

### APPROXIMATE HOURLY CAPACITIES AT 100% CRUSH

Size of mouth		To minus 1" (25 mm)			To minus 1½" (38 mm)			To minus 2" (51 mm)			To minus 2½" (63 mm)			To minus 3" (76 mm)			3" jaw setting (76 mm) closed position			4" jaw setting (102 mm) closed setting			5" jaw setting (127 mm) closed setting				
ins	mm	tonnes	short tons	m³	tonnes	short tons	m³	tonnes	short tons	m³	tonnes	short tons	m³	tonnes	short tons	m³	tonnes	short tons	m³	tonnes	short tons	m³	tonnes	short tons	m³		
24	10	610	254	18-22	20-25	11-14	25-29	28-32	15-18	33-37	37-41	21-23	40-45	44-50	25-28												
36	10	914	254	30-35	33-39	19-22	43-49	48-55	27-30	53-62	59-69	33-39	65-76	72-85	40-47												
20	12	508	305				20-24	22-27	12-15	26-30	29-34	16-19	32-36	36-40	20-22	38-42	42-47	24-26									
36	12	914	305				38-43	42-48	24-27	47-54	53-60	29-34	58-65	63-73	35-40	65-76	73-85	40-47									
42	14	1067	356							55-65	61-72	34-40	66-78	73-86	41-49	78-92	87-103	49-57	92-103	103-113	57-64	115-130	127-143	72-81			
30	18	762	457							40-45	44-50	25-28	47-55	52-62	29-34	56-65	62-72	35-40	65-75	73-84	40-47	83-92	93-103	52-57	100-110	112-123	62-69
42	20	1067	508										70-80	77-88	44-50	80-90	88-99	50-56	90-100	99-110	56-62	110-125	120-138	69-78	130-150	143-168	81-93
36	24	914	610												80-90	88-99	50-56	97-112	107-124	60-70	115-135	127-149	72-84				

The capacities given above are the weight in tonnes (2,200 lb) and short tons (2,000 lb) per hour of hard limestone with 100% of the feed larger than the maximum discharge opening and at least 75% larger than twice the maximum discharge opening. Allowance must be made for percentage of oversize, but this does not exceed 15% as laid down in B.S.S.2595, 1955. The sieve analysis gives the percentage of oversize present on test. When feeding mixed material, that is, with some undersize stone included in the feed, outputs may be approximately increased as follows, depending on the jaw setting:

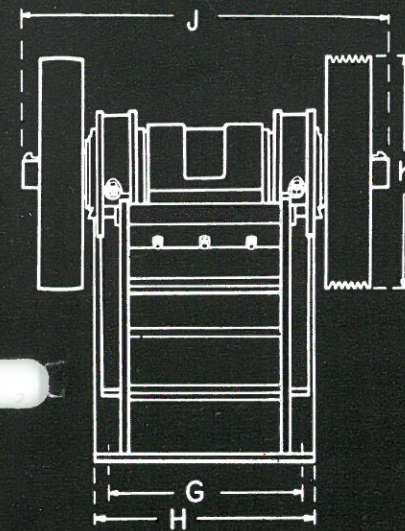
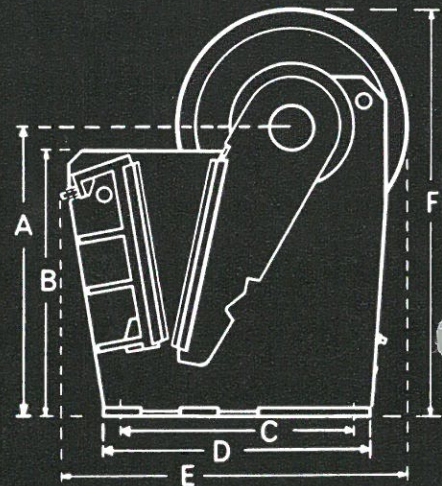
25% undersize in feed - 7½% to 15% increase in output.      50% undersize in feed - 35% to 45% increase in output.      75% undersize in feed - 50% to 60% increase in output.  
Cubic capacities are based on 100 lbs per cubic foot.

### DATA

Size of mouth		Maximum size of feed		Maximum jaw setting closed position		Minimum recommended jaw setting		Horsepower range	Revs. per minute	Flywheel size (diameter x face)		Number and size of vee ropes	Approximate weight				
ins	mm	ins	mm	ins	mm	ins	mm			ins	mm		tonnes	lb	kilos		
24	10	610	254	9	229	2½	64	1	25	25/45	320	36x7	914x178	6-¾" (22 mm)	4-12	9,072	4,115
36	10	914	254	9	229	2½	64	1	25	35/60	320	40x9	1016x229	7-¾" (22 mm)	6-52	14,336	6,503
20	12	508	305	11	279	3	76	1½	38	25/45	320	36x7	914x178	6-¾" (22 mm)	4-12	9,072	4,115
36	12	914	305	11	279	3	76	1½	38	35/60	320	40x9	1016x229	7-¾" (22 mm)	6-72	14,784	6,706
42	14	1067	356	12½	318	4	102	2	51	60/90	320	52½x12	1334x305	8-¾" (22 mm)	11-86	26,096	11,837
30	18	762	457	16	406	5	127	2	51	50/80	320	52x10	1321x254	8-¾" (22 mm)	10-28	22,624	10,262
42	20	1067	508	18	457	5	127	2½	64	100/125	250	52x10	1321x254	8-¾" (22 mm)	18-33	40,320	18,289
36	24	914	610	22	559	6	152	3	76	90/120	250	60x12	1524x305	10-¾" (22 mm)	18-07	39,760	18,035

