil and rear coil. USES: oil chemical industry/chemical fiber industry/wood processing/paper making/building materials/food industry, etc.

CORE TECHNOLOGY

-  油包火三回程
Oil cover fire structure with three pass
-  超油温/超烟温/低流量报警
Over oil temperature/over smoke temperature/low flow alarm
-  湿背式结构
Wet back structure
-  设置空气预热器或余热锅炉
Design with air preheater or heat recovery boiler
-  密排圆盘管
Compact coil tube
-  前后大开门设计
Front and rear big open door design

STRUCTURE DRAWING OF THERMAL BOILER



YY(Q) W SERIES THERMAL OIL BOILER TECHNOLOGY PARAMETER TABLE

参数项目 Parameters	锅炉型号 Boiler model	YY(Q)W-700Y(Q)	YY(Q)W-1400Y(Q)	YY(Q)W-3000Y(Q)	YY(Q)W-3500Y(Q)	YY(Q)W-4200Y(Q)	YY(Q)W-5600Y(Q)	YY(Q)W-7000Y(Q)
额定热功率 Rated thermal power	KW	700	1400	3000	3500	4200	5600	7000
额定工作压力 Rated working pressure	Mpa	0.8/1.0						
热载体出/进口温度 Thermaloil outlet/ inlet feeding temperature	°C	280/250; 320/290						
锅炉热效率 Thermal efficiency	%	> 96						
适用燃料 Fuel Type		天然气、轻柴油 Natural gas/Light diesel oil						
燃料消耗量 Fuel consumption	轻柴油 Light diesel oil Kg/h	61.3	122.6	249.2	305.6	367.5	489.6	612.3
	天然气 Natural gas Nm³/h	73.6	147.1	296.4	366.8	436.6	586.8	726.9
最大件运输尺寸 Max transportation size	mm	3200×1300×2050	3710×1524×2150	5600×2400×3170	5900×2382×3560	6630×3200×3050	7200×3550×3920	8090×3675×4000
最大件运输重量 Max transportation weight	t	3.0	4.0	10	10.2	16.5	23.6	28

注：1、燃料热值：重油10000kcal/kg、轻柴油10240kcal/kg、天然气9140kcal/Nm³、液化气24000kcal/Nm³、城市煤气3800kcal/Nm³；当燃料热值及化学成分发生变化时表中部分参数会发生相应变化

2、由于技术不断创新改进，技术参数如有变动，恕不另行通知。

Notice:1、Fuel heat value:Heavy oil 10000kcal/kg, Light diesel oil 10240kcal/kg, Natural gas 9140kcal/Nm³, Liquefied gas 24000kcal/Nm³, City gas3800kcal/Nm³
When fuel value and chemical composition change,some parameters will change in the table accordingly.

2、Due to continuous technological innovation and improvement, technical parameters are subject to change without prior notice.

SZL SERIES D TYPE CHAIN GRATE BOILER

PRODUCT INTRODUCTION

SZL series products are double drum offset furnace structure ("D" type series), high technology, environmental and energy-saving, this products series Won the second prize of national science and technology progress award, Golden lion at Singapore new products expo. it is key-promoting products and energy-saving projects in China.

CORE TECHNOLOGY

Whirlwind Burning Chamber: Features a cyclone combustion structure for efficient fuel burning.

Fuel Adaptability: Designed with a large furnace capacity to accommodate various biomass fuels.

Water Wall Construction: Utilizes a membrane water wall structure for heat transfer.

Independent Wind Chamber: The design incorporates a separate structure to manage airflow.

Water-Cooled Arch: A front-rear arch design utilizes water cooling to enhance efficiency.

Insulation: The unit is insulated with aluminum silicate to maintain internal temperatures



