



Crusher



V-FLO GROUP OF COMPANIES LTD.

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1. Jaw Crusher

(1) Application

BREAK-DAY is a trusted and reliable brand for its high quality and good manufacturing. It specializes in producing **Jaw Crusher** which is widely used in mining, quarry, material handling. Our company has been a manufacturer and exporter of the crushers for decades.

Over these years, our company has gathered specialists and experience in designing and manufacturing various models of Jaw Crushers. By constant research, our engineers have been able to develop machines that have good performance and easy maintenance. The structure of Jaw Crusher includes Main Frame, Main Axle, Roller Bearings, Eccentric Shaft, Jaw Plates, Side Plates, Toggle Mechanism, Fly Wheels and Springs.

Our Jaw Crushers are ideally suitable for primary and secondary crushing, with low power consumption and easy maintenance. Every feature of Jaw Crushers has been carefully designed to provide superior quality and performance. Jaw Crushers are widely used for crushing various materials like stone, granite, trap rock, coke, coal, manganese ore, iron ore, emery, fused aluminum, oxide, fused calcium carbide, lime stone, quartzite, alloys, etc. These crushers are recommended by leading consultants in this field and are used by hundreds of customers all over the world.



(2) Features

- Jaw Crusher is of various types.
- Jaw Crusher is suitable for crushing maximum, medium and minimum stones.
- The operating principle of Jaw Crusher is easy to be operated.
- The structure of Jaw Crusher is simple and it is easy to maintain.

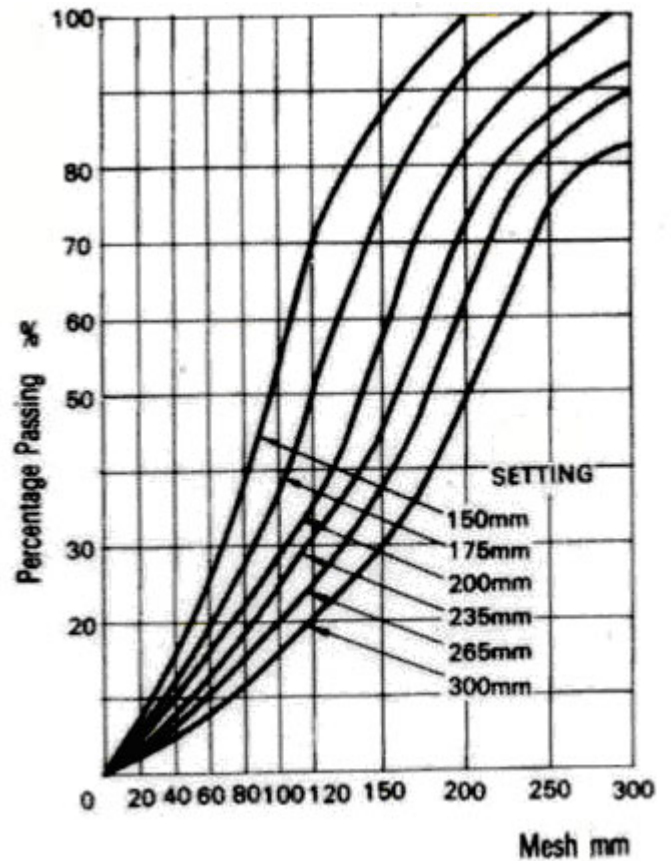
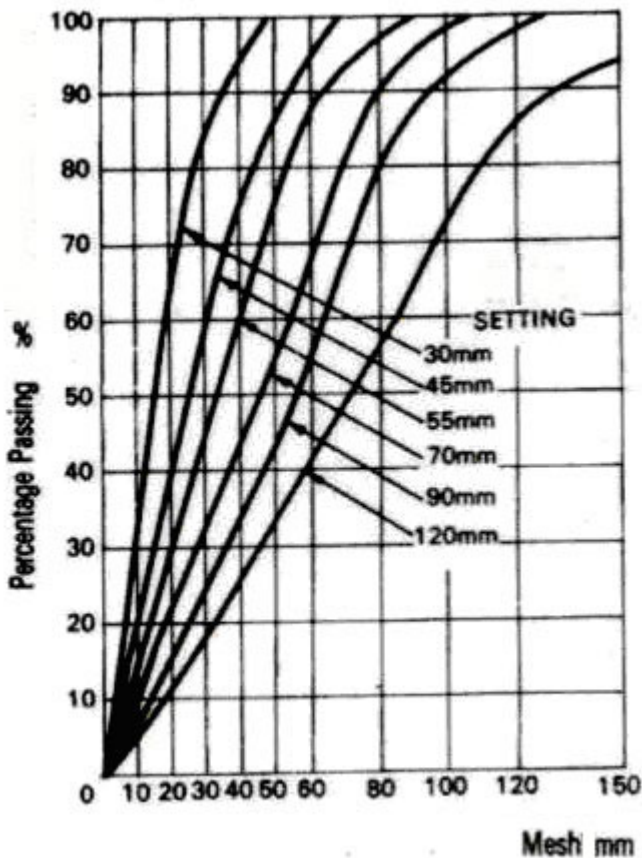
(3) Operating Principle

