



# 2500 VERTICAL SHAFT IMPACT TERTIARY PLANT WITH FEEDER/HOPPER



PLANT FEATURES	
<b>PLANT CONFIGURATION</b>	Diesel/Electric
<b>AXLE CONFIGURATION</b>	3 axle suspension
<b>TIRES</b>	(20) 11:00 x 22.5 Dual Mounted w/ Air Brakes
<b>FEED HOPPER</b>	11 Yard Surge
<b>BELT FEEDER</b>	36" with 10 hp variable speed drive
<b>UNDERCRUSHER SIDE DELIVERY CONVEYOR</b>	42" wide with 10 hp electric motor
<b>SIDE DISCHARGE HEIGHT</b>	7' - 8"
<b>VSI FEED CONVEYOR</b>	42" wide with 20 hp electric motor w/ magnetic head pulley
<b>ALL BELTING</b>	Grade 2, 3 Ply, 3/8" Top, 1/2" Bottom, Grade 1 Rubber
<b>DIESEL ENGINE</b>	Caterpillar C-15 540 hp diesel w/ 350kw genset
<b>DIESEL BAGHOUSE</b>	Pulse cleaning air-intake
<b>FUEL TANK</b>	500 gallons
<b>GROUND SUPPORTS</b>	Hydraulic with oversized bases
<b>PLATFORMS</b>	Magnet and diesel access
<b>DUST SUPPRESSION</b>	Complete with manifold, filtration, and on-plant shutoff

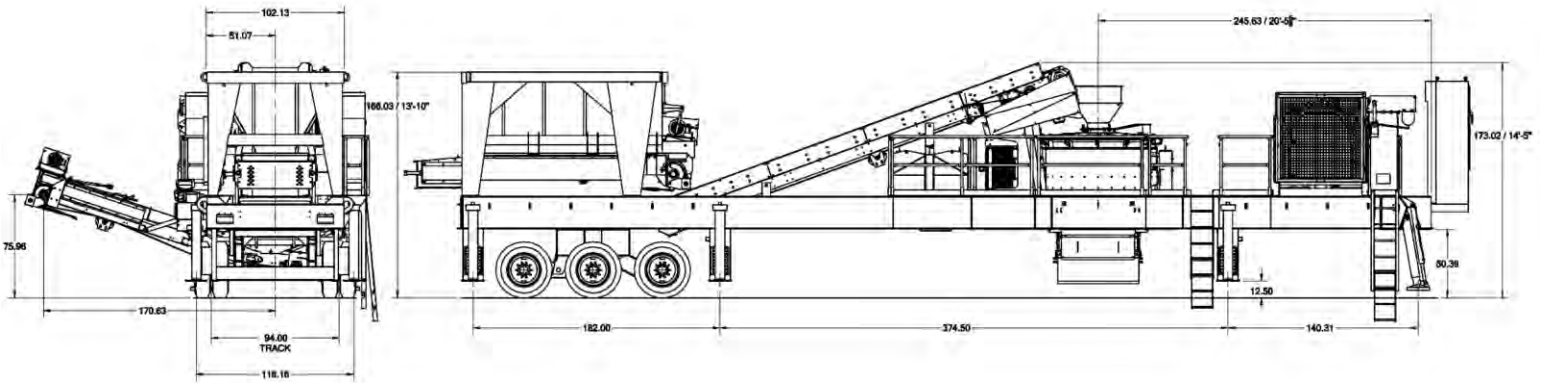
CRUSHER SPECIFICATIONS
Available in rotor/anvil or semi-autogenous or fully autogenous
Adjustable and removable hybrid rock shelf with anvils
Rotor includes quick change carbide tips and liners
Feed box with externally adjustable feed tube
Replaceable alloy tub liners
Hinged access doors in lid
Heavy-duty taper roller bearing pedestal assembly
1 HP electric pump w/ oil alarm system
Oil cooler with 1/4 HP electric motor fan
Pedestal sheave and v-belts

VSI CAPACITIES AND SPECIFICATIONS														
Model	Maximum Feed Size (1)		Minimum Recommended Closed Circuit	Feed Tube Diameter	Capacity Effective Crushing Range (2)		Standard Impeller Table Speed Range	Recommended Electric Horsepower	Table/Anvil Clearance		Explosion Chamber Volume	EV-Models WK <sup>2</sup>	Approximate Weight (Electric Shown)	
	Inch	MM	Mesh	Inch	TPH	MTPH	RPM	H.P.	Inch	MM	Cubic Inch	Lbs-Ft	Lbs	Kgs
2500 (H)	3	75	#16	11 3/8	150-250	135-223	700-1400	250	8.8	220	10,120	2,400	18,000	8,182
2500 (A)	2	50	#4	11 3/8	150-300	135-267	700-1400	300	—	—	10,120	2,400	19,000	8,182

**NOTE:** (H) in the model number denotes hardparts configuration also referred to as "standard configuration."  
 (A) in the model number denotes autogenous configuration. The specification and production rates shown apply to semi and fully autogenous.  
 (1) Max feed size restriction can vary with regards to material density, crushability, elongation, and impeller table speed or configuration.  
 (2) Feed size and throughput tonnage based on material weighing 100 lbs. per cubic foot.



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## GRADATION

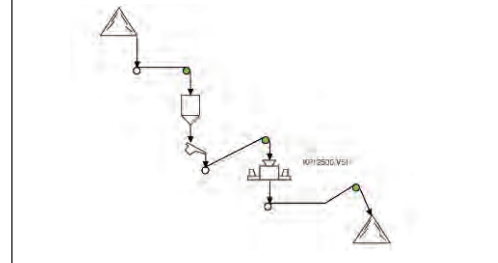
Tertiary		Models 1500H, 2500H, 82H					
		3" Feed		2" Feed		1" Feed	
Sieve Size inches	Sieve Size mm	Feed	Typical Output	Feed	Typical Output	Feed	Typical Output
3"	75mm		100%				
2"	50mm		98		100%		
1 1/2"	37.5mm		94		98		
1"	25mm		83		90		100%
3/4"	19mm		69		78		95
1/2"	12.5mm		52		60		80
3/8"	9.5mm		40		46		62
1/4"	6.3mm		28		33		40
#4M	4.75mm		20		24		30
#8M	2mm		14		15		15
#16M	1.18mm		9		10		10
#30M	600uM		6		7		7
#50M	300uM		4		5		5
#100M	150uM		3		4		4
#200M	75uM		2		3		3

Tertiary		Models 1500H, 2500H, 82H					
		3" Feed		2" Feed		1" Feed	
Sieve Size inches	Sieve Size mm	Feed	Typical Output	Feed	Typical Output	Feed	Typical Output
3"	75mm		100%				
2"	50mm		98				
1 1/2"	37.5mm		95		100%		
1"	25mm		87		94		100%
3/4"	19mm		79		85		99
1/2"	12.5mm		68		73		90
3/8"	9.5mm		57		62		78
1/4"	6.3mm		46		49		63
#4M	4.75mm		37		40		52
#8M	2mm		26		27		33
#16M	1.18mm		17		18		21
#30M	600uM		11		12		15
#50M	300uM		7		8		10
#100M	150uM		5		6		6
#200M	75uM		4		4		4

## WEIGHTS AND DIMENSIONS

AXLE SPACING	51"
KINGPIN	53,000
REAR AXLE EACH	20,000
REAR AXLE TOTAL	60,000
TOTAL WEIGHT	113,000
TRAVEL HEIGHT	14'
TRAVEL LENGTH	66'-3"
TRAVEL WIDTH	12'-0"

## MATERIAL FLOW



NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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