SZL SERIES STEAM BOILER TECHNOLOGY PARAMETER TABLE

DZ SERIES STEAM/HOT WATER BOILER

参数项目 Parameters	锅炉型号 Boiler model	SZL2	SZL4	SZL6	SZL8	SZL10	SZL12	SZL15	SZL20	
额定蒸发量 Rated steam capacity	T/h	2	4	6	8	10	12	15	20	
额定蒸汽压力 Rated steam pressure	Mpa	1.25/1.6/2.5/3.82								
额定蒸汽温度 Rated steam temperature	℃	194/204/226/450								
给水温度 Feed water temperature	℃	20/104								
锅炉水容积 Boiler water volume	m ³	6.76	5.1	8.4	9.4	9.4	12.8	15.2	15.5	
锅炉热效率 Thermal efficiency	%	> 84								
排烟温度 Exhaust gas temperature	℃	< 130								
适用燃料 Fuel Type		二类烟煤, 生物质燃料 (木柴、稻壳、棕榈壳等) II level coal, biomass fuels (wood, rice husk, Palm kernel shell, and the other)								
燃料消耗量 Fuel consumption	煤 Coal	Kg/h	292	584	876	1168	1460	1752	2190	2920
	生物质 Biomass	Kg/h	336	672	1008	1344	1680	2016	2520	3360
最大件运输尺寸 Max transportation size	mm	5900×2850 ×3460	6460×3280 ×3462	7830×3560 ×3462	8870×3670 ×3462	8560×3400 ×3564	9258×3294 ×3524	11010×3300 ×2200	12460×3600 ×6790	
最大件运输重量 Max transportation weight	t	22	29	34	40.5	24	37	24.7	26	



Notice:

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2. Burning Fuel's Heat Value/Chemical Component Different, Parameter Different;
3. Since The Boiler Technology Is Keep Updating. If There Is Any Update In The Future, No Special Inform.

New DZL-VII type water-fire tube boiler is a new eco-friendly and energy-saving product co-developed by our company and Professor Li Zhiguang, a famous boiler expert, Professor of Harbin Institute of Technology and Director of Beijing Zhiguang Boiler Research Institute, with 30 years research and test, suitable for China and overseas markets. It is called as "Revolution of Industrial Boilers". This type boiler can burn many kinds. of fuels, specially furnace design for coal and biomass fuels.



螺纹烟管
Spirally corrugated fire tubes



惯性分离烟尘
Inertia gas-dust separation



新型炉拱, 倒“α”烟气流
New furnace arch with upside down "α" flue gas flow



翼型烟道
Wing-shape flue



筒式汽水分离装置
Steam-Water separating equipment



热水锅炉采用回水引射技术
Hot water boilers adopt the unique backwater ejection technology

DZH SERIES STEAM/HOT WATER BOILER

DZH SERIES STEAM/HOT WATER BOILER TECHNOLOGY PARAMETER TABLE



DZH series boilers are horizontal three-pass water-fire tube boilers, which are quick-installed and leave the factory with short installation period and low capital investment. This DZH series boilers have the advantages of strong fuel power consumption and long equipment life etc. JANDaptability, low mechanical failure rate, low

参数项目 Parameters	锅炉型号 Boiler model	DZH1-1.0-T	DZL1-1.0-T	DZH2-1.25-T	DZL2-1.25-T	DZH4-1.25-T	DZL4-1.25-T	DZH6-1.25-T	DZL6-1.25-T	DZL8-1.25-T	
额定蒸发量 Rated steam capacity	T/h	1	1	2	2	4	4	6	6	8	
额定蒸汽压力 Rated steam pressure	Mpa	1.0/1.25/1.6									
额定蒸汽温度 Rated steam temperature	℃	184/194/204									
给水温度 Feed water temperature	℃	20/104									
锅炉水容积 Boiler water volume	m ³	3.15	3.15	4.75	4.77	7.7	8.2	7.4	8.1	9.6	
锅炉热效率 Thermal efficiency	%	> 82									
排烟温度 Exhaust gas temperature	℃	127.25	113.34	126.41	106.34	137.25	124.49	146.83	137.29	141.06	
适用燃料 Fuel Type		二类烟煤, 生物质燃料 (木柴、稻壳、棕榈壳等) II level coal, biomass fuels (wood, rice husk, Palm kernel shell and the other)									
燃料消耗量 Fuel consumption	煤 Coal	Kg/h	151	146	302	292	604	584	906	876	1168
	生物质 Biomass	Kg/h	174	168	348	336	696	672	1044	1008	1344
最大件运输尺寸 Max transportation size	℃	< 130									
最大件运输尺寸 Max transportation size	mm	4320×1825 ×2685	5230×2000 ×3010	4950×2650 ×3177	5950×2500 ×3302	5650×2550 ×3434	6829×2620 ×3524	6930×3020 ×3664	8170×3020 ×3800	8130×3300 ×3950	
最大件运输重量 Max transportation weight	t	9.0	13.5	15.0	22.0	18.5	27.6	25	35.0	38.0	