The motor drives the belt wheel, and makes movable jaw up and down by eccentric shaft. When the movable jaw down, the angle between the fixed jaw and movable jaw gets smaller, and the materials can be crushed to reach the crushing target. When the movable jaw rises, the angle between the fixed jaw and movable jaw becomes larger. The movable jaw plate leaves the fixed jaw plate under the function of drawbar and spring, and then the crushed materials are discharged from the lower outlet of the crushing

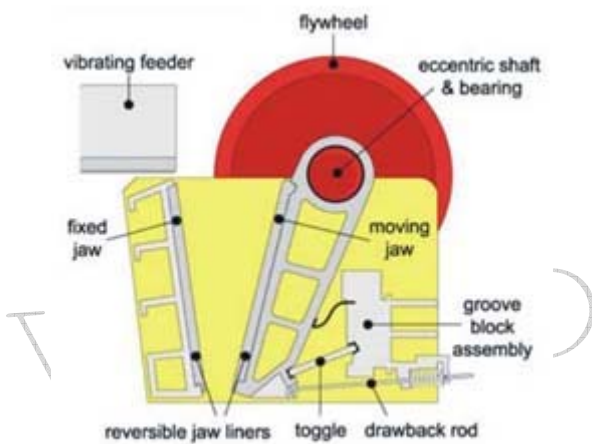
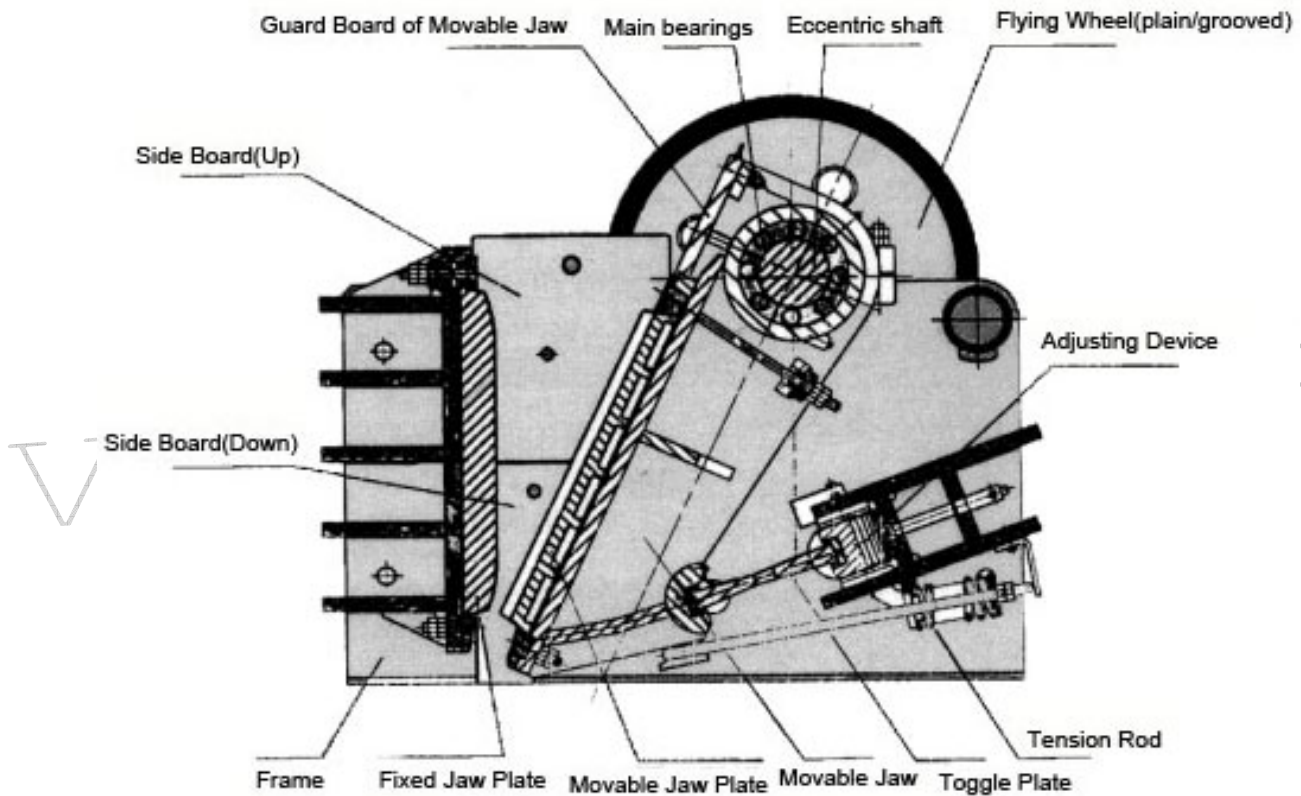
(4) Specifications

