

HXJQ[®]

China Largest Mining Machinery
Manufacturer

Operating Instruction

COMBINATION CRUSHER



Henan Hongxing Heavy Machinery Co., Ltd.

The Handling Materials of Combination Crusher:

Combination crusher is suitable for crushing limestone, clinker, coal and other ores in building material, mine, metallurgy and chemical industry,

and the compression strength of the materials to be crushed should not exceed 140MPa and the humidity should not be higher than 15%.



The Application and Features of Combination Crusher:

Combination crusher is suitable for crushing all kinds of medium hard ores in mine, metallurgy, refractory, cement, coal, glass, ceramics and power plant. Its main features are big crushing ratio, high output (1.4 times higher than that of the same crushing plants in domestic market), high efficiency and energy conservancy; and the

easy-wearing parts use wear-resisting materials with high hardness, high toughness and complex alloy so that its service life is improved by 2-3 times and the gap between the hammer and the impacting plate is adjustable so that it can satisfy the needs of different granularities.



Features

1. Its structure is simple and reasonable and operational cost is low. It uses “stone impacting stone” principle so that the abrasion is small.
2. It has high crushing ratio and is energy saving.
3. It has the functions of both fine crushing and coarse grinding.
4. The water content in the materials to be crushed has little influence on this machine and the water content can reach about 8%.
5. The working noise is below 75db and the powder dust pollution is less.
6. It is suitable for crushing medium hard and super hard materials.
7. The final products are in the shape of cube with big density and the iron pollution is less.
8. The impeller is convenient to maintain.



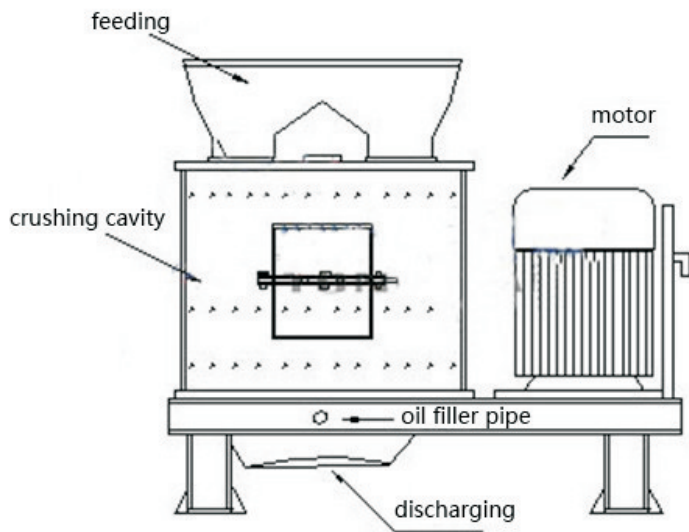
Characteristics:

Processing capacity: 12-1000t/h

Discharge opening: 3-60mm

Feeding size: 35-300mm

Applied material: barite, marble, talcum, calcite, dolomite, fluorite, kaoline, coal, gypsum.



Technical data :

Model	800	1000	1250	1500	1750	
Rotor diameter (mm)	650	800	1000	1250	1560	
Cylinder height(mm)	800	850	850	1000	1410	
Main shaft rotation speed (r/min)	1350	970	740	650	600	
Feeding size(mm)	50	70	100	100	100	
Discharging size (mm)	0-5	0-5	0-5	0-5	0-5	
Processing capacity (t/h)	5-15	10-30	20-60	30-80	40-100	
Motor	Power(kw)	30	55	75	110	132
	Rotation speed	1440	1440	750	750	750
Dimensions(L×W×H) (mm)	2200×860×1980	2700×1160×2000	2800×1400×2730	3100×1900×2300	3350×2100×2800	
Total weight (t)	2.3	4.5	9.73	18.1	26.61	

Working principle:

Massive ores fall on the material dumping plate inside the crushing chamber, and under the eccentric force, it throws the materials onto the internal wall of the cylinder, and the materials will violently hit the impact plate installed on the internal wall, and at the same time, the materials hit with each other, so that the materials will be crushed or a lot of hairline fissure will be produced. When the materials go into cone rotor chamber and spirals down in the cone space, after impacting and squeezing, the materials with fissure will be further crushed. Due to the slope between the

cone rotor and the lining plate, the small materials are pushed to move down to automatically realize classification and crushing from big size to small size. Inside the cone rotor chamber, the materials are impacted by the hammer, and the materials running with high speed will hit with the impacting plate again, and the materials will also hit with each other, thus improving the crushing efficiency.

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- **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