参数项目 Parameters	锅炉型号 Boiler model	DZL0.7	DZL1.4	DZL2.8	DZL4.2	DZL5.6	DZL7.0	DZL10.5	DZL14	
额定热功率 Rated thermal power	MW	0.7	1.4	2.8	4.2	5.6	7.0	10.5	14	
额定工作压力 Rated working pressure	Mpa	0.7/1.0								
额定出水温度 Rated output water temperature	℃	95/115								
额定回水温度 Rated return water temperature	℃	70								
锅炉热效率 Thermal efficiency	%	> 82								
适用燃料 Fuel Type		二类烟煤, 生物质燃料 (木柴、稻壳、棕榈壳等) II level coal, biomass fuels (wood, rice husk, Palm kernel shell and the other)								
燃料消耗量 Fuel consumption	煤 Coal	Kg/h	151	302	596	880	1160	1380	2030	2700
	生物质 Biomass	Kg/h	168	336	672	1008	1344	1680	2520	3360
排烟温度 Exhaust gas temperature	℃	< 130								
最大件运输尺寸 Max transportation size	mm	5230×2000 ×2841	5750×2600 ×3186	7070×2800 ×3470	7300×3200 ×3884	7350×3500 ×3600	7746×3773 ×4214	8650×2300 ×2500	8900×3600 ×3670	
最大件运输重量 Max transportation weight	t	12.5	22.5	27	42	40.2	22	18.0	20.7	

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-  螺纹烟管
Spirally corrugated fire tubes
-  惯性分离烟尘
Inertia gas-dust separation
-  燃料适应性强
Wide biomass fuel adaptability
-  翼型烟道
Wing-shape flue
-  筐式汽水分离装置
Steam-Water separating equipment
-  热水锅炉采用回水引射技术
Hot water boilers adopt the unique backwater ejection technology


YLW SERIES COAL/ BIOMASS THERMAL OIL BOILER





PRODUCT INTRODUCTION


YLW series coal/biomass thermal oil boiler adopts square coil horizontal structure, chain grate automatic fuel feeding, FD/ID fan mechanical ventilation, slag remover for mechanical slag removing while running, the burning fuel enter into the chain grate through the fuel hopper, then burn, The high-temperature flue gas is reflected to the front of the furnace by the rear arch and enters the furnace chamber. After radiation heat transfer by the radiation heating surface, it enters the convection heating surface for convection heat transfer, then enter into waste heat recovery boiler/air pre-heater, dust catcher, ID fan finally discharged into air by chimney

CORE TECHNOLOGY


 多回路盘管设计
Multi-loop coil design

 设置空气预热器或余热锅炉
Set up air preheater, waste heat boiler

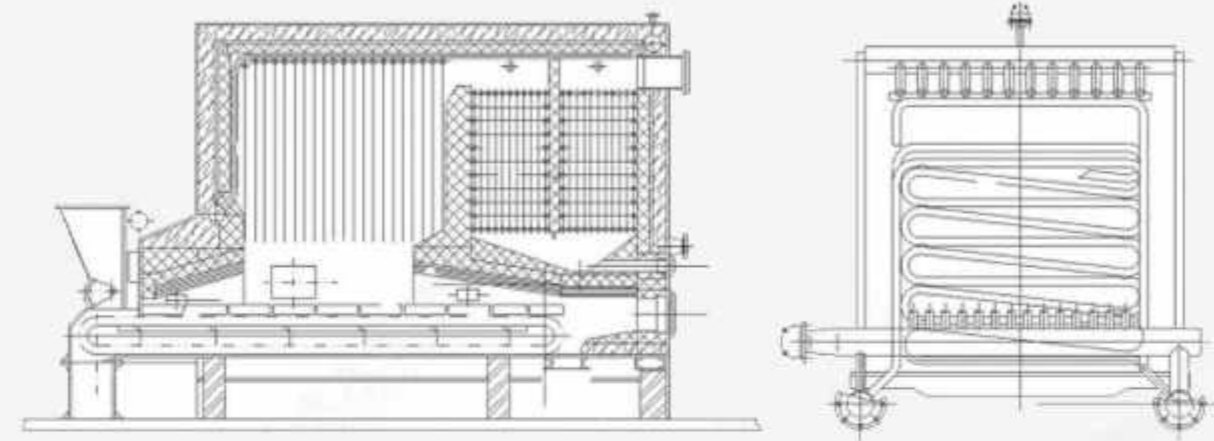
 逆流换热流程
Countercurrent heat transfer process