# Data And Dimensions

All machines supplied in accordance with our Standard Conditions



### DIMENSIONS

Size of mouth	A		B		C		D		E		F		G		H		J		K	
	ins	ft ins	m	ft ins	m	ft ins	m	ft ins	m	ft ins	m	ft ins	m	ft ins	m	ft ins	m	ft ins	m	ft ins
24x10	3 6	1-07	3 2	0-97	2 9	0-84	3 3	0-99	4 5	1-35	5 0	1-52	2 11	0-89	3 5	1-04	5 3	1-60	3 0	0-91
36x10	3 7	1-09	2 11	0-89	3 3	0-99	3 10	1-17	5 3	1-60	5 3	1-60	3 10	1-17	4 4	1-32	6 8	2-03	3 4	1-02
20x12	3 9	1-14	3 5	1-04	3 0	0-91	3 6	1-07	4 6	1-37	5 3	1-60	2 7	0-79	2 11	0-89	4 10	1-47	3 0	0-91
36x12	3 7	1-09	3 4	1-02	3 3	0-99	3 11	1-19	5 0	1-52	5 3	1-60	3 10	1-17	4 3	1-30	6 8	2-03	3 4	1-02
42x14	4 3	1-30	4 0	1-22	3 11	1-19	5 0	1-52	6 3	1-91	6 5	1-96	4 6	1-37	4 11	1-50	7 8	2-34	4 5	1-35
30x18	5 5	1-65	4 10	1-47	4 6	1-37	5 5	1-65	6 8	2-03	7 7	2-31	3 8	1-12	4 1	1-24	6 3	1-91	4 4	1-32
42x20	4 8	1-42	4 10	1-47	4 2	1-27	5 6	1-68	7 0	2-13	6 10	2-08	4 6	1-37	4 11	1-50	7 4	2-24	4 4	1-32
36x24	6 5	1-96	5 8	1-73	5 4	1-63	6 3	1-91	7 11	2-11	8 11	2-41	4 3	1-30	4 9	1-45	7 3	2-21	5 0	1-52

### SIEVE ANALYSIS

#### MINUS 1"

Material	Percentage Passing Screen Perforations									
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	oversize
Granite ..	10½	7	5	4½	10	6½	19	27	10½	
Limestone ..	10	7½	6½	4½	11½	9½	21½	20	8½	
Whinstone ..	8½	5½	5	5	9½	6½	19½	28½	11½	

#### MINUS 1½"

Material	Percentage Passing Screen Perforations										
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	+4"-5"	oversize
Granite ..	8½	3½	3	2½	5½	5	10½	12½	15	23	11½
Limestone ..	7½	7	3½	4	8½	6½	14½	15½	16½	8½	8½
Whinstone ..	6½	3½	2½	2½	6	4½	12½	18	19½	15½	8½

#### MINUS 2"

Material	Percentage Passing Screen Perforations									
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	oversize
Granite ..	11½	4½	5	5	6½	6½	10½	13½	29½	6
Limestone ..	9½	5	5	4	7½	7	9½	14½	27½	9½
Whinstone ..	10½	4	4½	4	6	7½	8½	13½	30½	9½

#### MINUS 2½"

Material	Percentage Passing Screen Perforations													
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	+4"-5"	+5"-6"	oversize		
Granite ..	4½	1½	1½	¾	2½	2½	6	5½	7	10½	27½	12	7½	9½
Limestone ..	3½	2½	2½	2	5	3	8	10	9½	11½	20	8½	5	8½
Whinstone ..	2½	1½	¾	¾	3½	1½	6½	7½	7½	10½	36½	8	4	10

#### MINUS 3"

Material	Percentage Passing Screen Perforations												
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	+4"-5"	+5"-6"	oversize	
Granite ..	5½	2½	3	1½	6½	3½	6½	2½	19½	29	12½	8½	
Limestone ..	5½	3½	4	2½	7	6	8½	6	22	17½	9½	7½	
Whinstone ..	3½	2½	2½	1½	4½	3½	5½	5½	17½	19½	24	10½	

#### 3" JAW SETTING (CLOSED POSITION)

Material	Percentage Passing Screen Perforations										
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	+4"-5"	oversize
Granite ..	3½	1½	3½	2½	3½	7½	11½	12½	26½	20½	6
Limestone ..	4	2½	4	3½	5½	7	10	11½	24½	19½	8½
Whinstone ..	2½	2	3½	3	4½	9½	12½	13½	25	20	4

#### 4" JAW SETTING (CLOSED POSITION)

Material	Percentage Passing Screen Perforations												
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	+4"-5"	+5"-6"	oversize	
Granite ..	2½	1½	2½	2½	3	4½	7½	7½	11½	28	17½	11½	
Limestone ..	2½	2½	4½	6½	4	6	6½	5½	12	21½	18½	11½	
Whinstone ..	2	1½	1	2½	3½	6	7½	8	11½	28	18½	10½	

#### 5" JAW SETTING (CLOSED POSITION)

Material	Percentage Passing Screen Perforations												
	-¼"	+¼"-½"	+½"-¾"	+¾"-1"	+1"-1½"	+1½"-2"	+2"-2½"	+2½"-3"	+3"-4"	+4"-5"	+5"-6"	+6"	
Granite ..	1½	¾	1½	1½	1½	3½	5½	4½	7½	15½	11	30	17½
Limestone ..	2½	2	1½	2½	3½	4½	6½	4½	12	28	14	14	14
Whinstone ..	1½	½	1½	1	2	4	6½	5	6½	16	11½	29½	16