

SZL Water Tube Quickly Installed (assembled) Steam Boiler

SZL water tube quickly installed (assembled) boiler has 2 vertical steam drums, and the innovative horizontal cyclone-fired combustion chamber, which could effectively enhance the thermal efficiency and reduce the flue gas emission concentration. The flue gas emission concentration is lower than 100 mm/nm³, the flue gas blackness is lower than Ringe Imann level 1, which enables the boiler to be used in the first-class environment protected area. The boiler installs one cast iron economizer at its afterbody, the fire-gate applies the chamber-segregated ventilation structure, which is easy to adjust.

The separate-layer coal supply device could be chosen according to the customer requirement. Advantages of such boiler are: strong power, high thermal efficiency, 110% override capability, compactly designed, small floor area. Customers appreciate its safely operated, investment conserved, and broadly fuel adapted capability most.



SZL Series Steam Boiler Specification and Boiler Auxiliaries

Model			SZL6-1.25-AII	SZL8-1.25-AII	SZL10-1.25-AII	SZL 10-1.6-AII	SZL15-1.25-AII	SZL20-1.25-AII
Item	Parameter							
Ated Evaporation Capcity		t/h	6	8	10	10	15	20
Operation Pressure		Mpa	1.25	1.25	1.25	1.6	1.25	1.25
Steam Temperature		°C	194	194	194	203	194	194
Water-Inlet Temperature		°C	20	20	105	105	105	105
Boiler Heating Efficiency		%	80.6	81.86	81.17	82	82.34	82.95
Area Of Boiler Heating Surface		m2	137.6	175	210	210	435	578
Area Of Stoker		m2	7.23	8.6	11.72	11.27	16.4	18.87
Fuel	Coal Available Consumption	kg/h	II Type Bitumite,Low Heat Capability: 17700-21000KJ/Kg					
			900	1280	1450	1450	2340	3180
Primary Steam Valve Drifted Diameter		mm	Pn1.6 Dn125	Pn1.6 Dn125	Pn1.6 Dn150	Pn2.5 Dn150	Pn1.6Dn200	Pn1.6Dn200
Water Inflow Valve Drifted Diameter		mm	Pn1.6 Dn50	Pn1.6 Dn50	Pn1.6 Dn50	Pn2.5 Dn50	Pn1.6Dn65	Pn1.6Dn65
Dimensions Of Biggest Parts For Shipment (LxWx H)		m	7.83x3.34x3.46	8.82x3.34x3.46	7.1x3.4x3.5 8x3.5x2.7	7.1x3.4x3.5 8x3.5x2.7	9.05x3.35x3.69	10.6x3.35x3.69
Weight Of Biggest Parts For Shipment		t	36	45	28/27	29/27	24	27
Overall Dimensions Of Boiler Assembled (LxWxH)		m	10x5.3x3.9	11.6x5.4x3.9	8x4.5x6	8x4.5x6	12.3x5.3x7.2	14.2x5.3x8.04
Total Boiler Weight		t	48	56	96.1	97.1	108	116
Boiler Feed Pump	Model		DG12-25x7	DG12-25x7	DG12-25x7	DG12-25x7	DG20-35x5	DG25-35x5
	Motor Power	Kw	15	15	15	15	22	22
Blower	Model		G6-41-13 No 7.1A	G6-41-13 No 8.5A	G6-41-13 No 8.5A	G6-41-13 No 8.5A	TG15-1	TG20-1
	Ventilation	m3/h	5349-10354	9369-18137	9369-18137	9369-19137	23000	32079
	Wind Pressure	Pa	2270-1697	2535-3391	2535-3391	2535-3391	1960	2559
	Motor Power	Kw	7.5	18.5	18.5	18.5	18.5	30
Induced Draft Fan	Model		Y6-41-13No 10C	Y6-41-13 No 11. 2D	Y6-41-13 No11.2D	Y6-41-13 No11.2D	TY15-2	Ty20-2
	Ventilation	m3/h	32144-16604	41773-21578	41773-21578	41773-21578	40000	54520
	Wind Pressure	Pa	2575-3444	2674-3697	2764-3697	2764-3697	3038	3236
	Motor Power	Kw	37	45	45	45	55	75

Remarks:

- 1.The parameter in the upper sheet is only for your reference, we will not inform customer the varied size and dimension due to the design and installation
- 2.The coal consumption is calculated according to the coal in bulk heat rate 6000 kcal/kg
- 3.The boiler exterior size is in accordance with the design drawing

Note:

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!