

European Hammer Mill

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European Hammer Mills are widely used in metallurgy, mining, chemical, cement, coal gangue, construction, sand, refractory material, ceramic and other industry, engaged in breaking and crushing the material in the operation. **European Hammer Mill** is mainly suitable for crushing various soft and hard ore. European Hammer Mill's compression strength is not higher than 320MPa.



Features of European Hammer Mill

1. High production capacity and high crushing ratio.
2. Low power consumption, uniform particle size.
3. Simple, compact and light mechanical structure.
4. Low investment cost, easy management.

Working Principle of European Hammer Mill

European **Hammer Mill** is mainly made up of frame, rotor, hammers, grizzly bar and other components. The frame includes upper part and lower parts, which are welded by steel plates after cutting, the remaining parts bolted into one. High manganese steel liners are studded with inside the frame, to facilitate replacement for a new liners after worn; on the main shaft are installed several groups of the spindle distribution of the hammers, which consists of rotor with the axle of hammers and rotary table. The host drives the main shaft through the motor and V-belt driven spindle to rotate the rotor, generating the centrifugal force, and then driving all hammers stretch around. The bulks of material feed into the crushing chamber will be crushed by the hammers at a high-speed movement. The broken material requested will be passed the grizzly bar at the lower part and discharged, the

unbroken rest will be left in the chamber to be crushed repeatedly by the hammers and iron plates until it can reach the requested standard. To avoid clogging, the water content of the material to be crushed should no more than 5%.

Technical Data of European Hammer Mill

| Model | EHM4008-75 | EHM4012-90 | EHM4015-132 |
|-------------------------------------|----------------|----------------|----------------|
| Diameter of the rotor (mm) | 750 | 900 | 1150 |
| Length of the rotor(mm) | 800 | 1200 | 1500 |
| Rotation speed of the rotor (r/min) | 800-1000 | 800-1000 | 700-1000 |
| Input size(mm) | <70 | <90 | <100 |
| Output size(mm) | 0-3 | 0-3 | 0-3 |
| Capacity (t/h) | 35-50 | 50-70 | 70-100 |
| Motor power(Kw) | 55-75 | 75-90 | 110-132 |
| No. of the hammers(piece) | 18 | 32 | 32 |
| Dimension(L*W*H/mm) | 2310*1665*1610 | 2840*2100*2020 | 3720*2650*2540 |

Note: Any change of **European Hammer Mill** technical data shall not be advised additionally.

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