CC & CC-S SERIES CONE CRUSHERS

Brief Introduction on CC & CC-S Series Cone Crushers

MP CC and CC-S Cone Crusher applies material selection crushing technology (MSCT). The crushing chamber is designed to accept a constant feed of suitable material for all round crushing and self-breaking, which helps to reduce excessive wear of the liners.

The MP Cone Crusher is advanced in design, more compact with a higher crushing ability. With a higher crushing efficiency to provide better size reduction, the operators can choose the auto control mode, various chambers, and other features by adjusting the closed side settings (CSS). The customer will always find a model that meets their desire, which is easy to operate and maintain with high production and efficiency.

MP Cone Crushers have a wide utilization for crushing. The Cone Crushers can easily meet different production needs by selecting crushing chambers and different eccentricities. MP Cone Crusher is an excellent choice as a secondary or tertiary crushing equipment, more compact structure making it easier for maintenance also ideal for portable crushing plants.

The hydraulic adjustment system provides safety protection and adjustment of the discharge port settings. The hydraulic adjustment system provides automatic overload protection to allow non-breakable materials to pass through and automatically return the main shaft to the correct position. The hydraulic control system can monitor the crushing load inside the crusher, recording production data and performance automatically, offers the operation curve and improves the information recording capability. Determining the liner wear by making the calibration and remind users replacing the liners, so as not to damage the machine.

CC & CC-S Series Cone Crusher Features

- Higher capacity with higher crushing efficiency.
- CLP constant crushing chamber remains the maximum feed size with higher production.
- Progressive crushing creates product in better size, meets the various desires.
- Multiple choices to the chambers on each model.
- Automatic control and optimized crusher settings by monitoring and recording the load inside.
- Automatic overload protection offered by hydraulic adjustment system by resetting the main shaft position.
- Ease operation and maintenance, the inspection and maintenance can be archived from the upper crusher.
- Higher capacity with more compact motor, better energy-savings.

CC Series Cone Crushers

CC-S Series Cone Crushers

CC | **CC-400**

Cone Crusher High Quality And Reliability

CC-S | **CC-400S**

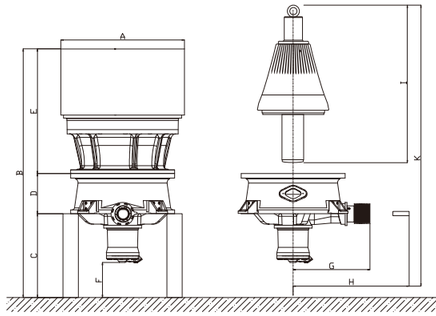
Cone Crusher High Quality And Reliability

Specification

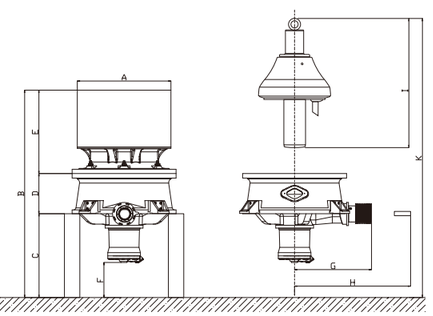
Dimensions

Unit: mm

CC–S series



CC–H series



Note: Reference line (not floor level) giving minimal dimensions for removal of: 1. Hydroset cylinder 2. Pinion shaft 3. Main shaft

Dia	CC100S	CC200S	CC300S	CC400S	CC100	CC200	CC300	CC400	CC500	CC600
A	ϕ1285	ϕ1635	ϕ2000	ϕ2800	ϕ1078	ϕ1360	ϕ1540	ϕ1954	ϕ2450	ϕ2660
B	2902	3485	4075	5100	2560	2992	3410	4215	5475	6456
C	1020	1125	1300	1600	1020	1125	1300	1600	2200	2870
D	540	655	745	860	540	655	745	860	1228	1186
E	1342	1705	2030	2640	1000	1212	1365	1755	2045	2400
F	400	422	452	631	400	422	452	631	998	1151
G	843	1061	1280	1497	843	1061	1280	1497	1824	2073
H	1270	1705	1900	2156	1270	1705	1900	2156	2850	3100
I	1703	2050	2420	2895	1425	1688	1985	2344	3095	3545
K	3600	4250	4930	5355	3000	3570	4000	4835	6600	7770

Dimensions are intended only as a guide for preliminary planning of the installation and should not be used for the construction of foundations, etc.

