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燃煤蒸汽、热水锅炉
Coal-fired Steam & Hot Water Boilers



无锡中正锅炉有限公司

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公司介绍

无锡中正锅炉有限公司是中华人民共和国质量监督检验检疫总局核准的锅炉和压力容器定点制造企业。公司持有A级锅炉制造许可证，BRII级压力容器制造许可证，美国ASME标准“S”（动力锅炉）、“U”（压力容器）许可钢印，并全面通过ISO9001:2000国际质量体系认证。公司座落于风光优美的太湖之滨，占地12万平方米，是一个具有年产12000蒸吨锅炉生产能力的现代化生产企业，为AAA级资信等级企业，历年来被评为无锡市及江苏省的重合同守信用企业、出口名牌企业、高新技术企业、优秀民营企业。

公司拥有一流的生产工艺装备，检测手段齐全，主要设备有：蛇形管生产线、数控盘管生产线、膜式壁生产线、纵环缝自动焊接生产线、钢架自动焊接生产线、数控等离子（火焰）切割机、数控锅筒钻、高速数控平面钻、高速集箱数控钻、100mm三辊数控万能式卷板机、相贯线数控切割、CNC、机器人焊接设备、Φ168数控立体弯管设备、4轴数控弯管机、3维激光切割机、管端成型设备、100T万能材料试验机、金相显微镜、射线探伤仪器、硬度计、光谱分析仪大型热处理炉、喷砂除锈房和喷漆烤漆房等等。

无锡中正锅炉有限公司全面实行计算机信息化管理和6S现场管理。目前主要产品包括工业锅炉、有机热载体锅炉、大型热水锅炉、电站锅炉、余热回收装置（HRSG）、特种余热锅炉、生物质锅炉、压力容器等系列。YLW系列和YY(Q)W(L)系列系列燃煤、燃生物质、燃气有机热载体锅炉、DZL型单锅筒纵置式链条炉排蒸汽和热水锅炉、SZL型双锅筒纵置式链条炉排蒸汽和热水锅炉、WNS型卧式三回程背式蒸汽和热水锅炉、SZS型双锅筒纵置式燃气蒸汽和热水锅炉、SHL型双锅筒横置式链条炉排蒸汽和热水锅炉、循环流化床蒸汽和热水锅炉、与西安交通大学联合研究开发的DHL型角管式大型热水锅炉、与北京之光锅炉研究所技术合作开发的DZL型新型水火管大型热水锅炉、拥有自主知识产权的DHL型单锅筒横置式P型大型热水锅炉、10-220t/h中温中压及高温高压电站锅炉、燃气-燃气轮机联合循环发电余热回收装置、金属行业、化工行业等各行业的余热锅炉、生物质燃料锅炉等400多个品种规格。

“不偏之谓中，中者天下之正道；立天下之正位，行天下之大道。”诚信与敬业为立足市场之根本，技术与质量为先市场之前提，服务与指导为巩固市场之关键。中正人以用户利益为己任，服务于社会。

COMPANY INTRODUCTION

Wuxi Zozen Boilers Co., LTD is the government designated enterprise of A-grade boilers, BRII. grade pressure containers and ASME "S", "U" manufacturing license that is approved by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China. The Company, situated at the side of beautiful Lake Taihu at Wuxi covering an area of 120,000M², is a modern enterprise with the yearly production capacity of 12000 steam ton. The company has certified for the certificate of ISO9001 quality assurance system, as well as the AAA-grade credit enterprise. It has been evaluated as the Company of Honoring the Contract & Keeping Commercial Integrity, high-tech enterprise, and excellent civil-run enterprise of Wuxi city & Jiangsu Province. Therefore, the Company relies on its professional experts, strict business management and fine production equipments, to manufacture the "ZOZEN" brand boilers and enjoy the reputation in whole China and even in the whole world.

The company has advanced production processing equipment and complete testing method. The main processing equipment are serpent tube line, CNC coiler production line, membrane wall line, vertical & circle welding line, steel frame automatic welding line, digital control plasma (flame) cutting machine, CNC drum drilling, high-speed CNC flat surface drilling, high-speed header digital control drilling, 100mm three roller CNC universal binder, intersecting lines digital control cutting, CNC, robot welding equipment, Φ 168 CNC three-dimensional bending equipment, 4 axis NC tube bending machine, 3D laser cutting machine, pipe end forming equipment, 100T universal material testing machine, metallurgical microscope, x-ray detector, hardness tester, spectrum analyzer, large scale heat treatment furnace, sand blasting and painting etc.

