

YLL立式旋流燃烧式无烟尘有机热载体锅炉

YLL Vertical Cyclone Combustion Smokeless Thermal Oil Heater

产品特点 Features

- 环保指标:满负荷运行时纯无烟,林格曼黑度为0。
 - 燃烧效率:炉膛挥发份尽率100%,排出的灰渣含碳量3-5%,总的燃尽率95-97%。
 - 说明:总的燃尽率可以和燃水煤浆的锅炉相媲美,但环保效果优于水煤浆锅炉,并且系统结构简单,运行成本和维护成本低廉。
 - 节能效果:和传统的同类产品对比新型无烟尘锅炉可提高节煤率10-15%。(注:传统的同类产品满负荷运行时会有烟尘,林格曼黑度在1级以上冒黑烟,只有在轻负荷运行时林格曼黑度在1级左右,排出的灰渣含碳量高达15-30%总的燃尽率仅为75-80%左右,燃烧效率低,环保指数勉强)。
 - 适用煤种: I类、II类、III类普通混沫烟煤,要求矸石粉的掺进率低于50%。
 - Index of environmental protection: Purely smokeless when running under full load, with zero Ringelman's concentration of smoke.
 - Efficiency of combustion: 100% burnout rate of volatile content in hearth, 3-5% carbon content of ash sludge, 95-97% total burnout rate.
 - Notes: The total burnout rate can compare favorable with that of coal water slurry fired boiler. However, the effect of environmental protection is better than that of coal water slurry fired boiler, with simply structure, lower operation cost and maintenance cost.
 - Energy-saving effect: Compared with traditional similar products, the energy-saving rate of updated smokeless boiler may be increased by 15-20%. (Notes: Traditional similar products can bring smoke and dust when running under full load; black smoke may escaped when Ringelman's concentration of smoke is more than Level 1. Ringelman's concentration of smoke is about Level 1 only when it is running under light load. The carbon content in ash sludge is up to 15-30%, with total burnout rate 75-80% only, low efficiency of combustion and inadequate indices of environmental protection.
- Applicable coal: Category 1, Category 2 and Category 3 common mixing bubble soft coal. Mixing rate of gangue powder is required by less than 50%.



技术参数表 List of technical parameter

型号Model	YLL-()MA												
		700	1000	1200	1400	1800	2400	3000	3500	4000	4600	6000	7000
额定热功率 Rating power	KW ×10 ⁴ Kcal/h	700 60	1000 80	1200 100	1400 120	1800 160	2400 200	3000 250	3500 300	4000 350	4600 400	6000 500	7000 600
设计热效率 Design thermal efficiency	%	≥80											
额定工作压力 Rating working pressure	Mpa	1.0											
最高使用温度 Max. working temperature	°C	350											
热媒油容量 Thermal oil capacity	M ³	0.61	0.78	0.97	1.12	1.87	2.49	3.65	4.56	5.25	6.1	7.52	8.1
循环油量 Circulating oil capacity	M ³ /h	60	80	100	100	160	200	200	200	230	250	300	400
主热媒口径 Main valve size	mm	100	125	125	125	150	150	200	200	200	200	250	250
全系统装机容量 Whole system power	KW	28	39	39	39	70	70	95	100	106	130	175	190
适用燃料		I、II、III类烟煤											
燃料耗量 Fuel consumption	Kg/h	109	145	181	218	290	363	455	545	636	727	909	1090
最大运输尺寸 Most transport Size	长 L	4385	4685	4685	4685	5924	5924	7030	7030	7630	7740	8860	9280
	宽 W	2150	2500	2500	2500	2600	2600	3250	3250	3490	3650	3750	3950
	高 H	4650	4750	5120	5710	5520	6990	8120	9330	10540	11750	12980	14200
净重 Net weight	t	10.72	15.35	16.25	16.65	20.14	23.52	30.41	35.72	43.32	49.93	59.53	76.48
满油重 Weight filled with oil	t	11.59	15.76	17.27	17.55	21.81	28.52	36.21	39.82	48.52	55.23	66.18	84.23
烟囱直径 Chimney diameter	mm	400	340	400	400	500	500	500	645	645	645	700	700

注:本公司由于技术进步对以上数据保留修改的权利,最终数据以随机图纸为准。

Notes: We will reserve rights to change the above-mentioned data due to technical innovation. The final data shall be subject to the drawings attached on the equipment.

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