

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.

# WRT

## 400IOC Portable Cone Crusher Plant



### FEATURES

#### FLSmidth Raptor 400

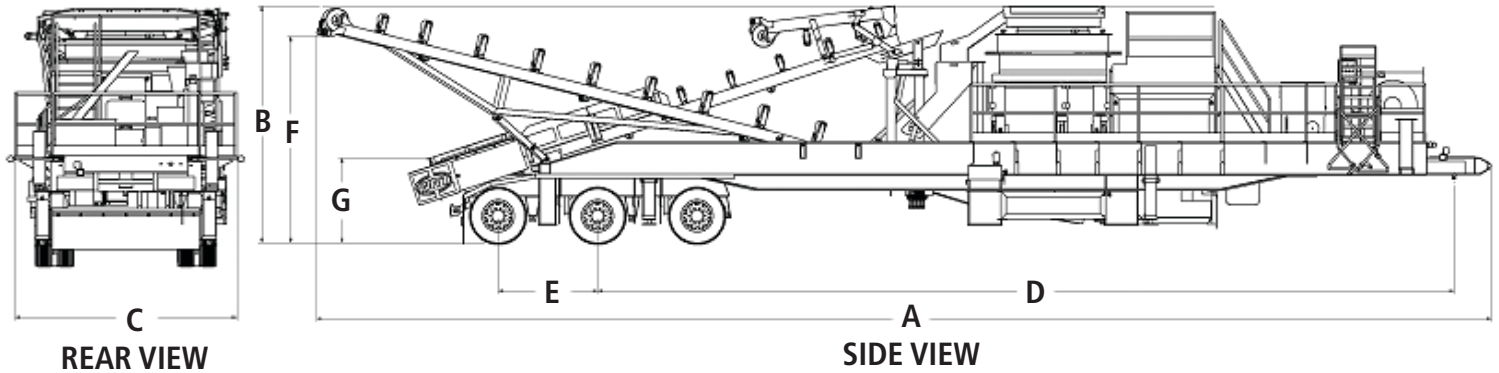
- Mainframe, crusher adjustment ring, crusher clamp ring, bowl and head constructed from high strength one piece steel casting
- Tramp release cylinders are mounted with the rod end of the cylinder down to prevent dust and particles from causing rod damage
- Safety features: safety stop switches, nip 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

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

- ★ 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 gradation 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



Item	Specifications	
A Overall Transport Length	70' 10 <sup>3</sup> / <sub>16</sub> "	21.59 m
B Transport Height	14' 4"	4.37 m
C Transport Width	12' 3 <sup>3</sup> / <sub>4</sub> "	3.75 m
D Transport Kingpin to Second Axle Hub Center	51' 7 <sup>7</sup> / <sub>8</sub> "	15.74 m
E Axle Spread	72"	1.83 m
F Discharge Conveyor Operating Height	13' 8 <sup>1</sup> / <sub>2</sub> "	4.18 m
G Feed Conveyor Hopper Operating Height	5' 0 <sup>1</sup> / <sub>2</sub> "	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 <sup>5</sup> / <sub>16</sub>	NA	NA
Short Head Fine	10	160	210	3 <sup>3</sup> / <sub>8</sub>	180	235
Short Head Medium	13	205	270	1 <sup>1</sup> / <sub>2</sub>	230	300
Short Head Medium	16	255	340	5 <sup>5</sup> / <sub>8</sub>	285	375
Short Head Coarse	19	290	385	3 <sup>3</sup> / <sub>4</sub>	325	425
Standard Fine	22	305	400	7 <sup>7</sup> / <sub>8</sub>	340	445
Standard Fine	25	340	440	1	375	490
Standard Fine	32	390	500	1 <sup>1</sup> / <sub>4</sub>	430	560
Standard Medium	38	440	580	1 <sup>1</sup> / <sub>2</sub>	490	640
Standard Coarse	45	500	660	1 <sup>3</sup> / <sub>4</sub>	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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