Model	Size of Feeder Opening (mm)	Max. Feeding Size (mm)	Setting Adjustment Range (mm)	Capacity (t/h)	Motor Power (KW)	Overall Dimensions (mm)	Weight (t)
PE250×400	250×400	200	20-50	5-20	15	1430×1310×1340	3
PE400×600	400×600	350	40-100	15-60	30-37	1700×1732×1653	7
PE500×750	500×750	425	50-100	40-110	45-55	2035×1921×2000	12
PE600×900	600×900	480	60-160	90-180	55-75	2290×2206×2370	17
PE750×1060	1060×750	630	80-140	110-320	90-110	2655×2302×3110	29
PE900×1200	900×1200	750	95-165	220-450	110-132	3800×3166×3045	52
PE150×250	150×250	125	10-40	1-3	5.5	896×745×935	1.5
PE150×750	150×750	125	18-48	5-16	15	1200×1500×1200	3.8
PE250×750	250×750	210	25-60	15-30	22-30	1667×1545×1020	5
PE250×1000	250×1000	210	25-60	15-50	30-37	1550×1964×1380	7
PE250×1200	250×1200	210	25-60	20-60	37-45	2192×1900×1950	8.5

(5) Jaw Crusher Model and Capacity (t/h) at Close Side Setting



(6) Structure Chart



The above diagram includes the following parts:

1. Chassis;
2. Bearing housing;
3. Wheels;
4. Axis eccentric;
5. Fixed jaw and mobile jaw;
6. Coatings crushing chamber;
7. System adjustment setting;
8. Pulleys belts and transmission protection;
9. Electric Motor;
10. The engine base can be made by concrete according to the customer's local spot. The semi-movable steel frame can be made in the seller's factory.

