ME-SERIES | Jaw Crusher

ME series jaw crusher is mainly used in primary crushing of ore and aggregate. Combining with MVF series grizzly feeder can get a production capacity of primary crushing around 60-1500 t/h.

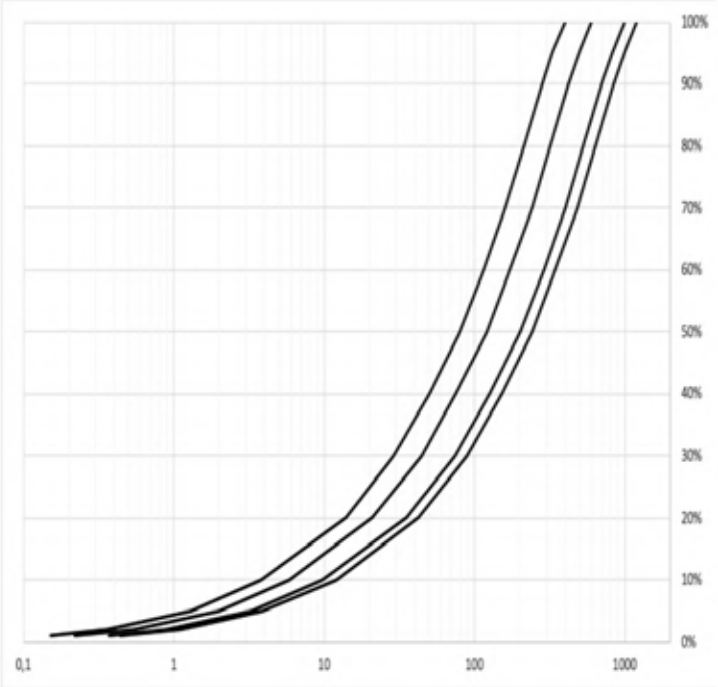
ME-SERIES
Technical Data Sheet

JAW CRUSHER PLANTS
Technical Data Sheet

	ME80	ME96	ME106	ME116	ME120	ME130	ME150	ME160	ME200
Maximum Installed Power	75 kW (100hp)	90 kW (125 hp)	110 kW (150 hp)	132 kW (175 hp)	160 kW (200 hp)	185 kW (250 hp)	200 kW (300 hp)	250 kW (350 hp)	400 kW (500 hp)
Speed	350 rpm	330 rpm	280 rpm	260 rpm	230 rpm	220 rpm	220 rpm	220 rpm	200 rpm
Basic Crusher Weight*)	7 650 kg 16 870 lbs	10 150 kg 22 380 lbs	15 650 kg 34 502 lbs	19 240 kg 22 470 lbs	27 990 kg 61 710 lbs	40 150 kg 88 516 lbs	50 950 kg 112 330 lbs	76300 kg 168 213 lbs	124 000 kg 273 373 lbs
Operational Crusher Weight*)	9 340 kg 20 590 lbs	12 260 kg 27 030 lbs	18 510 kg 40 810 lbs	22 470 kg 49 540 lbs	31 690 kg 69 860 lbs	46 300 kg 102 070 lbs	59 440 kg 131 100 lbs	87 260 kg 192 400 lbs	147 110 kg 324 320 lbs
Minimum closed side setting	40 mm (1 ⅝")	60 mm (2 ⅜")	70 mm (2 ¾")	70 mm (2 ¾")	70 mm (2 ¾")	100 mm (4")	125 mm (5")	150 mm (6")	175 mm (7")
Maximum closed side setting	175 mm (7")	175 mm (7")	200 mm (8")	200 mm (8")	175 mm (7")	250 mm (10")	250 mm (10")	300 mm (12")	300 mm (12")
Nominal Feed Opening									
Width***)	800 mm (32")	930 mm (37")	1 060 mm (42")	1 150 mm (45")	1 200 mm (47")	1 300 mm (51")	1 400 mm (55")	1 600 mm (63")	2 000 mm (79")
Depth***)	510 mm (20")	580 mm (23")	700 mm (28")	760 mm (30")	870 mm (34")	1 000 mm (39")	1 200 mm (47")	1 200 mm (47")	1 500 mm (59")
Estimated Maximum Feed Size****)	410 mm (16")	460 mm (18")	560 mm (22")	610 mm (24")	700 mm (28")	800 mm (32")	960 mm (38")	960 mm (38")	1 200 mm (47")
Crusher Throughput Capacity, Scalped Feed Material									
Closed Side Setting	Capacity								
40 mm	55-75								
15/8 "	60-80								
50 mm	65-95								
2 "	75-100								
60 mm	80-110	105-135							
23/8 "	90-120	115-150							
70 mm	95-135	125-155	150-185	165-205	175-240				
23/4 "	110-145	135-170	160-205	180-225	195-265				
80 mm	110-150	140-180	165-215	180-235	195-270				
31/8 "	120-165	155-200	185-240	200-260	215-295				
90 mm	125-175	160-200	190-235	205-255	210-305				
3 ½ "	140-190	175-220	205-260	225-280	235-330				
100 mm	140-190	175-225	205-265	225-285	235-325	270-369			
4 "	150-210	195-250	230-295	245-315	260-360	297-406			
125 mm	175-245	220-280	255-325	270-345	285-395	325-446	340-470		
5 "	195-270	240-310	280-360	295-380	315-435	358-491	375-515		
150 mm	210-290	265-335	305-385	320-405	340-475	380-523	400-555	430-610	
6 "	230-320	290-370	335-428	350-450	375-515	418-576	440-610	475-670	
175mm	245-335	310-390	355-450	370-465	385-540	435-600	460-635	495-695	630-890
7 "	270-370	340-430	390-495	405-515	430-595	479-661	505-700	545-765	695-980
200 mm			395-500	410-520		490-677	520-720	560-790	710-1000
8 "			445-560	460-580		539-746	570-790	615-870	780-1100
225 mm						545-754	580-800	625-880	785-1105
9 "						600-830	640-880	685-965	860-1215
250 mm						600-831	640-880	685-965	865-1215
10 "						661-915	705-970	755-1060	950-1340
275 mm								745-1055	940-1320
11 "								820-1160	1030-1455
300 mm								815-1145	1015-1435
12 "								985-1260	1120-1575

ME-SERIES
Technical Specifications

ME SERIES JAW CRUSHER
Technical Data Sheet



Smaller closed side settings may be possible depending on application and end product requirements.

The above figures represent through the crusher capacities, which are based on a feed material with an average specific gravity of 2.7 t/m^3, a maximum feed size that will enter the crusher without bridging and material finer than the crusher closed side setting removed. The capacities may vary depending on the feeding method and on feed characteristics such as gradation, bulk density and moisture, clay content and crushability. Measurement of the crusher's closed side setting varies depending on the jaw profile that is being used and this has an impact on the crusher's capacity and product gradation.

The following factors will enhance crusher capacity and performance:

1. Proper selection of the jaws
2. Proper feed gradation
3. Controlled feed rate
4. Sufficient feeder capacity and width
5. Adequate crusher discharge area
6. Discharge conveyor sized to convey maximum crusher capacity

CE AFRICA (PTY) LTD
Reg No. 2020/438525/07
Vat No. 41 902 921 20

Address: 20 Graniet Rd, Jetpark, Boksburg, 1459
Contact No. (+27) 82 809 4525
Email: info@ce-africa.com