The company comprehensively implements computer information management and 6S site management. The main products include series of: industry boiler, organic heat carrier boilers, hot water boilers, power plant boilers, HRSG, special heat recovery boilers, Biomass boilers and pressure vessels. There are more than four hundred varieties and specifications, i.e. the steam boiler and hot water boiler of YLW series and YY(Q)W(L) series coal fired, biomass fired, gas fired organic heat carrier boiler, DZL type single drum with chain grate, the steam and hot water boilers of SZL type double drum with chain grate, the WNS type horizontal three return back steam and hot water boiler, the SZS type double drum oil/gas combustion D-type steam and hot water boilers, steam and hot water boilers of SHL type horizontal arranged double drum with chain grate, the circulating fluidized bed steam and hot water boilers designed by Tsinghua University, big size DHL corner tube hot water boiler jointly developed with Xi'an Jiao Tong University, the new DZL type water-fire tube (hybrid) hot water boiler jointly developed with the Boiler Research Institute of Beijing Light, the DHL type single horizontal drum P-type large hot water boilers which was self-developed and owns intellectual property right, 10-220t/h medium and high temperature/pressure power plant boilers, combined cycle power generation with waste heat recovery device, the waste heat boilers for the industries of metal, chemical etc. and biomass fuel boilers etc.

The "ZOZEN" people always respect sincerity and business reputation as our marketing principle, and always pursue the market-leading for our technology and product quality, as well as perfect our service and sales guide as the key for consolidating our markets as well. "ZOZEN" people shall abide the aim of protecting the interest of clients as our liability so as to serve the society by our heart!



SZL

系列烟煤/无烟煤卧式蒸汽、热水锅炉

series bituminous coal/anthracite horizontal type steam & hot water boilers

概述:

SZL型系列锅炉是我公司技术人员根据国内、外先进技术和经验设计而成的卧式双锅筒纵置式链条炉排水管蒸汽和热水锅炉。该系列产品技术、性能、环保指标均达到国际先进水平，为锅炉行业的主导产品。

锅炉采用快装或组装结构。4~6t/h为快装水管结构，在厂内全部整装后出厂；6~35t/h由上下二大件组成，上部大件为受热面，下部大件为燃烧设备。锅炉本体的前端为四周布置的水冷壁上上部与锅筒连接下部与集箱连接组成燃烧室，以吸收炉膛辐射热，其后端在上下锅筒之间布置密集的对流管束，燃烧后的高温烟气经过二次回程横向冲刷对流受热面后引至单独布置的省煤器，最后进入除尘器经烟囱排出。20t/h组装水管锅炉由前炉膛、后炉膛、对流管束、省煤器及链条炉排组成，并分别装配成整体出厂。

本系列锅炉吸取快装锅炉的优点，结构紧凑、锅炉房为单层布置、现场安装方便、周期短、费用低、操作简便等优点。本系列蒸汽锅炉适用于工业及生活用汽，相应容量的热水炉适用于工业及民用采暖。

INTRODUCTION:

SZL series boiler is the horizontal dual cylinder arranged, chain grating, pipe steam and hot water boiler designed by our technical personnel according to advanced technology and experiences from home and abroad. The technology, performance and environmental protective index of this series of products reach the international advanced level, and this product is the mainstay one in boiler industry.

The boiler uses quick fitting or assembly structure. The 4~6t/h boiler is of quick fitting pipe structure, exit shop after completely assembled, the boiler of 6~35t/h is composed of 2 main components; The upper assembled components is the body heat accepting part, and the lower assembled component is of combustion equipment. The former part of the boiler body is arranged a water cooling wall, the upper part of it is connected to boiler cylinder, and its lower part is connected to collective chest, so as to form a combustion room and absorb the radiated heat from the furnace; its rear part is arranged with dense convection pipe bundle between upper and lower boiler cylinders; the high temperature smog after combustion shall stand for twice returning flushing transversely to the heat accepting surfaces, and shall be introduced to coal saver singly arranged, and flow into duster and exhausted from chimney in the end. The 20t/h assembled water pipe boiler is composed of front furnace, rear furnace, convection pipe bundle, coal saver and chain grating, and which are assembled in big components respectively for delivery.

