Operating Instruction

COAL MILL

Henan Hongxing Heavy Machinery Co., Ltd.
The Inner Structure and Function of Coal Mill:

Coal mill is the equipment used for grinding and drying coal with different hardness and it is mainly composed of feeding device, principal axis, rotating part, transmission part, discharging part, high-pressure starting device and lubrication system.

The Application and Advantages of Coal Mill:

Coal mill is widely used in cement, building material, thermal power generation, metallurgy and chemical industry and it has the reasonable structure and high powder grinding efficiency, so that it is the ideal equipment for making coal powders.
**Characteristics:**

Feeding Granularity: Φ2.2×4.4m-Φ3.8×7.25+3.5m  
Production Capacity: 8-43t/h  
Application Range: Widely used in cement building materials, thermal power, metallurgical industry, chemical industry, etc

**Working principle:**

The raw coal goes into the feeding device of the grinding mill from the feeding equipment, and at the same time, the hot air with the temperature about 300°C also goes into the feeding device through the air line. The lifting board specially set inside the drying cabin lifts the raw coal, and the raw coal will conduct strong heat exchange here and be dried, and the dried coal sheet goes into the grinding cabin through the double-deck partition board with lifting board.

Inside the grinding cabin, there are grinding media (steel balls), and the coal sheet will be crushed and ground to coal powders here. While the coal sheet is crushed, the specialized draft fan will bring the crushed coal powders and air through the discharging device of the grinding mill out of the grinding mill, and the coarse particles will be returned by the returning spiral of the discharging device to the grinding cabin to be crushed again.

**Feature:**

This grinding mill adopts edge driving and the electromotor rives the grinding mill through the reducer and rack wheel and pinion. The grinding mill adopts air-swept structure with a drying bin, so that it had strong adaptability to the water containing in the raw coal. Inside the powder grinding cabin, the ladder lining board, double-ladder lining board and ripple lining board are arranged in a combined type, thus improving the powder grinding ability of the grinding mill. The feeding device adopts window-shade structure that the air can obliquely go in, thus enhancing the heat exchange ability of the grinding mill and effectively avoiding the material blockage of the feeding mouth of the coal mill.
• **Pre-sale services: enthusiasm**
  We provide you with the prophase plan, process flow design and manufacturer equipment according to your special demand.

• **Sale services: servant**
  Send technicians to the jobsite for guiding the installation and adjustment, training operators and finishing the check and accept together with you.

• **After-sale services: faithfulness**
  To establish long term friendship, we will regularly pay return visit to customers. Supplying technique, building design, instruction, installation