Approximate Weights

Heaviest lift	CC100S	CC200S	CC300S	CC400S	CC100	CC200	CC300	CC400	CC500	CC600
During maintenance	2300	5100	8100	16500#	1600	2900##	4700##	7400##	13000##	22000##
Total weight	6800	12000	19300	35000	5300	9200##	14300##	23500##	50000##	70000##

16500 kg = top shell assembly +spider assembly.
9700 kg = top shell assembly only.

##Applies to crusher with fine crushing chamber. With coarse crushing chamber, these weights are reduced by approximately 380 kg for the CC200, by 600 kg for the CC300, by 600 kg for the CC400, by 600 kg for the CC500 and by 3800 kg for the CC600 model .

CC Cone Crusher Models

S-Type Crusher

Model	Motor power(KW)	Max feed size(mm)		Nominal capacity in T/H with crusher running at CSS(mm)					
				19	22	25	29	32	35
CC100S	90	EC	240		85	92–115	101–158	107–168	114–143
		C	200	70	76–95	82–128	90–112	96	
CC200S	160	EC	360			126	138–173	147–230	156–293
		C	300		108	116–145	127–199	135–254	144–270
		MC	235	91	98–123	106–166	116–218	124–232	131–246
CC300S	250	EC	450						267
		C	400				225	239–299	254–381
		MC	300			195	214–267	228–342	242–435
CC400S	315	EC	560						
		C	500						

Model	Motor power(KW)	Max feed size(mm)		Nominal capacity in T/H with crusher running at CSS(mm)																			
				38	41	44	48	51	54	60	64	70	76	83									
CC100S	90	EC	240	121																			
		C	200																				
CC200S	160	EC	360	165–310	174–327	183–344	196–306	205–256	214														
		C	300	152–285	161–301	169–264	108																
		MC	235	139–261	147–275	154–241	165																
CC300S	250	EC	450	282–353	298–446	313–563	334–601	349–524	365–456														
		C	400	269–484	284–511	298–448	318–398	333															
		MC	300	256–461	270–486	284–426	303–378	317															
CC400S	315	EC	560		349	368–460	392–588	410–718	428–856	465–929	489–978	525–1050	562–983	604									
		C	500	318	336–420	353–618	376–753	394–788	411–823	446–892	469–822	504–631											

H-Type Crusher

Model	Motor power(KW)	Max feed size(mm)		Nominal capacity in T/H with crusher running at CSS(mm)																			
				4	6	8	10	13	16														
CC100	90	EC	135				46	50–85	54–92														
		C	90				43–53	46–89	50–96														
		M	65			36–44	38–74	41–80	45–76														
		MF	50		36	38–67	40–71	44–68	47–53														
		F	38	27–34	29–50	31–54	32–57	35–48	38														
		EF	29	30-40(80% finer than 4.5~5.5mm)																			
CC200	160	EC	185					69–108	75–150														
		C	145					66–131	71–142														
		MC	115				57	62–140	67–151														
		M	90				64–84	69–131	75–142														
		MF	75			61	65–106	70–115	76–124														
		F	50		48–78	51–83	54–88	59–96	63–103														
		EF	35	70-90(80% finer than 5~5.6mm)																			
CC300	250	EC	215						114–200														
		C	175					101	109–218														
		MC	140					97–122	105–262														
		M	110					117–187	126–278														
		MF	85				114	124–227	134–245														
		F	70			90–135	96–176	104–191	112–206														
		EF	38	100-125(80% finer than 6~7.5mm)																			
CC400	315	EC	275						177														
		CX	245						174–194														
		C	215						171–190														
		MC	175						162–253														
		M	135						197–295														
		MF	115					192	207–369														
		F	85					195–304	210–328														
		EF	65					211–293	227–316														
CC500	500	EC	300																				
		C	240																				
		MC	195																				
		M	155																				
		MF	100						379–424														
		F	90					357–395	385–656														
		EF	80				280–405	304–517	328–558														
CC600	600	EC	370																				
		C	330																				
		MC	260																				
		M	195																				
		MF	130																				
		F	120						531														
		EFX	100					401–502	433–631														
		EF	85				364–420	395–532	426–574														
		EEF	75			309–356	328–441	356–479	384–517														