2. HPC Series Cone Crusher With High-efficiency



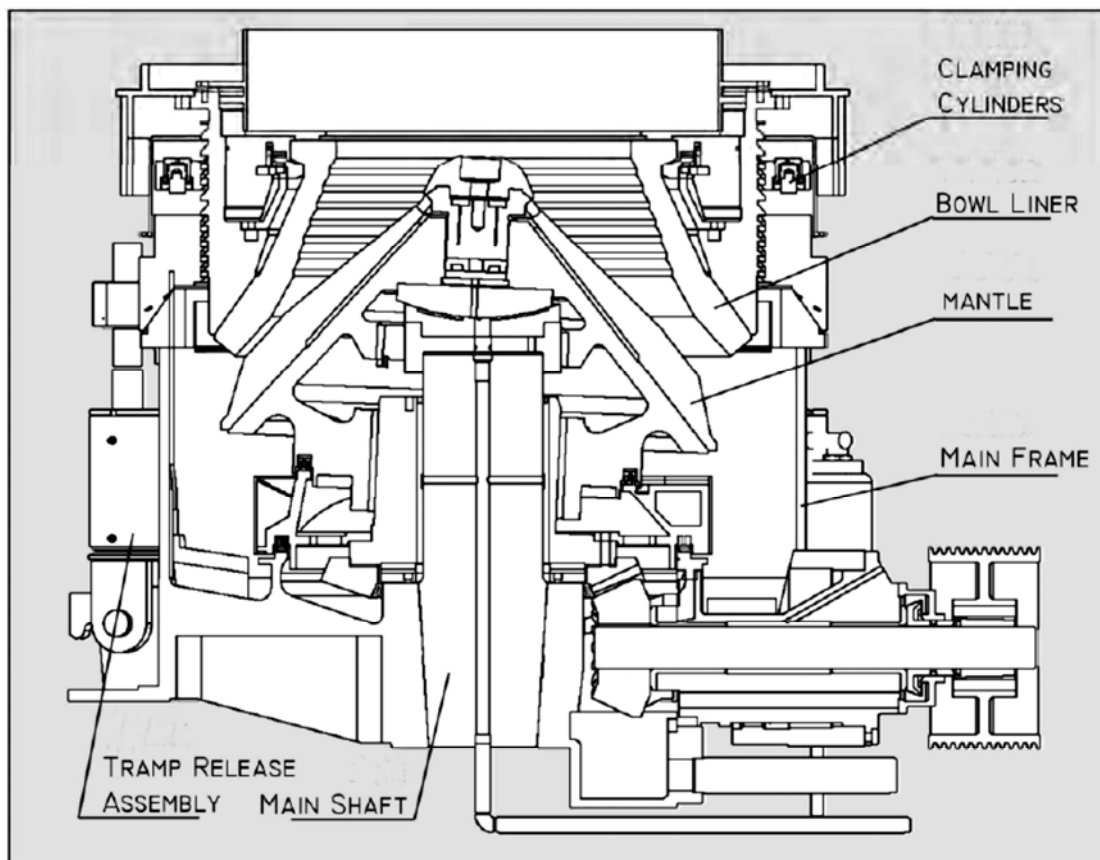
(1) Application

HPC series cone crusher with high-efficiency and hydraulic pressure was widely used in mining, concrete factory, sandstone making, etc. The machinery's pressure resistance strength is under 350Mpa. And they are widely suitable for primary crushing of many kinds of mining and rock such as many kinds of ores, concrete, fireproof material, bauxite, quartzite, corundum, perlite, ironstone, basalt, etc.

(2) Features and Benefits

1. The new series of HPC cone crusher with high-efficiency and hydraulic pressure equipment is adopted three protecting equipment such as protecting oilcan, locking oilcan and hydraulic driving oilcan. They not only protect the machinery, but could deal with troubles without disassembly the parts.
2. The equipment also can adjust the size of final material. The machinery with high dependability operated very expediently.
3. The crushing chamber specially designed according to particles sink principal and its matching speed can sharply increase the crushing ratio, output and content percentage of cubical product in final crushed material.
4. In the special circumstances such as irons was feed into the crushing chamber together with the materials and there is a jam in the crushing chamber, the hydraulic equipment could open the cover automatically, then the products could output successfully. It greatly reduced the trouble of stopping the machine to output the products artificially. Which makes the maintenance more convenient and with low cost.
5. It is adjusted by hydraulic device and lubricated by the dilute oil. And with locking sleeve assembly, it can overcome the trouble of oil and water being mixed together.
6. The concave and mantle made by high manganese steel. Owing to the change of the concave's style and the protect of the crushed products, The abrasion of the machine is reduced greatly and can last long compared with the old cone crusher.