This series of boiler absorbs the merits from quick fitting boiler, features compact in structure, the boiler's shop is of one storey arranged, convenient for site installation, short in construction period, cheap in cost, simple in operation and etc. This series of steam boiler is suitable for industrial and living steam consumption, the correspondent capacity hot water boiler is applied for industrial and civil heating purpose.



制造工艺特点

MANUFACTURING PROCESS FEATURES

锅炉制造工艺

- 钢板下料、圈圆、锅筒、管板钻孔等关键加工工艺全采用先进的数控加工，减少组装应力，延长锅炉使用寿命
- 钢管切割、管端抛光、除锈、弯制，加工均采用先进的数控加工工艺
- 自动化生产线

Boiler manufacturing process

- Key processing technology like material preparation and circling of steel plate, drilling of drum and tube plate, etc are all adopted advanced CNC machining process to decrease the assemble stress and extend the boiler working life
- Steel tube cutting, polishing, rust cleaning, bending and process of tube end are all adopted advanced CNC process
- Automatic production line

锅炉焊接工艺

- 锅炉纵、环缝，管子和锅筒内侧的焊接，管子和法兰焊接等重要部位的焊均采用埋弧自动焊，或气体保护焊等自动化焊接工艺，保证焊接质量。所有纵、环焊缝均进行100%的射线探伤
- 管座法兰焊接，采用机器人焊接
- 链条炉排面板，前后烟箱面板采用数控等离子切割机切割，整齐美观
- 链条炉排均为本厂制造，出厂前均经过48小时冷态试运转，确保运行不跑偏

Boiler welding process

- Weld of important parts like the boiler vertical and circular seam, weld of tube and drum inboard, weld of tube and flange, etc all adopt automatic welding process like unionmelt welding or gas shielded welding, etc to ensure the welding quality. All the vertical and circular seams will be done 100% radiographic inspection
- Tube flange weld adopts robot welding
- The chain grate panel, front and rear smoke chamber panel adopts CNC plasma cutting machine to cut orderly and beautifully
- Chain grate are all manufactured by ZOZEN and be cold state test running for 48 hours before leaving the factory to make sure that the degree of tightness is moderate

弹簧全启式安全阀

- 安全阀的排放量都经过严格计算；
- 锅炉最大蒸发量当系统压力超过规定值时，安全阀自动打开泄压，从而保证系统不因压力过高而发生事故。

Spring full lift safety valve

- The safety valve discharge capacity is calculated strickly
- When the system pressure exceed rated value, safety valve will open decompression automatically to make sure that no accident will occur because of high system pressure

检修平台

- 检修平台安全可靠，布置合理，检修方便；
- 平台扶梯采用螺栓、螺母固定；
- 安装方便，不破坏底漆。

Overhaul platform

- Overhaul platform is safe and reliable, arranged reasonably and overhauled conveniently
- Platform ladder will be fixed by bolt and nut
- Safe and convenient and primer will not be damaged

人孔、检修门

- 上下锅筒均设有人孔，打开方便，利于用户检修和清洗
- 炉膛设置了检修门、方便检修与保养

Manhole, inspection door

- Manhole are set on upper and lower drum. Manhole opens conveniently and is good for overhaul and clean
- Inspection door is set in furnace for convenient overhauling maintenance

独立风仓

- 根据不同吨位，炉排从前到后设置不同数量的独立风仓；
- 用户可以根据不同的煤质和燃烧情况合理分配给风，确保燃煤的燃尽。

Independent air bin

- Set different quantity of independent air bin from front to rear grate according to different capacity
- Distribute air reasonably according to various coal quality and combustion condition to make sure that the coal is totally fired

链条炉排

- 链条炉排层燃燃烧，科学的炉拱，适用煤种广，合理的配风，燃烧充分。

Chain grate

- Chain grate layer burning, scientific furnace, widely applied type of coal, reasonable air distribution, full combustion

极低水位电极(蒸汽锅炉)

