

Performance data jaw type gyratory crushers (Status12/2003)

Data table														
Gyratory crusher type			Diam. of feed opening	Speed of eccentric bushing	Max. drive motor rating	Stroke	Weight (incl. Crushing tools, wear plates and liners)							
							BK hydraulic ^{*)}	BK mechanic ^{**)}	Spider	Heaviest shell	Bottom shell	Main shaft	Eccentric bushing with bottom	Hydraulic cylinder
cm	Zoll	[mm]	[1/min]	[kW]	[mm]	[kg]	[kg]	[kg]	[kg]	[kg]	[kg]	[kg]	[kg]	[kg]
BK	100-125	40-49	2.000	136	160	23	-	56.000	13.500	11.200	9.000	14.000	2.700	-
BK	120-150	48-59	2.100	136	200	25	-	80.000	18.600	14.200	16.000	18.900	3.500	-
BK	135-170	54-67	2.640	136	250	27	-	116.500	25.000	15.700	21.500	26.500	4.100	-
BK	135-190	54-75	2.640	136	315	29	-	123.000	25.000	15.700	24.600	29.500	4.800	-
BK	160-190	63-75	3.080	137	650	42	202.300	-	46.090	44.710	39.756	43.200	8.500	9.500
BK	160-210	63-83	3.300	115	400	34	-	184.000	13.400	21.700	41.400	50.000	5.300	-

To keep pace with technical process, we reserve the right to make improvements without prior notice.

^{*)} Divided construction
^{**)} Modified, weight-optimized spider

Crusher performance Capacity [t/h] at open side setting OSS [mm] and bulk density 1,6 kg/m ³																
Gyratory crusher type			80		100		125		150		175		200		225	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
cm	Zoll	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
BK	100-125	40-49	287	595	348	743	435	929	522	1.115	608	1.301	-	-	-	-
BK	120-150	48-59	363	775	454	969	567	1.212	680	1.454	794	1.696	-	-	-	-
BK	135-170	54-67	-	-	555	1.186	694	1.483	833	1.780	971	2.076	-	-	-	-
BK	135-190	54-75	-	-	666	1.424	833	1.780	1.000	2.136	1.166	2.493	1.333	2.849	-	-
BK	160-190	63-75	-	-	972	2.078	1.215	2.597	1.458	3.117	1701	3.636	1944	4.156	-	-
BK	160-210	63-83	-	-	730	1.561	913	1.951	1.095	2.341	1.278	2.731	1.460	3.121	1.643	3.511

The stated values are only approximate. The guiding values depend on the crushing duty (characteristics of feed material, product requirements) and the crusher configuration. Min. values apply to hard tough feed material with a fines content of less than 20%, max. values apply to medium feed material with a fines content of at least 70%
Min./max. values can vary. Therefore capacity rates are determined for the specified crushing duty (in case of need).
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