

HCS90 Cone Crusher

The HCS90 type [cone crusher](#) with high-efficiency and single cylinder hydraulic pressure is a kind of high-tech crusher to meet the requirements of developed countries. It is designed by our company who brings in the USA technology, and combines with the China metal material function.



Advantages:

1. High efficiency: The main axle has support both on the high and low sides which can stand more stave strength and stroke. In addition to special stave cavity shape which adapts with the lamination principle, enables this machine has higher crushing efficiency.
2. High production: This machine is designed consummately which combined the will break stroke, the broken speed and the future of broken cavity, so that under the same moving identical cone big end diameter condition, the output is higher than the old-fashioned damaged spring cone output about 35% ~60%.
3. High-efficiency cobblestone: This machine adopts the proper broken cavity shape and broken principle of lamination, produces broken effect among particles, thereby increases the cube proportion of finished product obviously, decreases the needle schistose cobblestone, and the grade is more homogeneous.
4. It only needs to change the fix cone to meet the needs of various cavity middle and thin break. Double assurances control the hydraulic pressure and lubricating system to ensure the overload protection and fine axle bearing lubricates. Convenient maintenance: The structure this machine is simple but compact, which have a convenient maintenance.

Application:

The HCS90 type cone crusher with high-efficiency and single cylinder hydraulic pressure applies to metal mine, metallurgical, chemical, building, cement and sandstone industry etc. It can be used as secondary and tertiary crushing to process materials with the Knoop number hardness $f=$ mine 5-16's, such as sum rock, non-ferrous metal ore, granite, limestone, quartzite, sandrock, cobblestone etc.

Main Technical Data:

1. technology parameter

Feeding widden(mm)	135(100、 80、 50)four types
Max feeding widden(mm)	110(80、 65、 40)
Discharging range(mm)	6-28
Power (Kw)	(75~110)
Max permitting dimension(mm)	<40
Overall dimension length ×widden ×hight(mm)	2581×1550×3276
weight(t)	9.5

2. lubricate pressure system parameter

Oil motor power(Kw)	1.5
Oil motor pressure(MPa)	16
Oil box cubage(L)	100

3. hydranlic pressure system parameter

Oil motor power(Kw)	2.2
Oil motor pressure(MPa)	1.0
Oil box cubag(L)	800

4. capacity

	discharge(mm)	production(t/h)
Model A crushing cavity	16	65-75
	18	70-85
	22	85-105
	28	110-130

Model B crushing cavity	11	45-55
	13	55-65
	16	65-75
	20	80-100
Model C crushing cavity	9	25-35
	11	40-50
	13	50-60
	16	60-70
Model D crushing cavity	6	20-25
	7	25-30
	8	30-35
	10	35-45

Note: This specification is just for reference, any changes are subject to the **HCS90 Cone Crusher** products.

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