



Oil And Gas Fuel 1-15ton Power Plant Steam Boiler 0.7-14MW Energy Saving

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: SFGL
- Certification: CCC,CE
- Model Number: SZS
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Delivery Time: 30 Days after Payment
- Payment Terms: L/C, D/A, D/P, T/T
- Supply Ability: 1000 sets per year



Product Specification

- Working Medium: Steam Boiler
- Steam Capacity: 1-15ton
- Hot Water Capacity: 0.7-14MW
- Size: Large
- Material: Metal
- Durability: Long-lasting
- Safety Features: Advanced
- Power Source: Electricity
- Type: Machinery
- Maintenance: Regular
- Highlight: 15ton power plant steam boiler,
14MW power plant steam boiler,
14MW boiler used in steam power plant

Product Description

Oil and Gas Fuel 1-15ton Steam Boiler 0.7-14MW

Technical advantages

Unique structural design

It adopts the unique design of central back-firing and two-pass, the center of the combustion chamber is arranged at a low position, and the heat exchange flue pipe is symmetrically distributed on the left and right.

The rational application of the corrugated furnace and the threaded smoke pipe of the enhanced heat transfer element not only strengthens the turbulent heat transfer of the high-temperature flue gas, but also effectively absorbs the thermal expansion and contraction of the furnace body.

The boiler adopts the design idea of large furnace, which burns completely, is not easy to deposit carbon, has the characteristics of high efficiency and sufficient output, and low nitrogen oxide emission.

The economizer and condenser are arranged on the top of the boiler, with compact structure and no floor space.

The economizer and condenser adopt the spiral finned tube type to enhance heat transfer, and the countercurrent arrangement has good heat transfer performance.

The condenser is made of special ND steel, which has good corrosion resistance to condensed water and greatly improves the service life.

Reasonable flue structure, smoke box hydrophobic structure, condensed water is easy to discharge, collect and process.

Energy saving and environmental protection

The boiler adopts the design idea of large furnace to reduce the heat load of the furnace volume. With professional burners, the NOx emission is as low as $<30\text{mg}/\text{Nm}^3$.

99% of the composition of natural gas is methane (CH_4), which contains a large amount of hydrogen (H). The flue gas after combustion contains a large amount of water vapor. According to theoretical calculations, the proportion of water vapor in the flue gas is about 18%. If the water vapor is condensed into water and the latent heat of vaporization is recovered, about 5% of the heat is recovered, and the boiler efficiency can be increased to $>100\%$.



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