- 除国标规定的水位安全设置后，我们增加了极低水位电极保护，此电极和鼓、引风机联锁，确保锅炉运行时的水位安全。

Extreme low water electrode (steam boiler)

- Except the water level safety setting of international regulation, we add extreme low water level electrode protection. The electrode interlocks with FD fan and ID fan to make sure the water level is safe when boiler is operating



面板

- 冷轧压模成形凹凸面板，刚性好，强度大，美观大方；
- 采用自攻螺丝固定，无焊点；
- 外表经除锈后再涂防腐及面漆、底漆，美观大方。

Panel

- Cold rolling pressed film forms concave-convex panel which has great rigidity and strength and is beautiful
- Fixed by self-tapping screw and there is no welding spot
- After rust removed, the surface will be printed corrosion prevention and finishing coat and primer. It's beautiful

SZL系列烟煤卧式蒸汽、热水锅炉参数表

PARAMETER OF SZL SERIES BITUMINOUS COAL HORIZONTAL TYPE STEAM & HOT WATER BOILER

参数项目 Item	锅炉型号 Model	★ SZL4-1.25-All SZL4-1.60-All SZL4-2.45-All SZL2.8-0.7/95/70-All		★ SZL6-1.25-All(旧) SZL6-1.60-All SZL6-2.45-All SZL4.2-1.0/115/70-All		★ SZL8-1.25-All SZL8-1.60-All SZL8-2.45-All SZL5.6-1.0/115/70-All SZL6.4-1.25/130/70-All		★ SZL10-1.25-All SZL10-1.60-All SZL10-2.45-All SZL7.0-1.0/115/70-All SZL7.0-1.25/130/70-All		★ SZL15-1.25-All SZL15-1.60-All SZL15-2.45-All SZL10.5-1.0/115/70-All SZL10.5-1.25/130/70-All	
		额定蒸发量/额定供热量(t/h/MW) Rated evaporation capacity		4/2.8	6/4.2	8/5.6	10/7.0	15/10.5			
工作压力(MPa) Pressure		1.25/1.6/2.45/0.7	1.25/1.6/2.45/1.0	1.25/1.6/2.45/1.0/1.25	1.25/1.6/2.45/1.0/1.25	1.25/1.6/2.45/1.0/1.25					
蒸汽温度/额定出水温度(°C) Steam temperature/ Rated output water temperature		194/204/225/95	194/204/225/115	194/204/225/115/130	194/204/225/115/130	194/204/225/115/130					
给水温度/回水温度(°C) Feedwater/return water temperature		20/70	20/70	20/70	20/70	20/70					
受热面积(m²) Heating area	本体 Proper	21.0	22.6	26.1	29.5	34.8					
	辐射 Radiation	78.5	116.6	184.0	204.1	283.7					
	对流 Convection	38.5	130.8	130.8	174.4	348.8(汽) 261.6(水)					
省煤器(m²) Economizer											
炉排面积(m²) Effective area of grate		5.3	7.8	10.2	12.0	18.0					
设计煤种 Coal type(design)		All	All	All	All	All					
适用燃料 Available Fuel		All	All	All	All	All					
