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Hydraulic Cone Crusher



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Hydraulic Cone Crusher Application:

SMH series hydraulic cone crusher adopting world advanced technology is designed and made through to be the crusher of world advanced level. it is widely used in metallurgical, architectural, water and electricity, traffic, chemical, architectural material industries. It is suitable for crushing varies of mid hard and above mid hard ores and rocks.

Hydraulic Cone Crusher Feature and Advantage:

SMH Series high efficiency Hydraulic Cone Crusher has a better performance compared with other ordinary Hydraulic Cone Crusher:

1、 A high crushing ratio and production efficiency

The connection of higher turning speed and stroke makes the rated power and passing capacity improved greatly and the crushing ratio and capacity increased.

2. Less spare part consuming and low operation cost

Advanced crushing principle and technical data, reliable operation and low operation cost. All parts of the crusher have anti-wearing protection, which can make the life time of spare parts increased by 30% and the maintenance costs decreased to the

lowest. The crusher avoids the disadvantages of impact crusher like low average crushing ratio, large energy consumption, fast abrasion of hammer, impact plate and lining board.

3. Between-layer pressuring crushing and better finished product shape

The crusher adopts between-layer pressuring crushing principal and the suited turning speed, not the traditional single particle crushing principal. The special crushing cavity can makes the crusher crush materials selectively, thus the proportion of fine product and products of cubic shape be increased distinctly and products of lump size decreased by a large extent.

4. Hydraulic protection and hydraulic cavity clearing, high automatization and less stop production and repairing time.

The discharge opening adjusted by hydraulic and overload protection makes performance of the crusher increased by a large extent, the maintenance and operation easier, the repairing time shorter.; the bidirectional metal releasing hydraulic vat makes slab pass through crushing cavity; the crusher can discharges materials automatically when the hydraulic works under the conditions of iron passing and instantaneous overloading, thus there is no trouble of stopping the crusher to discharge materials by hand.

5. Thin oil lubrication makes the life time increased

Unique design of thin oil lubrication system prolongs life time of the crusher, high performance and not touchable labyrinth airproof part blocks off the dust and remove the common disorders like the mixture of oil and water in spring cone crusher.

6. Manifold crushing cavity, flexible application, strong adaptability

It is only need to change fixed cone lining board and movable cone lining board; the type of crushing cavity can be changed from standard coarse cavity to short head fine cavity, which can meet various kinds of need,.

7. Easy maintenance and operation

All parts of SMH Hydraulic Cone Crusher can be assembled, disassembled and repaired from the top and side part, including the fixed cone and movable cone. For the changing no need to disassemble the crusher body and fasten the bolts. Hydraulic

motor makes the performance of crusher better.

8. The crusher can provide customers a higher capacity, better product shape, and easy be operated.

Model	Max Feed Size	Discharge Range	Motor Power	Capacity(t/h)- open circuit, closed discharge(mm)											
				9	13	16	19	22	26	32	38	51	63		
SMH120C	160	22	75-90	40-70	60-85	80-100	90-110	100-120	110-130	140-160					
SMH120M	130	13													
SMH120F	50	8													
SMH180C	180	22	132-160	50-80	80-110	100-135	120-155	140-185	160-195	180-215					
SMH180M	140	13													
SMH180F	60	8													
SMH250C	240	25	160-220	70-90	90-110	115-140	130-160	150-190	200-250	250-300	300-350	350-420			
SMH250M	150	16													
SMH250F	80	10													
SMH450C	330	32	315-375	100-130	130-180	170-205	210-255	250-295	300-345	350-395	400-485	500-600			
SMH450M	240	22													
SMH450F	90	13													

The capacity charts is for properly using SMH cone crusher and get to its capacity. Crusher is component of mining production line, so it's character result from feeder, conveyor, screen, electric motor, drive part, surge bin. Noticing follow factors can enhance crusher capacity and character.

- 1、 choose the right crushing cavity according to the materials be crushed;
- 2、 the feeding size should be right
- 3、 Materials distributed equally around the round of crushing cavity;
- 4、 Automatically control system;
- 5、 Discharge opening of cone crusher works normally;
- 6、 the model of belt conveyor be seasoned with the max processing ability of the crusher;

For further details, please visit our website: www.yfcrusher.com .

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