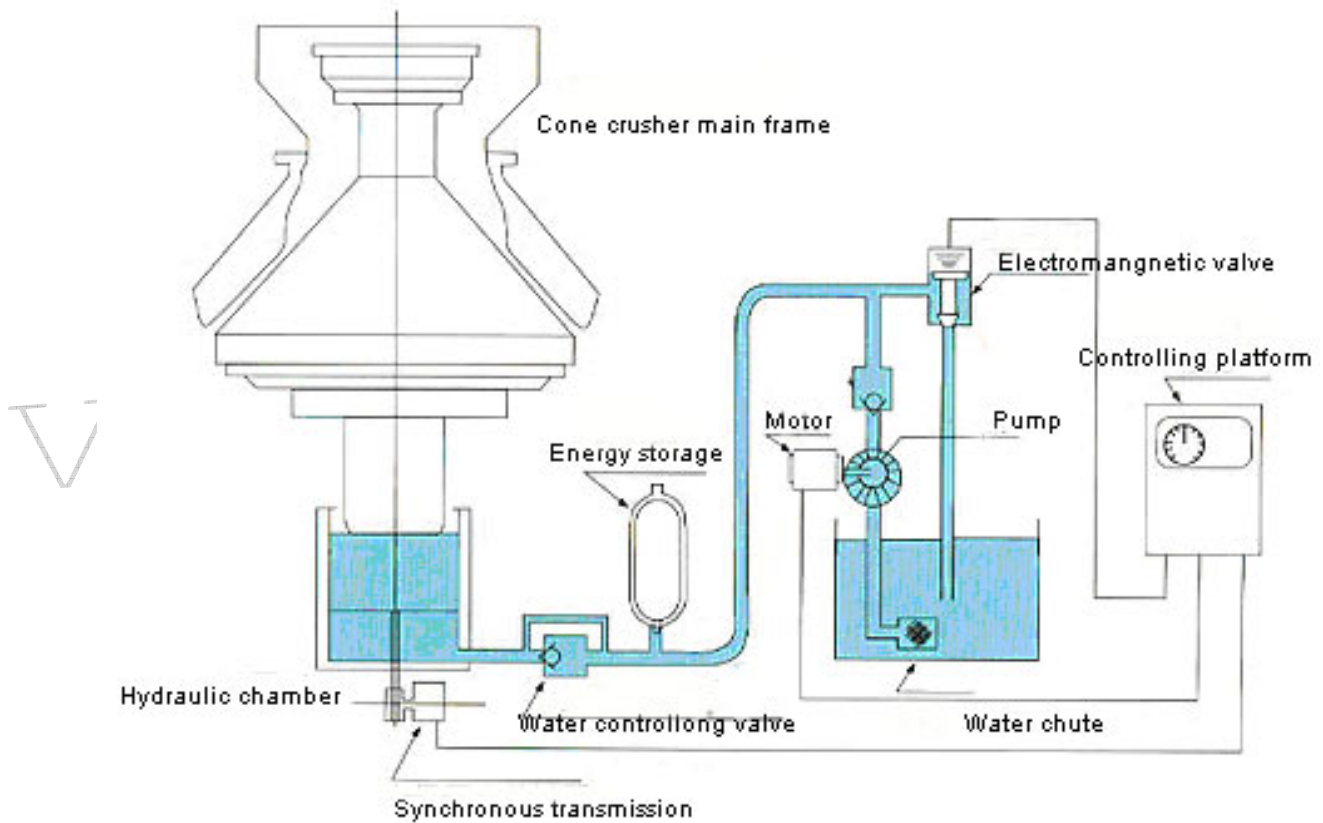
(3) Structure diagram



(4) Technique Parameter

Model	Cavity (Coarse/ Fine)	Mini Size of Closed Outlet Side Setting (mm)	Feed Opening (mm)	Capacity (t/h)	Power (kw)	Weight (t)	Movable Cone Diameter (mm)
HPC-160	C	13	150	120-240	160	13	950
	F	6	76	55-180			
HPC-220	C	13	225	150-430	220	18	1160
	F	6	86	90-260			
HPC-315	C	13	290	190-610	315	26	1400
	F	6	100	108-320			
HPC-400	C	13	320	230-700	400	33	1500
	F	8	110	145-430			

