

LM Series Vertical Mill

Brief Introduction:

[LM-series vertical mill](#) is one advanced mill, adopting top technology domestic and abroad, and based on many years' mill experiences. It can crush, dry, grind, and classify the materials.

LM series vertical milling machine can be widely used in such industries as cement, power, metallurgy, chemical industry, non-metallic mineral. It is used to grind granular and powdered materials into powder with required fineness.



Main Advanced Features:

1. Low Investment Cost

This mill itself can crush, dry, grinding, classifying, so the system is simple, and occupation area is about 50% of ball mill system. In addition, it can be installed outside, so it will reduce a large number of investment costs.

2. Low Operation Cost

(1) High efficiency: roller compacted materials directly onto the grinding disc, so power consumption is low. Compared with ball mill, it saves energy consumption by 30% ~ 40%.

(2) Less wear and tear: As the roller is not in direct contact with the disc, and material of the roller and liner is high quality, so life lime is long.

3. High Drying Ability

As the hot air inside contacts directly with the material, drying ability is higher, and it saves energy. By regulating the air temperature, it can meet requirements with different humidity.

4. Simple and reliable operation

(1) It is equipped with automatic control systems, so remote control makes it easy to

operate.

(2) It is equipped with one device, which prevents the roller from contacting with the liner directly, and avoids the destructive impact and severe vibration.

5. the stability of product quality

As the material stays in the mill for a short time, it is easy to detect and control the product particle size and chemical composition, to reduce duplication of milling, stable product quality.

6. Maintenance convenience

By repairing fuel tank, rotating the arm, it is fast to replace the roller sleeve, and liner, and reduce the downtime loss.

7. Environmental protection

It is with small vibration, low noise, and the overall sealing. The system works under negative pressure, so there is no dust going out. It meets the requirements of the state Environmental Protection.

Main Technical Data:

Ore Mill

| Contents Data\ Model | | LM130K | LM150K | LM170K | LM190K | LM220K | LM240K |
|---------------------------------|--------|---------|---------|---------|---------|---------|---------|
| Disc Dia. (mm) | | 1300 | 1500 | 1700 | 1900 | 2200 | 2400 |
| Capacity (t/h) | | 10~30 | 13~40 | 18~57 | 23~72 | 36~114 | 41~128 |
| Output fineness | micron | 170~45 | 170~45 | 170~45 | 170~45 | 170~45 | 170~45 |
| | mesh | 80~325 | 80~325 | 80~325 | 80~325 | 80~325 | 80~325 |
| Product moisture | | ≤1% | ≤1% | ≤1% | ≤1% | ≤1% | ≤1% |
| Max.input size (mm) | | <38 | <40 | <42 | <45 | <50 | <55 |
| Best input moisture | | <4% | <4% | <4% | <4% | <4% | <4% |
| input moisture(drying required) | | <15% | <15% | <15% | <15% | <15% | <15% |
| Inlet air temperature (°C) | | <350 | <350 | <350 | <350 | <350 | <350 |
| Outlet air temperature (°C) | | 70~95 | 70~95 | 70~95 | 70~95 | 70~95 | 70~95 |
| Main mill power (KW) | | 185~220 | 250~280 | 355~400 | 450~500 | 710~800 | 800~900 |
| Dimension | Lmm | 3500 | 4200 | 4700 | 8500 | 10200 | 11700 |
| | Wmm | 3400 | 3900 | 4500 | 5600 | 6700 | 7700 |
| | Gmm | 5800 | 7100 | 8300 | 8800 | 10600 | 12200 |
| Weight (t) | | 48 | 75 | 90 | 100 | 125 | 160 |

Notes:

1. Material should be with hardness less than 7 in Mohs.
2. Hot air is only necessary if outlet moisture is required to be less than inlet moisture.
3. When grinding material that is difficult to grind, please use the largest power.

Coal Mill

| Contents Data Model | LM130M | LM150M | LM170M | LM190M | LM220M | LM240M | |
|-----------------------------------|--------|--------|--------|--------|--------|--------|-------|
| Disc Dia. (mm) | 1300 | 1500 | 1700 | 1900 | 2200 | 2400 | |
| Capacity (t/h) | 10~15 | 16~22 | 20~28 | 26~35 | 35~45 | 40~50 | |
| fineness (R0.08) | <15% | <15% | <15% | <15% | <15% | <15% | |
| Coal powder moisture | <1% | <1% | <1% | <1% | <1% | <1% | |
| Max.input size (mm) | <38 | <40 | <42 | <45 | <50 | <55 | |
| input moisture | <15% | <15% | <15% | <15% | <15% | <15% | |
| Inlet air temperature (°C) | <350 | <350 | <350 | <350 | <350 | <350 | |
| Outlet air temperature (°C) | 75~95 | 75~95 | 75~95 | 75~95 | 75~95 | 75~95 | |
| Hardgrove index of raw coal (HGI) | >55 | >55 | >55 | >55 | >55 | >55 | |
| Main mill power (KW) | 185 | 250 | 315 | 400 | 500 | 560 | |
| Dimension | Lmm | 3500 | 4200 | 4700 | 8500 | 10200 | 11700 |
| | Wmm | 3400 | 3900 | 4500 | 5600 | 6700 | 7700 |
| | H mm | 5800 | 7100 | 8300 | 8800 | 10600 | 12200 |
| Weight (t) | 46 | 75 | 94 | 100 | 122 | 157 | |

Contact Us:

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