应用基低位发热值(kJ/kg) Low heating value		21000	21000	21000	21000	21000					
锅炉燃料消耗量(kg/h) Fuel consumption		591	880	1155	1443	2157					
锅炉热效率(%) Thermal efficiency		81.0	81.0	81.3	82.0	82.0					
最大运输重量(t) Weight of biggest part for transportation		32	21	25	28	30					
最大运输尺寸L×W×H(m) Overall dimension of boiler assembled		7.4×2.7×5.3	7.0×2.7×3.5	6.9×3.2×5.3	7.9×3.3×3.5	10.0×3.2×3.5					
安装后外形尺寸L×W×H(m) Overall dimension of boiler assembled		7.5×3.5×4.4	8.0×3.6×6.2	8.4×4.0×6.2	9.4×4.0×6.2	13.0×5.6×6.7					
引风机 Induced draft fan	型号 Model	Y×9-35-12(8C)	GY6-1右0°	10TY-9.5D右0°	10TY-9.5D右8°	Y5-47NO:12D右0°					
	风量(m³/h) Flow rate	17245	12000-24000	27045-31554	30000	33318-50356					
	风压(Pa) Wind pressure	3099-3040	3980-4245	3895-3932	4030-4120	3628-3393					
	转速(r/min) Rotation speed	1600	1450	1450	1450	1480					
	电动机 Electric motor	型号 Model	Y180L-4	Y200L-4	Y250M-4	Y250M-4	Y280S-4				
	功率(kW) Power	22	37	55	55	75					
鼓风机 Forced draft fan	型号 Model	T4-72NO:4A右315°	GG6-1右225°	10TG8.1D右225°	10TG8.1D右225°	15TGNO.8.4D右225°					
	风量(m³/h) Flow rate	3742-7226	12000-7000	14840-16281	15012.2	31400-19400					
	风压(Pa) Wind pressure	1275-2036	1442-2109	3151-2843	2241.6	1450-2380					
	转速(r/min) Rotation speed	2900	1450	1450	960	1450					
	电动机 Electric motor	型号 Model	Y132S1-2	Y160M-4B3	Y160L-4	Y160L-6	Y180L-4				
	功率(kW) Power	5.5	11	15	15	22					
给水泵 Feed Water pump	型号 Model	DG6-25×6	DG6-25×6	DG12-25×7	DG12-25×7	DG25-30×5					
	转速(r/min) Rotation speed	2950	2950	2950	2950	2900					
	扬程(m) Lift	150	150	175	175	170					
	电动机功率(kW) Motor power	7.5	7.5	15	15	22					
调速箱 Governor	型号 Model	GL-5P	GL-10P/II	GL-16P	GL-16P	GL-20P/II					
	电动机 Electric motor	型号 Model	YCT112-4A	YCT112-4B	YCT132-4A	YCT132-4A	YCT132-4B				
	功率(kW) Power	1.1	1.1	1.1	1.1	1.5					
转速(r/min) Rotation speed	125-1250	125-1250	125-1250	125-1250	125-1250						
出渣机 Ash extractor	型号 Model	CZX-3.1	CZX-4	CZX-4.6	CZX-4.6	GBL-15					
	电动机 Electric motor	型号 Model	Y90L-6	Y100L-6	Y100L-6	Y100L-6	Y100L-6				
	功率(kW) Power	1.1	1.5	1.5	1.5	2.2					
	转速(r/min) Rotation speed	960	960	960	960	960					
除尘机型号 Dust collector		XTD-4	XTD-6	XTD-10	XTD-10	XTD-15					

