

HCS90 cone crusher machine

HCS90 cone crusher machine brief introduction:

SBM Single-cylinder Hydraulic Cone Crusher (sales code: HCS90) is a kind of high efficiency cone crusher machine which is designed to meet the requirements of developed countries by SBM who brings in the USA technology and combines with China metal material function. This cone crusher is the best choice to efficiently crush hard materials at a low cost.

HCS90 cone crusher machine is suitable for:

HCS90 cone crusher is widely applied in cement industry, mining and construction, sand making industry, metallurgical industry, metal mining industry, etc. It can be used as secondary and tertiary crushing to process all kinds of raw materials with Knoop hardness $f = \text{mine } 5\text{-}16\text{'s}$, such as ironstone, non-ferrous metal ores, granite, limestone, quartz rock, sand rock, cobblestone, etc.

HCS90 cone crusher machine features and benefits: ????

1) High Efficiency:

The main axle have 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 crush stroke , the crush speed and the feature of crush 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-quality end product:

This cone crusher machine adopts the proper crush cavity shape and crush principle of lamination , thereby increases the cube proportion of finished product obviously, decreases the needle schistose stone, and the grade is more homogeneous

4) It cone crusher only needs to change the fix cone to ensure secondary and tertiary crushing in various cavity.

5) Double insurance control of the hydraulic pressure and lubricating system to ensure the overload protection and good bearing lubricates

6) Convenient Maintenance: The structure this cone crusher machine is simple but compact, which have a convenient maintenance.

HCS90 cone crusher machine structure:

SBM HCS90 cone crusher machine consists of feeder hopper, top frame, fix cone, pedestal, discharging hopper, transmission shaft, triangle strip, motor, etc. The auxiliary equipments of cone crusher include hydraulic lubrication station and electric control box, etc.

HCS90 cone crusher machine working principle:

The motor drives the eccentric shaft bushing through triangle strip, transmission shaft and transmission gear. The fix cone makes circle movement at the force of eccentric shaft bushing, and close to the mantle from time to time. Raw materials are crushed during the process and are later discharged at the bottom.

HCS90 cone crusher machine specification:

Feeding widden(mm)	135(100, 80, 50)four types	
Max feeding widden(mm)	110(80, 65, 40)	
Discharging range(mm)	6-28	
Power(Kw)	75~100	
Max permitting dimension(mm)	<40	
Overall dimension length×widden×hight(mm)	2581×1550×3276	
weight(t)	9.5	
[HCS90 Cone Crushers lubricate pressure system parameter :]		
Oil motor power(Kw)	1.5	
Oil motor pressure(MPa)	16	
Oil box cubage(L)	100	
[HCS90 Cone Crushers hydranlic pressure system parameter :]		
Oil motor power(Kw)	2.2	
Oil motor pressure(MPa)	1.0	
Oil box cubage(L)	800	
[HCS90 Cone Crushers crushing cavity :]		
Model	Discharge(mm)	Production(t/h)
A	16	65-75
	18	70-85
	22	85-105
	28	110-130
B	11	45-55
	13	55-65
	16	65-75
	15	80-100
C	9	25-35
	11	45-50
	13	50-60
	16	60-70
D	6	15-25
	7	25-30
	8	30-35
	10	35-45

