

YLW卧式旋流燃烧式无烟尘有机热载体锅炉

YLW Horizontal 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,不增加任何锅炉辅机,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 simple structure, without any additional auxiliary machine, with lower operation coast and maintenance cost.
- Energy-saving effect: Compared with traditional similar products, the energy-saving rate of updated smokeless boiler may be increased by 10-15%. (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 | | YLW-()MA | | | | | | | | | | | | | |
|------------------------------------|-------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | 1400 | 1800 | 2400 | 3000 | 3500 | 4000 | 4600 | 6000 | 7000 | 8200 | 9300 | 10500 | 12000 | 14000 |
| 额定热功率 Rating power | KW ×10 ⁴ Kcal/h | 1400 120 | 1800 160 | 2400 200 | 3000 250 | 3500 300 | 4000 350 | 4600 400 | 6000 500 | 7000 600 | 8200 700 | 9300 800 | 10500 900 | 12000 1000 | 14000 1200 |
| 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 | | | | | | | | | | | | | |
| 热煤油容量 Thermal oil capacity | M ³ | 1.56 | 1.8 | 2.2 | 2.94 | 3.47 | 3.82 | 4.96 | 5.88 | 7.8 | 8.4 | 9.31 | 10.38 | 11.52 | 13.1 |
| 循环油量 Circulating oil capacity | M ³ /h | 100 | 100 | 160 | 200 | 200 | 230 | 250 | 300 | 400 | 400 | 500 | 500 | 600 | 600 |
| 主热煤口径 Main valve size | mm | 150 | 150 | 150 | 200 | 200 | 200 | 200 | 250 | 250 | 250 | 300 | 300 | 350 | 400 |
| 全系统装机容量 Whole system power | KW | 40 | 70 | 70 | 95 | 100 | 106 | 130 | 175 | 190 | 275 | 275 | 310 | 310 | 315 |
| 适用燃料 | | I、II、III类烟煤 | | | | | | | | | | | | | |
| 燃料耗量 Kg/h | | 218 | 290 | 363 | 455 | 545 | 636 | 727 | 909 | 1090 | 1272 | 1455 | 1636 | 1818 | 2182 |
| 最大运输尺寸 Most transport Size | 长 L 宽 W 高 H | 5930 2220 4650 | 2950 2220 4640 | 6030 2220 4890 | 6820 2720 4890 | 6820 2710 4860 | 7830 2950 5280 | 7740 3110 5120 | 8860 3210 5345 | 9280 3440 5490 | 9820 3460 5860 | 10990 3460 5820 | 11540 3460 5840 | 11980 3820 5920 | 12180 3480 5980 |
| 净重 Net weight | t | 25.25 | 26.7 | 31.2 | 39.74 | 435.44 | 52.2 | 59.3 | 69.4 | 89.2 | 100.2 | 102.6 | 128.2 | 136.1 | 156.2 |
| 满油重 Weight filled with oil | t | 27.55 | 31.23 | 33.56 | 42.24 | 47.39 | 56.45 | 63.52 | 75.4 | 95.83 | 104.74 | 110.74 | 136.2 | 145.9 | 157.3 |
| 烟囱直径 Chimney diameter | mm | 400 | 500 | 500 | 500 | 645 | 645 | 645 | 700 | 700 | 850 | 850 | 1000 | 1150 | 1200 |

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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