 新型炉拱, 倒“α”烟气流程
New furnace arch with upside down “α” flue gas flow

 超油温/超烟温/低流量报警
Over oil temperature/over smoke temperature/low flow alarm

 精进科学的布风技术
Advanced and scientific fabric technology

STARUCTURE DRAWING OF YLW SERIES COAL/ BIOMASS THERMAL OIL BOILER



参数项目 Parameters	锅炉型号 Boiler model	YLW-700	YLW-1400	YLW-2400	YLW-2900	YLW-4200	YLW-5600	YLW-7000	YLW-8400	YLW-10500	YLW-14000	
额定热功率 Rated thermal power	MW	0.7	1.4	2.4	2.9	4.2	5.6	7.0	8.4	10.5	14	
额定工作压力 Rated working pressure	Mpa	0.8/1.0										
热载体出口温度 Thermal oil outlet temperature	℃	280/320										
热载体进口温度 Thermal oil inlet temperature	℃	250/290										
热载体循环流量 Thermal oil circulation flow	m ³ /h	45.7	87.4	149.8	155	225	336	383.47	536.2	666.6	869.1	
热载体炉内介质容量 Thermal oil Volume	m ³	0.46	1.19	2.08	2.73	4.36	5.02	7.06	8.32	9.15	12.38	
锅炉热效率 Thermal efficiency	%	> 83										
适用燃料 Fuel Type		二类烟煤, 生物质燃料 (木柴、稻壳、棕榈壳等) B level coal, biomass fuels (wood, rice husk, Palm kernel shell, and the other)										
燃料消耗量 Fuel consumption	煤 Coal	Kg/h	144	288	490	576	864	1152	1440	1728	2160	2880
	生物质 Biomass	Kg/h	181	362	615	724	1086	1448	1810	2172	2715	3620
排烟温度 Exhaust gas temperature	℃	< 140										
最大件运输尺寸 Max transportation size	mm	4800×2100 ×2900	6050×2530 ×3460	6300×3100 ×3750	6970×2730 ×3760	8800×3410 ×5110	9200×3630 ×5710	10100×3300 ×2860	10500×3370 ×3560	10500×3580 ×3560	11300×3580 ×4160	
最大件运输重量 Max transportation weight	t	16.9	22	28.6	24.2	30	33.6	18.2	24.3	27.5	31	

