

HP Series Multi-Cylinder Hydraulic Cone Crusher

High-Performance Multi-Cylinder System: Equipped with multiple dual-acting hydraulic cylinders for periphery locking and tramp release, providing superior structural clamping force and reliable overload protection.

Large Stroke & High Crushing Frequency: Combines optimized eccentric throw, high rotation speed, and maximum power rating to dramatically increase material throughput and hourly capacity compared to traditional crushers.

Superior Cubical Product & More Fines: Promotes highly efficient inter-particle (layer) crushing action, which significantly reduces flaky/elongated aggregates and maximizes the production of premium-quality cubical fine materials.

Hydraulic Motor Adjustment & Clearing: Features an advanced hydraulic motor that drives the bowl rotation for precise, automatic CSS adjustment. In case of sudden power shut-down, the dual-acting cylinders can raise the bowl hydraulically to clear the cavity in minutes.

No-Backed Liners System: Designed with advanced precision-machined seat surfaces, eliminating the need for pouring messy backing compounds when replacing liners, saving significant maintenance labor and downtime.



Model	Cavity Type	Max. Feeding Size(mm)	Discharge Opening(mm)	Main Shaft Speed (r/min)	Capacity (t/h)	Motor Power (kw)	Theoretical Weight (t)
HP100	Fine	35	3-12	750-1200	45-55	90	5.4
	Medium	65	6-16		60-90		
	Coarse	115	9-25		55-110		
HP200	Fine	38	3-14	750-1200	90-120	160	10.4
	Medium	75	6-16		120-150		
	Coarse	150	10-25		140-220		
	Extra Coarse	185	13-38		160-250		
HP300	Fine	45	5-16	750-1200	115-140	250	15.81
	Medium	95	8-22		150-260		
	Coarse	190	13-38		180-380		
	Extra Coarse	240	16-45		200-440		
HP400	Fine	50	6-19	700-1000	140-175	315	23.01
	Medium	115	10-25		185-370		
	Coarse	225	16-38		225-490		
	Extra Coarse	300	19-51		255-560		
HP500	Fine	65	8-22	700-950	175-220	400	33.15
	Medium	140	12-32		230-405		
	Coarse	275	19-45		320-510		
	Extra Coarse	345	22-51		345-580		
HP800	Fine	90	10-25	700-950	280-550	630	68.65
	Medium	200	16-38		450-850		
	Coarse	335	22-51		600-1100		
	Extra Coarse	420	25-55		750-1420		