HC Cone Crusher

Link: Gallery Get this product price

HC cone crusher is the international advanced cone crusher that adopts a crushing technology, hydraulic technology, computer control technology and advanced manufacturing technology. HC cone crusher is widely used in mining process and stone's second and tertiary and superfine crushing, that can meet the most demanding conditions and adjust different types and hardness of the ore.

Features of HC Cone Crusher

HC cone crusher adopts alloy steel frame body, alloy forged spindle, spiral face gears. Its structural features are small size, light weight, great power, durability. Self storage operating system, fast assembly and disassembly liner, curve chamber design make the cone crusher has the features of large processing capacity, lower operating cost and failure rates.

1. The up and down frame body of crusher is alloy steel, through FEM finite element analysis by computer design, the frame body is more solid.

2. Spindle with alloy forging can withstand the overweight force of crushing. Main shaft, eccentric shaft and eccentric bushing are combined with each other. Through the rotating eccentric bushing can be easily implement multiple eccentricity in order to adjust different ore and mining requirements.

3. Spiral bevel gear surface transmission, big torque and high efficiency. According to the principle of laminated material and characteristics of parietal wear, the curve crushing chamber can ensure the large production, high quality, low cost of wear and tear.

4. According to modular design, lubrication system, hydraulic system can run independently. Through the chain with the main frame can achieve the protection of oil temperature electric flow, pressure, power, abnormal power supply.

5. Self-operation system can achieve overload protection, over-iron protection, and automatic compensation for liner wear. Through feeding with crowded warehouse, it can make crusher maximize its effectiveness.

Working Principle of HC Cone Crusher

Through motor driven small and big bevel gear, crusher can achieve the eccentric rotation of movable cone. When machine is in normal operation, one can through pumping to inject or discharge oil to adjust the discharge opening large or small. When iron through, put hydraulic oil into accumulator. After that, hydraulic accumulator press oil back, then crusher can run normally.

Technical Data of HP Cone Crusher

Model	Main shaft speed(rpm)	Eccentric distance(mm)	Motor power(kw)	Weight(kg)
HC100S	360	16-25	90	7100
HC200S	340	16-30	150	13200
HC300S	285	20-36	220	19500
HC100	395	13-28	90	5400
HC200	360	16-36	150	9400
HC300	320	16-36	250	14500
HC400	290	18-50	315	24200

Model	Chamber Type	Max.feeding size(mm)	Capacityt/h:Capacity,Metric tons per hour											
			CSS											
			16	19	22	25	29	32	35	38	41	44	48	51	54
HC100S	EC	240		80	90	120	160	175	150	130					
	C	200	68	75	10	13	11	10							

					2	3	7	2							
HC200S	EC	360			122	131	180	243	258	325	343	360	320	269	225
	C	300		104	142	152	209	267	284	299	316	277	189		
			25	29	32	35	38	41	44	48	51	54	57	60	64
HC300S	EC	450		248	264	350	371	468	493	630	550	479			
	C	400	215	295	314	400	423	536	470	418	350				
			4	5	6	8	10	13	16	19	22	25	29	32	35
HC100	EC	130					48	89	97	104	110	118	127	134	103
	C	90					56	93	101	108	116	124	110	74	
	M	64				46	78	84	80	62					
	MF	48			38	70	74	71	56						
	F	38	35	51	52	56	60	50	40						
EF available			6	8	10	13	16	19	22	25	29	32	35	38	41
HC200	EC	190				113	157	169	179	191	207	218	230	218	174
	C	145				138	149	160	170	182	196	207	197	156	120
	MC	115			60	147	158	170	182	193	168	152	123		
	M	90			88	138	149	160	170	161	137	109			
	MF	65		64	111	121	130	132	120	97					
	F	50	82	87	92	101	108	110	100	81					
EF available			10	13	16	19	22	25	29	32	35	38	41	44	48
HC300	EC	210			210	290	309	329	355	374	395	415	434	403	320
	C	170		10	22	30	32	34	37	39	37	35	27	24	

				6	9	7	7	8	7	7	8	2	6	0	
	MC	140		128	275	296	316	336	363	344	322	254	221		
	M	105		196	292	313	334	356	314	295	233	204			
	MF	80	120	238	257	276	295	314	277	260	206				
	F	65	185	201	216	232	248	263	233	218	172				
EF available			13	16	19	22	25	29	32	35	38	41	44	48	51
HC400	EC	300		186	355	458	487	526	574	605	635	665	695	663	536
	C	210		200	385	504	535	579	611	643	675	643	538	426	371
	MC	170		266	447	478	508	549	580	610	524	488	382	303	
	M	130		310	462	494	525	567	527	504	423	389			
	MF	100	202	387	416	444	472	510	473	408	381				
	F	75	319	344	370	395	420	454	421	363	339				
	EF	55	295	318	313	304									

EF = Extra fine

F = Fine

MF = Medium fine

MC= Medium coarse

M = Medium

C = Coarse

EC = Extra coarse

The capacity is based on granite, the density of aggregate is 1.6t/m3.

Note: Any change of **HC Cone Crusher** technical data shall not be advised additionally.

Our Senior Manager

Kevin

Johnny

Peter

Contact Us

Shanghai

Tel: +86-21-58385016

Fax: +86-21-58377628

E-mail: **sales@kefidinc.com**

Zhengzhou

Tel: + 86-371-67999255

Fax: +86-371-67998980

E-mail: **david@kefidinc.com**

Products	Gallery
Mobile Crushing Plant Crawler Mobile Crusher Mobile Jaw Crusher Mobile Impact Crusher Mobile Cone Crusher Mobile VSI Crusher **Stationary Crushing Plant** Jaw Crusher Impact Crusher Cone Crusher VSI Crusher **Aggregate Production Line** Stone Crushing Plant Sand Making Plant **Grinding Mill** Vertical Mill MTW Series Trapezoid Mill European Hammer Mill Micro Powder Mill Trapezium Mill High Pressure Mill Raymond Mill Ball Mill	**Crushing** Mobile Crushing Plant Stationary Crushing Plant Jaw Crusher Impact Crusher Cone Crusher VSI Crusher **Aggregate Production Line** **Grinding Mill** Vertical Grinding Mill MTW Series Trapezoid Mill Micro Powder Mill Trapezium Mill High Pressure Mill Raymond Mill Ball Mill European Hammer Mill **Screening & Washing** Vibrating Screen Sand Washing Machine **Feeding & Conveying** Vibrating Feeder Belt Conveyor