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ZZL SERIES COMBINED SCREW THREADED SMOKE TUBE BOILER

STARUCTURE DRAWING OF ZZL SERIES COMBINED SCREW THREADED SMOKE TUBE

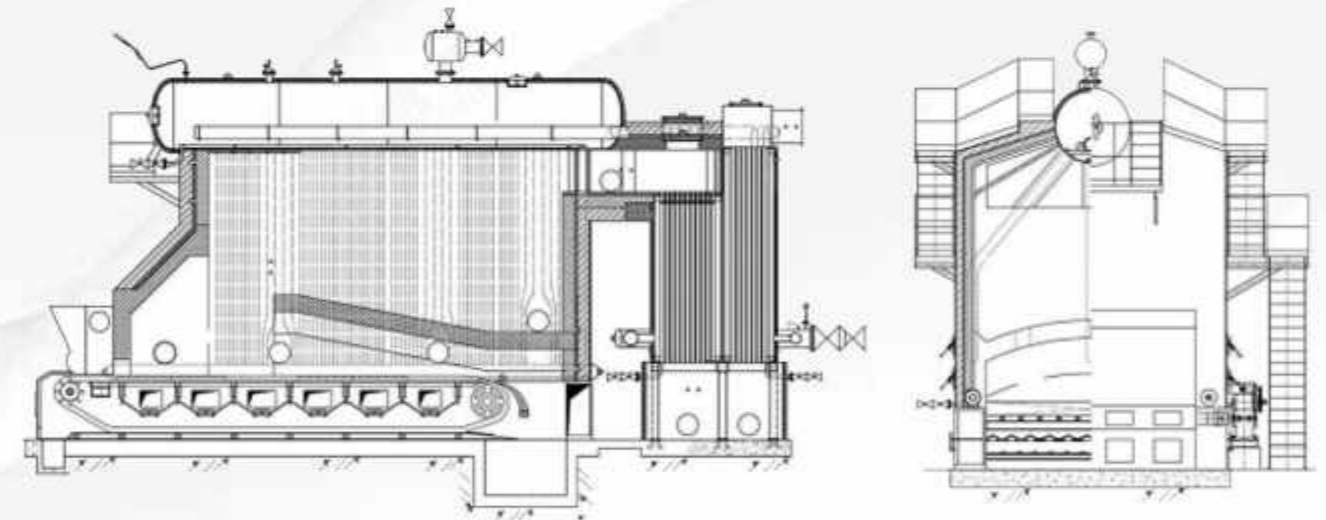
CORE TECHNOLOGY

-  组合螺纹烟管筒
Combined screw threaded smoke tube drum
-  重力沉降技术
Gravity precipitation technology
-  烟气惯性分离技术
Flue gas inertia separation technology
-  模块化集成设计
Modular integrated design
-  钢玉套管耐磨技术
Jade steel sleeve tube abrasion proof technology
-  大燃烧室，燃料适应性强
Large combustion room, high fuel adaptable



PRODUCT INTRODUCTION

Combined screw threaded smoke tube boiler is the third generation water and fire tube boiler developed through 5 years by our company and professor Li Zhiguang-the famous boiler expert, professor of Harbin Institute of Technology and director of Beijing Zhiguang Boiler Research Institute. Now this boiler is our patented product. With its unique innovative structure and remarkable energy saving and environmental protection effect, this boiler has been praised as "A Revolution of China's Industrial Boilers" by domestic and foreign experts.



WDR SERIES ELECTRIC HEATING BOILER TECHNOLOGY PARAMETER TABLE

WDR SERIES ELECTRIC HEATING BOILER



PRODUCT INTRODUCTION

WDR series full automatic electric heating boiler is a kind of new high technology product which takes electricity as energy. It has the advantages of environmental protection, no pollution, no noise, convenient installation, small occupation, full automatic control and high thermal efficiency.

CORE TECHNOLOGY

-  超压、超温、低水位、空烧报警联锁
Over pressure, over temperature, low water level, air ignition alarm interlock
-  全自动控制
Automatic control
-  断电、欠压、过流、短路、缺相停炉
Power off, under voltage, over current, short circuit, phase loss shutdown
-  不锈钢板外包装
Outer packing of stainless steel plate
-  不锈钢管式镍铬合金电加热管
Stainless steel tube type nichrome electric heating tube

参数项目 Parameters 锅炉型号 Boiler model	额定蒸发量 Rated steam capacity t/h	额定蒸汽压力 Rated steam pressure Mpa	额定蒸汽温度 Rated steam temperature ℃	给水温度 Feed-water temperature ℃	有效水容积 Effective water Volume m³	电功率 Electric power KW	使用电源 Applicable power supply V/Hz	锅炉热效率 Thermal efficiency %	锅炉重量 Boiler weight (t)	运行重量 Operating weight (t)	最大外形尺寸 Max overall dimension mm
WDR0.2	0.2	0.7	170.4	20	0.443	150	380/50	> 98	0.86	1.72	1693×1080×1510
WDR0.5	0.5	0.7	170.4	20	0.86	390					
WDR1	1	1.0	184	20	1.23	760					
WDR2	2	1.25	195	20	1.83	1520					

参数项目 Parameters 锅炉型号 Boiler model	额定热功率 Rated thermal power t/h	额定工作压力 Rated working pressure Mpa	额定出水温度 Rated output water temperature ℃	额定回水温度 Rated return water temperature ℃	有效水容积 Effective water volume m³	电功率 Electric power KW	使用电源 Applicable power supply V/Hz	锅炉热效率 Thermal efficiency %	锅炉重量 Boiler weight (t)	运行重量 Operating weight (t)	最大外形尺寸 Max overall dimension mm			
CWDR0.35	0.35	0	85	60	0.9	375	380/50	> 99	0.95	1.85	1750×1000×1900			
CWDR0.7	0.7				1.23	700						1.51	2.74	1780×1660×1900
CWDR1.05	1.05				2.05	1060						2.13	4.18	2050×1840×2060
CWDR1.4	1.4				3.12	1410						2.38	5.5	2260×1840×2060
CWDR1.75	1.75				3.76	1770						3.05	6.81	2280×2210×2160
CWDR2.1	2.1				4.73	2110						3.42	8.15	2630×2210×2160
CWDR2.8	2.8				6.47	2820						4.32	10.79	3680×2360×2380