Serving the road industry since 1975, WRT's focus on quality-built equipment providing a long service life, blended with excellent service, is our foundation for success.

400IOC
Portable Cone Crusher Plant

WRT's wealth of experience in engineering and manufacturing produces industry leading rock crushing equipment.

FEATURES

FLSmidth Raptor 400

- Mainframe, crusher adjustment ring, crusher clamp ring, bowl and head constructed from high strength one piece steel casting
- Tramp release cylinders are mounted with the rod end of the cylinder down to prevent dust and particles from causing rod damage
- Safety features: safety stop switches, nip guards, safety tread platform and steps
- Convenient access to guards and Raptor 400 cone for ease of maintenance
- Crusher package lube system has vertical mounted submerged suction pump and motor
- Standard automation and crusher control package provides interlocking of the lube system, hydraulic power unit, and drive motor

Chassis

- Chassis beams fabricated from heavy-duty reinforced wide flange beam
- Crusher drive: 400 HP (2 – 200 HP heavy-duty tandem drive system)
- 36" channel frame feed conveyor with hydraulic location adjustment (side positioning)
- 42" channel frame discharge conveyor equipped with hydraulic lowering for transport
- Motorized rubber lagged drive pulleys on feed and discharge conveyors
- Four leg hydraulic leveling system complete with 12 volt hydraulic power pack

★ Ideal secondary crusher following a large jaw crusher to yield more usable and saleable aggregates per tonne

★ Excellent tertiary crusher for making concrete and asphalt as it provides outstanding graduation control and cubical product

★ Ultimate crusher plant for the most demanding aggregate and hard rock mining applications

★ Superior bronze bearings for all internal moving components that are load bearing or involved in load transmission

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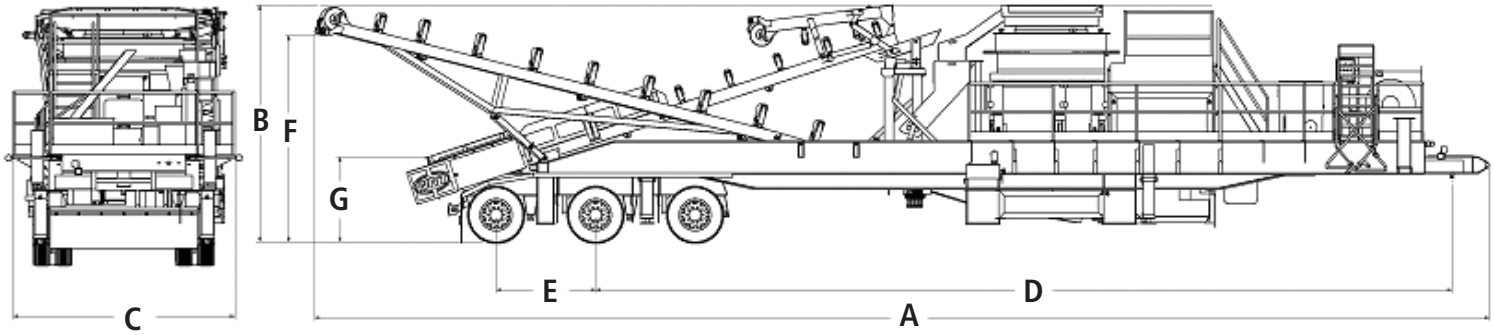

REAR VIEW

SIDE VIEW

Item		Specifications	
A	Overall Transport Length	70′ 10 3/16″	21.59 m
B	Transport Height	14′ 4″	4.37 m
C	Transport Width	12′ 3 3/4″	3.75 m
D	Transport Kingpin to Second Axle Hub Center	51′ 7 7/8″	15.74 m
E	Axle Spread	72″	1.83 m
F	Discharge Conveyor Operating Height	13′ 8 1/2″	4.18 m
G	Feed Conveyor Hopper Operating Height	5′ 0 1/2″	1.54 m

CAPACITY CHART

	Setting (mm)	mt/hour Min	mt/hour Max	Setting (inches)	stph Min	stph Max
Short Head Fine	8	NA	NA	5/16	NA	NA
Short Head Fine	10	160	210	3/8	180	235
Short Head Medium	13	205	270	1/2	230	300
Short Head Medium	16	255	340	5/8	285	375
Short Head Coarse	19	290	385	3/4	325	425
Standard Fine	22	305	400	7/8	340	445
Standard Fine	25	340	440	1	375	490
Standard Fine	32	390	500	1 1/4	430	560
Standard Medium	38	440	580	1 1/2	490	640
Standard Coarse	45	500	660	1 3/4	560	730
	Reduction Ratio	4 to 6	2 to 4	Reduction Ratio	4 to 6	2 to 4

* As indicated above for 100 lbs. per cubic foot and impact work index of 13.

** Short tons per hour based on open circuit crushing with material weighing 100 lbs. per cubic foot. Values are estimated "instantaneous" product samples, actual values may vary +/-15%. Factors that will vary throughput are; feed graduation, cavity level, feed distribution, moisture content, and properties of the processed material.

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