说明：1. 表中水泵及外形尺寸数据为★号锅炉；2. 最终数据以蓝图为准。
Note: 1. The date of water pump and overall dimension in this form belong to the boiler model marked ★; 2. The final data is subject to the blueprint.

SZL系列烟煤卧式蒸汽、热水锅炉参数表

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		额定蒸发量/额定供热量(t/h/MW) Rated evaporation capacity		20/14	25/17.5	30/21	35/29		
工作压力(MPa) Pressure		1.25/1.6/2.45/1.0/1.25	1.25/1.6/2.45/1.0/1.25	1.25/1.6/2.45/1.0/1.25	1.25/1.6/2.45/1.0/1.25				
蒸汽温度/额定出水温度(°C) Steam temperature/ Rated output water temperature		194/204/225/115/130	194/204/225/115/130	194/204/225/115/130	194/204/225/115/130				
给水温度/回水温度(°C) Feedwater/return water temperature		20/70	20/70	20/70	20/70				
受热面积(m²) Heating area	本体 Proper	61.5	90.9	109.21	110.6				
	辐射 Radiation	334.3	549.8	549.8	572.3				
	对流 Convection	377.6(汽) 236(水)	330.4	330.4	350.0				
省煤器(m²) Economizer									
炉排面积(m²) Effective area of grate		23.2	25.4	28.1	37.74				
设计煤种 Coal type(design)		All	All	All	All				
适用燃料 Available Fuel		All	All	All	All				
应用基低位发热值(kJ/kg) Low heating value		21000	21000	21000	21000				
锅炉燃料消耗量(kg/h) Fuel consumption		2866	3617	4340	5065				
锅炉热效率(%) Thermal efficiency		82.0	82.0	82.0	82.0				
最大运输重量(t) Weight of biggest part for transportation		30	31	31	33				
最大运输尺寸L×W×H(m) Overall dimension of boiler assembled		11.0×3.2×3.5	9.9×3.2×3.5	9.9×3.3×3.6	8.0×3.75×3.8				
安装后外形尺寸L×W×H(m) Overall dimension of boiler assembled		14.0×5.6×7.7	17.0×6.5×8.5	15.7×6.5×9.5	15.7×7.5×11.0				
引风机 Induced draft fan	型号 Model	Y5-47NO:12.4D左0°	GY20-15NO:12.5D	Y5-47 13.5D	Y4-73 14D				
	风量(m³/h) Flow rate	36762-69347	77000	71830	86586-109550				
	风压(Pa) Wind pressure	2824-3874	3450	4370	4029-3968				
	转速(r/min) Rotation speed	1480	1480	960	1480				
	电动机 Electric motor	型号 Model	Y315S-4	Y315S-4	Y315M-4B3	Y315M-4			
	功率(kW) Power	110	110	132	185				
鼓风机 Forced draft fan	型号 Model	G4-73NO:9D右225°	G4-73-11NO:10D右225°	G4-73-11 10D	G4-73-10.5D				
	风量(m³/h) Flow rate	23003-32079	41200	41200	36528-70075				
	风压(Pa) Wind pressure	2559-2668	3270	3270	3647-2422				
	转速(r/min) Rotation speed	1450	1450	1450	1450				
	电动机 Electric motor	型号 Model	Y200L-4	Y250M-4	Y250M-4	Y280S-4			
	功率(kW) Power	30	55	55	75				
给水泵 Feed Water pump	型号 Model	DG25-30×6	DG25-30×7	DG46-30×6	DG46-30×7				
	转速(r/min) Rotation speed	2900	2950	2900	2900				
	扬程(m) Lift	180	192.5	180	210				
	电动机功率(kW) Motor power	30	30	37	46				
调速箱 Governor	型号 Model	GL-20PW/II	GL-30P	GL-30P	GL-40P				
	电动机 Electric motor	型号 Model	JZTY22-4	YCT160-4A	YCT160-4A	YCT160-4B			
	功率(kW) Power	1.5	2.2	2.2	3.0				
转速(r/min) Rotation speed	125-1250	125-1250	125-1250	125-1250					
出渣机 Ash extractor	型号 Model	GBL-20	GBL-25	GBL-30	GBL-35				
	电动机 Electric motor	型号 Model	Y100L-6	Y100L-6	Y100L-6	Y100L-6			
	功率(kW) Power	2.2	3.0	3.0	4.0				
	转速(r/min) Rotation speed	960	960	960	960				
除尘机型号 Dust collector		XTD-20	XTD-25	XTD-30	XTD-35				

说明：1. 表中水泵及外形尺寸数据为★号锅炉；2. 最终数据以蓝图为准。
Note: 1. The date of water pump and overall dimension in this form belong to the boiler model marked ★; 2. The final data is subject to the blueprint.