(5) Structure Chart



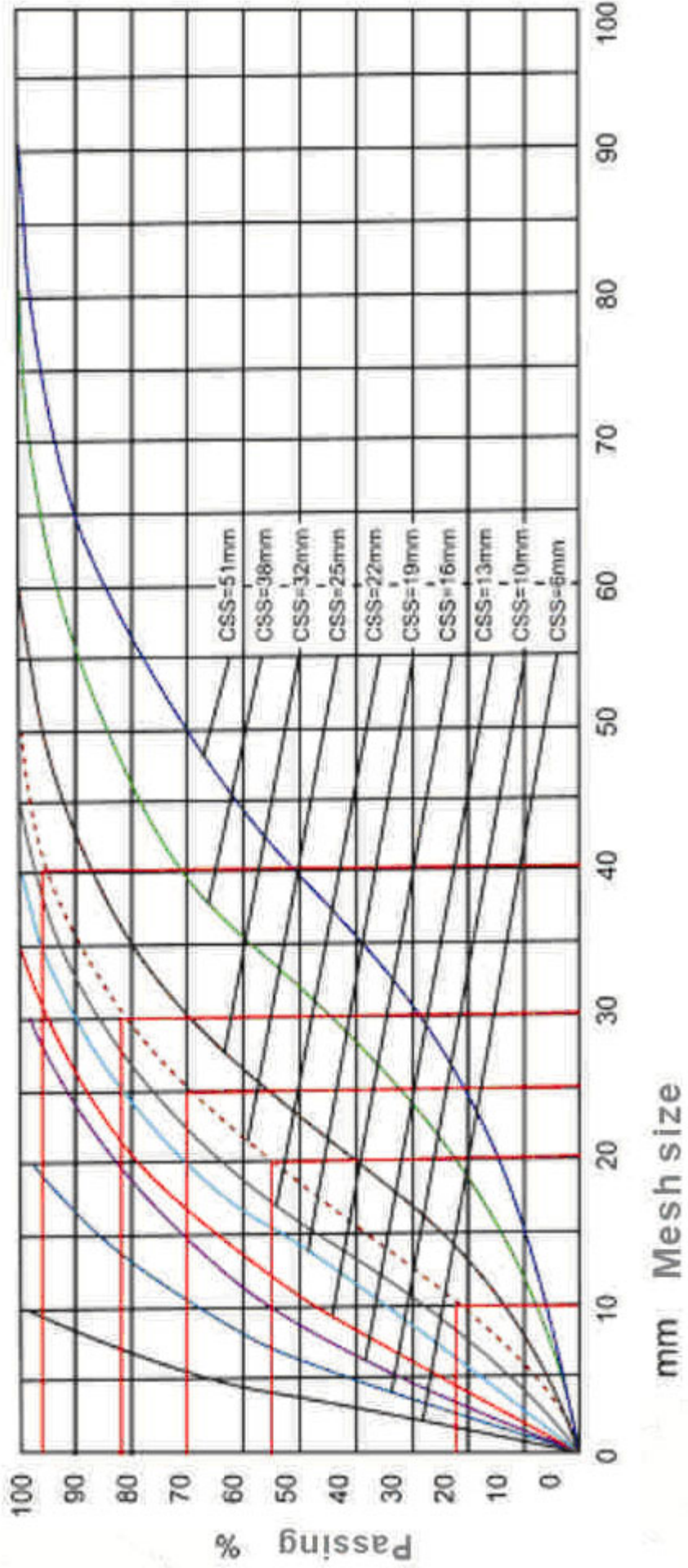
(6) Model and Capacities (t/h) at Close Outlet Side Setting

	6	8	10	13	16	19	22
HP160	55-75	60-90	80-115	110-145	130-170	140-180	150-190
HP220	80-95	100-130	110-140	145-185	175-220	190-240	200-260
HP315		115-150	130-175	180-230	220-280	240-320	260-340
HP400		140-170	170-220	225-290	270-350	310-400	335-430

	25	32	38	45	51
HP160	160-210	180-230	200-240		
HP220	220-280	240-320	290-380	340-430	
HP315	280-370	310-430	350-490	400-550	450-610
HP400	355-450	395-530	435-600	500-680	560-700

(6) Cone Crusher Model and Capacity (t/h) at Close Side Setting

Product Gradation Table (% passing through square mesh depending on the setting) of cone crusher





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