HC Cone Crusher

HC Series single cylinder hydraulic cone crusher is the international advanced cone crusher. It adopts crushing, hydraulic, computer control technology, advanced manufacturing technology, and other latest researching results. It is widely used in the work of medium-size crushing, fine crushing and super fine crushing that can meet the toughest working conditions and has the characteristics of meeting the requirements of different types and hardness stones.

HC series cone crusher adopts alloy steel frame body, alloy forged spindle, spiral face gear transmission, having the structural features of small size, light weight, large power and durability. Self-storage operating system, fast assembly and disassembly liner, curve crushing cavity designs make it has large processing capacity, lower operation cost and failure rate.

Main Features:

1.Top and bottom body are alloy steel, which make the body more durable and robust through computer FEM finite element analysis design. Adopts alloy forged mainshaft, and can bear overweight crushing force.
2.The main axis, eccentric, eccentric bushing combined together. By rotating the eccentric can easily set multiple eccentricities, which can meet requirement of different minerals and mining.
3.Spiral bevel gear surface transmission makes it torque, efficiency.
According to the parietal broken principle and laminated material wear characteristic, the curve

crushing chamber can ensure the large production, high quality, and low wear and tear cost of the crusher.

4.Lubrication system and hydraulic system adopt modular design, and they run independently. They chain with the host, enabling the protection of the oil temperature, flow, pressure, power, and abnormal power supply.

5.Self-operation system can achieve overload protection, over-iron protection and automatic compensation of liner wear during crushing operations. Feeding through crowded warehouse can maximize the effect of the crusher.

6.Technical Parameter of HC Cone Crusher.

Technical Parameter:

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	102	133	117	102							
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		106	229	307	327	348	377	397	378	352	276	240	
	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.

The technical data is only for reference, it is not considered as our guarantee. Please consult Kefid Machinery for more information.

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