SZL系列无烟煤卧式蒸汽、热水锅炉参数表

PARAMETER OF SZL SERIES ANTHRACITE HORIZONTAL TYPE STEAM & HOT WATER BOILER

参数项目 Item	锅炉型号 Model	★ SZL6-1.25-WII SZL6-1.60-WII SZL6-2.45-WII SZL4.2-1.0/115/70-WII		★ SZL8-1.25-WII SZL8-1.60-WII SZL8-2.45-WII SZL5.6-1.0/115/70-WII		★ SZL10-1.25-WII SZL10-1.60-WII SZL10-2.45-WII SZL7-1.0/115/70-WII		SZL15-1.25-WII ★ SZL15-1.60-WII SZL15-2.45-WII SZL10.5-1.0/115/70-WII		
		额定蒸发量/额定供热量(t/h/MW) Rated evaporation capacity		6/4.2		8/5.6		10/7		15/10.5
工作压力(MPa) Pressure		1.25/1.60/2.45/1.0		1.25/1.60/2.45/1.0		1.25/1.60/2.45/1.0		1.25/1.60/2.45/1.0		
蒸汽温度/额定出水温度(°C) Steam temperature/ Rated output water temperature		194/205/225/115		194/205/225/115		194/205/225/115		194/205/225/115		
给水温度/回水温度(°C) Feedwater/return water temperature		105		105/70		105/70		105/70		
受热面积(m ²) Heating area	本体 Proper	辐射 Radiation	20.0	27.0	29.5	24.6				
		对流 Convection	199.3	202.0	204.1	315.0				
		省煤器(m ²) Economizer	130.8	69.8	69.8	212.0				
		空气预热器 Air preheater	54.9	88.7	88.7	224.0				
炉排面积(m ²) Effective area of grate		11.0	16.6	16.6	21.13					
适用燃料 Available Fuel	设计煤种 Coal type(design)	W II		W II		W II		W II		
	应用基低位发热值(kJ/kg) Low heating value	25403		25403		25403		25403		
最大运输重量(t) Weight of biggest part for transportation		23		25		27		30		
最大运输尺寸L×W×H(m) Overall dimension of boiler assembled		8.7×2.7×3.5		10.6×3.2×3.5		10.6×3.2×3.5		10.8×3.5×3.5		
安装后外形尺寸L×W×H(m) Overall dimension of boiler assembled		9.5×3.6×5.9		10.9×4.0×5.9		10.9×4.0×5.9		11.8×5.6×6.2		
引风机 Induced draft fan	型号 Model	GY6-18 右0°		GY10-18 右45°		GY10-18 右0°		GY15-16 左45°		
	风量(m ³ /h) Flow rate	18000		30000		30000		33318-62850		
	风压(Pa) Wind pressure	4265		4120		4120		3752-4005		
	转速(r/min) Rotation speed	1450		1450		1450		1480		
	电动机 Electric motor	型号 Model	Y200L-4		Y250M-4B		Y250M-4B3		Y280M-4	
	功率(kW) Power	37		55		55		75		
鼓风机 Forced draft fan	型号 Model	9-19NO.9D 右225°		GG10-15 左225°		GG10-15 右225°		GG15-15 右90°		
	风量(m ³ /h) Flow rate	8294-10171		8327-14156		8327-14156		21362-25435		
	风压(Pa) Wind pressure	4101-4453		3907-3975		3907-3975		3704-3812		
	转速(r/min) Rotation speed	1450		1450		1450		1450		
	电动机 Electric motor	型号 Model	Y180L-4		Y180L-4B		Y180L-4B3		Y255S-4B3	
	功率(kW) Power	22		22		22		37		
给水泵 Feed Water pump	型号 Model	DG6-25×7		DG12-25×7		DG12-25×7		DG25-30×7		
	转速(r/min) Rotation speed	2950		2900		2900		2900		
	扬程(m) Lift	175		175		175		210		
	电动机功率(kW) Motor power	7.5		15		15		30		
调速箱 Governor	型号 Model	GL-16PW/II		GL-16P/II		GL-20PW/I		GL-20PW/II		
	电动机 Electric motor	型号 Model	YCT132-4A		YCT132-4A		YCT132-4B		YCT132-4B	
		功率(kW) Power	1.1		1.1		1.5		1.5	
		转速(r/min) Rotation speed	125-1250		125-1250		125-1250		125-1250	
出渣机 Ash extractor	型号 Model	CZX-4		CZX-4.6		CZX-4.6		CZX-4.9		
	电动机 Electric motor	型号 Model	Y100L-6		Y100L-6		Y100L-6		Y100L-6	
		功率(kW) Power	1.5		1.5		1.5		2.2	
		转速(r/min) Rotation speed	960		960		960		960	
		除尘机型号 Dust collector	XTD-6		XTD-8		XTD-10		XTD-15	

说明：1、表中水泵及外形尺寸数据为★号锅炉；2、最终数据以蓝图为准。
Note: 1. The date of water pump and overall dimension in this form belong to the boiler model marked ★; 2. The final data is subject to the blueprint.

