

Air-Swept Coal Pulverizer Mill

The air-swept coal mill grinds and dries coal using a combination of mechanical crushing and airflow. It is composed of a feeding device, main bearing, rotating part, gear, discharging equipment, and lubrication system.



Overview

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The air-swept coal mill is a high-efficiency grinding machine designed for pulverizing and drying various types of coal, including lignite, anthracite, and bituminous coal. Utilizing a steel ball grinding mechanism within a rotary drum, this equipment ensures consistent particle size reduction suitable for cement plants, thermal power stations, and chemical industries. Its robust design integrates feeding, grinding, and air-swept transport systems to deliver high-quality coal powder for industrial combustion.

Key Performance Metrics

Operational Specs

43 t/h

Max Production Capacity

25 mm

Max Feeding Size

1250 kw

Max Motor Power

Suitable Industries

Cement Production, Thermal Power Generation, Metallurgy, Chemical Industry

Technical Specifications

Detailed Model Specifications

Model Spec (m)	Speed (r/min)	Capacity (t/h)	Fineness R80 (%)
!2.2x4.4	22.4	8-9	10-12
!2.4x4.75	20.4	12-14	8-10
!2.5x3.9	20	10	8-10
!2.8x5+3	18.3	16-17	8-10
!3.2x6.75+2	16.9	27-29	8-10
!3.8x7.25+3.5	16.4	41-43	12

System Components

Core Components

- Feeding device
- Main bearing
- Rotating drum
- Transmission gear system
- Discharging equipment
- High-voltage start-up device
- Lubrication system