Model	Motor power(KW)	Max feed size(mm)		Nominal capacity in T/H with crusher running at CSS(mm)																			
				19	22	25	32	38	44	51	57	64	70										
CC100	90	EC	135	58–99	62–105	66–112	76–128																
		C	90	54–103	57–110	61–118	70																
		M	65	48–59																			
		MF	50																				
		F	38																				
		EF	29	30-40(80% finer than 4.5~5.5mm)																			
CC200	160	EC	185	80–161	86–171	91–182	104–208	115–208															
		C	145	76–152	81–162	86–173	98–197	109–150															
		MC	115	72–162	77–173	82–184	93–145																
		M	90	80–152	86–162	91–154	104																
		MF	75	81–126	87–114	92																	
		F	50	68–105	72–95	77																	
		EF	35	70-90(80% finer than 5~5.6mm)																			
CC300	250	EC	215	122–276	131–294	139–313	159–357	175–395	192–384														
		C	175	117–292	125–312	133–332	151–378	167–335	183–229														
		MC	140	113–282	120–301	128–320	146–328	161–242															
		M	110	136–298	145–318	154–339	176–281	194															
		MF	85	144–263	153–281	163–299	186–248																
		F	70	120–221	129–236	137–251	156–208																
		EF	38	100-125(80% finer than 6~7.5mm)																			
CC400	315	EC	275	190–338	203–436	216–464	246–547	272–605	298–662	328–511													
		CX	245	187–374	200–488	212–519	242–592	268–654	293–521	323–359													
		C	215	184–367	196–480	209–510	238–582	263–643	288–512	317–353													
		MC	175	174–426	186–455	198–484	226–552	249–499	273–364														
		M	135	211–440	226–470	240–500	274–502	302–403															
		MF	115	222–396	237–423	252–450	287–451	318–363															
		F	85	225–352	241–376	256–400	292–401	323															
		EF	65	244–298	261–290																		
CC500	500	EC	300		448–588	477–849	544–968	601–1070	658–1172	725–1291	782–1393	849–1512	906–1331										
		C	240	406	433–636	461–893	525–1018	581–1125	636–1232	700–1357	756–1464	820–1461	876–1286										
		MC	195	380–440	406–723	432–837	492–954	544–1055	596–1155	657–1272	708–1373	769–1370	821–1206										
		M	155	400–563	428–786	455–836	519–953	573–1054	628–1154	692–1271	746–1372	810–1248	865–1098										
		MF	100	407–716	434–765	462–814	527–928	582–942	638–789	702													
		F	90	414–704	442–752	470–800	535–912	592–857	649–718														
		EF	80	352–598	376–639	400–680	455–775	503–728	551–669														
CC600	600	EC	370			480–640	547–1277	605–1411	662–1546	730–1702	787–1837	854–1994	912–2128										
		C	330			540–772	616–1232	681–1362	746–1492	821–1643	886–1773	962–1924	1027–1613										
		MC	260		541	576–864	657–1231	726–1361	795–1490	876–1642	945–1771	1025–1538	1094–1231										
		M	195		552–613	587–1043	669–1189	739–1314	810–1440	892–1586	962–1604	1045–1393	1115										
		MF	130	514	549–933	584–993	666–1132	736–1251	806–1370	888–1420	958–1245												
		F	120	570–832	609–888	648–945	739–985	816–885															
		EFX	100	465–678	496–724	528–770	602–803	665–721															
		EF	85	458–616	489–658	520–700	593–798	655–882	718–883	790													
		EEF	75	412–554	440–592	468–630	534–575																

CC-S Crushers

Three standard crushing chambers are available:
MC = Medium Coarse
C = Coarse
EC = Extra coarse

CC-Crushers

Several standard crushing chambers are available:
EEF = Extra Extra Fine EF = Extra Fine
EFX = Extra Fine Xtra F = Fine MF = Medium Fine
M = Medium MC = Medium Coarse
C = Coarse CX = Coarse Xtra EC = Extra Coarse

Capacity(TPH), the above specification is an estimated performance of crusher.

The data in the table is for the performance of the crusher feed with the dry material with a specific gravity of 1600kg/m3 in an opened circuit operation, also assumed the feed material's maximum size is under crusher's maximum feed size and does not contains finer material less than CSS.

Since the selected eccentricity, crushing ratio, material crushing work index (Wi), feed particle size composition, circulating load, and moisture in the feed will affect the crusher's ability, so please contact us for further information.