SZL系列无烟煤卧式蒸汽、热水锅炉参数表

PARAMETER OF SZL SERIES ANTHRACITE HORIZONTAL TYPE STEAM & HOT WATER BOILER

参数项目 Item	锅炉型号 Model	SZL20-1.25-WII ★ SZL20-1.60-WII SZL20-2.45-WII SZL14-1.25/130/70-WII		SZL25-1.25-WII ★ SZL25-1.60-WII SZL25-2.45-WII SZL17.5-1.25/130/70-WII		SZL30-1.25-WII ★ SZL30-1.60-WII SZL30-2.45-WII SZL21-1.25/130/70-WII		SZL35-1.25-WII ★ SZL35-1.60-WII SZL35-2.45-WII SZL29-1.25/130/70-WII		
		额定蒸发量/额定供热量(t/h/MW) Rated evaporation capacity		20/14		25/17.5		30/21		35/29
工作压力(MPa) Pressure		1.25/1.60/2.45/1.25		1.25/1.60/2.45/1.25		1.25/1.60/2.45/1.25		1.25/1.60/2.45/1.25		
蒸汽温度/额定出水温度(°C) Steam temperature/ Rated output water temperature		194/205/225/130		194/205/225/130		194/205/225/130		194/205/225/130		
给水温度/回水温度(°C) Feedwater/return water temperature		105/70		105/70		105/70		105/70		
受热面积(m ²) Heating area	本体 Proper	辐射 Radiation	42.51	90.9	109.21	110.6				
		对流 Convection	380.0	549.8	549.8	572.3				
		省煤器(m ²) Economizer	267.8	330.4	330.4	350.0				
		空气预热器 Air preheater	342.1	340.2	380.0	420.0				
炉排面积(m ²) Effective area of grate		25.7	25.4	28.1	37.74					
适用燃料 Available Fuel	设计煤种 Coal type(design)	W II		W II		W II		W II		
	应用基低位发热值(kJ/kg) Low heating value	25403		25403		25403		25403		
最大运输重量(t) Weight of biggest part for transportation		32		31		31		33		
最大运输尺寸L×W×H(m) Overall dimension of boiler assembled		12.0×3.4×3.5		9.9×3.2×3.5		9.9×3.3×3.6		8.0×3.75×3.8		
安装后外形尺寸L×W×H(m) Overall dimension of boiler assembled		13.5×6.6×9.8		17.0×6.5×8.5		15.7×6.5×9.5		15.7×7.5×11.0		
引风机 Induced draft fan	型号 Model	Y5-47NO.12.4D 左0°		GY20-15 12.5D		Y5-47 13.5D		Y4-73 14D		
	风量(m ³ /h) Flow rate	36762-69347		77000		71830		86586-109550		
	风压(Pa) Wind pressure	2824-3874		3450		4370		4029-3968		
	转速(r/min) Rotation speed	1480		1480		960		1480		
	电动机 Electric motor	型号 Model	Y315S-4		Y315S-4		Y315M-4B3		Y315M-4	
	功率(kW) Power	75		90		90		110		
鼓风机 Forced draft fan	型号 Model	9-26NO.12.5D 右225°		G4-73 10D		G4-73-11 10D		G4-73-10.5D		
	风量(m ³ /h) Flow rate	19888-28078		41200		41200		36528-70075		
	风压(Pa) Wind pressure	4249-4917		3270		3270		3647-2422		
	转速(r/min) Rotation speed	960		1450		1450		1450		
	电动机 Electric motor	型号 Model	Y315S-6		Y250M-4		Y250M-4		Y280S-4	
	功率(kW) Power	75		90		90		110		
给水泵 Feed Water pump	型号 Model	DG25-30×7		DG25-30×7		DG46-30×6		DG46-30×7		
	转速(r/min) Rotation speed	2900		2900		2900		2900		
	扬程(m) Lift	210		210		180		210		
	电动机功率(kW) Motor power	30		30		37		46		
调速箱 Governor	型号 Model	GL-30P		GL-30P		GL-30P		GL-40P		
	电动机 Electric motor	型号 Model	YCT160-4A		YCT160-4A		YCT160-4A		YCT160-4B	
		功率(kW) Power	2.2		2.2		2.2		3.0	
		转速(r/min) Rotation speed	125-1250		125-1250		125-1250		125-1250	
出渣机 Ash extractor	型号 Model	GBL-20		GBL-25		GBL-30		GBL-35		
	电动机 Electric motor	型号 Model	/		/		/		/	
		功率(kW) Power	2.2		3.0		3.0		4.0	
		转速(r/min) Rotation speed	960		960		960		960	
		除尘机型号 Dust collector	XTD-20		XTD-25		XTD-30		XTD-35	

说明：1、表中水泵及外形尺寸数据为★号锅炉；2、最终数据以蓝图为准。
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