



UNICRAWL



At the heart of the UniCrawl 130/150 RCP is the Universal Engineering Corp 130/150 RCP Horizontal Shaft Impact Crusher, the field proven 130/150 RCP is ideal for a variety of applications but is most noted for the recycling of heavy, reinforced concrete and ripped asphalt. This Crusher features an extra-large feed opening to more efficiently accommodate the large slabby materials that are prevalent in construction and demolition recycling. The RCP features a specifically designed rotor that maximizes impact force to provide for excellent liberation of rebar and wire mesh.

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Design Features:

- **RCP 130/150-** Heavy-duty rotor assembly with cast manganese mono-block primary curtain liner. Four (4) rows of vertically installed heavy duty alloy steel hammers. Hammers are reversible and maintain a protruding leading edge for optimum capacity and greater utilization.
 - **VIBRATING FEEDER** - 44"x14' with adjustable sloped grizzly section and bypass for unobstructed flow of material.
 - **REMOVABLE BULKHEAD** - and hydraulic folding hopper wings. Bulkhead is approximately 12' wide and 14' tall. Weldment is designed to allow mobility on-site with the Bulkhead in place. Hopper may be side or end loaded.
 - **FRONT DISCHARGE CONVEYOR** - 48"x33' - 6" provides 8' clearance under head pulley, with a heavy-duty impact bed in the crusher discharge area. Conveyor is supported in a manner that allows it to be disconnected and lowered to the ground for ease of maintenance.
 - **DINGS 48 CR MAGNETIC SEPARATOR** - cross belt configuration, stainless steel clad. Discharges to either side, adjustable and fully shielded.
 - **POWER SYSTEM** - CAT C13 ATAAC rated at 440 HP, including an engine mounted hydraulic pump drive adaptor. Electrical accessories include a 24-volt circuit from the engine battery pack for plant control system and safety interlock features, push button control panel and two 24-volt floodlights.
 - **RADIO REMOTE CONTROL** - Controls also include manual back-ups and safety interlocks.
 - **CHASSIS** - fabricated with a space frame design supporting all the plant components without the need for stabilizers or out-riggers. Crawler tracks feature a 20" wide shoe that is approximately 12' long. Designed for a nominal 16-17 psi ground pressure and 20° slope climbing ability.
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CRUSHER

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|---------------------------------|--|
| Model | 130/150 RCP |
| Capacity | |
| Nominal 6" minus (open circuit) | 400-500 STPH |
| 1 1/2" minus (closed circuit*) | 200-300 STPH |
| Feed Opening | 41" x 61" |
| Maximum Feed Size | 4.5 ft ³ max. 12" thickness |
| Discharge Opening | 53" x 61" |
| Weight | 47,400 lbs. |
| Speed | 300 - 600 RPM (set at 505 RPM) |
| Rotor | |
| Diameter x Width | 51" x 60" |
| Rows of Hammers | 4 |
| Hammers | |
| Weight | 455 lbs. |
| Material | Chrome Steel |
| Primary Curtain | |
| Type | Reversible MonoBlock |
| Material | Manganese |
| Secondary Curtain | |
| Type | Interchangeable Liners |
| Material | Chrome Steel |

VIBRATING GRIZZLY FEEDER

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|-----------------------------|---------------------------------------|
| Model | 44" x 14" |
| Length of Grizzly Section | 3' |
| Nominal Grizzly Spacing | 3" |
| Drive Type | Variable Speed Hydraulic Piston Motor |
| Effective Discharge Opening | 44" x 28" |

UNDERCARRIAGE

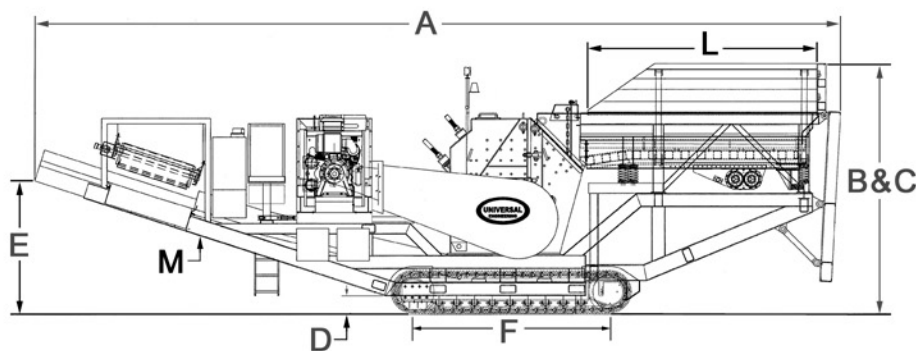
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|---------------------------|-----------------------|
| Track Type | Sealed Track |
| Track Adjuster | Hydraulic |
| Number of Shoes | 54 (each side) |
| Number of Carrier Rollers | 2 Rollers (each side) |
| Number of Track Rollers | 9 Rollers (each side) |

TRANSPORT DIMENSIONS

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|---|------------------|--------------|
| A | Transport Length | 49' - 1/2" |
| B | Transport Height | 12' - 6" |
| | Transport Width | 11' - 3 1/4" |

WEIGHTS

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| Operating weight | 135,000 lbs |
| Travel weight (less hopper wings and bulkhead) | 116,000 lbs |

**OPERATING DIMENSIONS**

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|---|---------------------------|--------------|
| A | Overall Length | 49' - 10" |
| B | Overall Height | 15' - 6" |
| C | Feed Height | 15' - 6" |
| D | Minimum Ground Clearance | 14" |
| E | Discharge Height | 8' - 3 1/2" |
| F | Length of Track on Ground | 12' - 2 1/2" |
| G | Overall Width | 12' - 6" |

**HYDRAULIC SYSTEM**

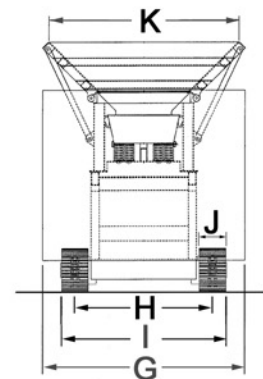
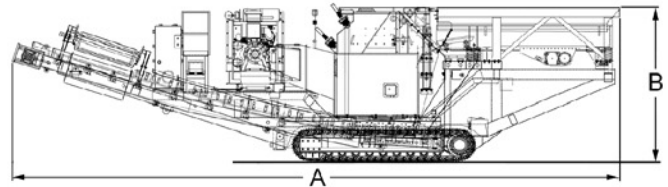
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|--------------------------|---------------------------------------|
| Main pump: | |
| Type | Variable capacity pistons |
| Pumps for | Travel, Crusher, Conveyor and Options |
| Maximum flow | 2 @ 47.5 gpm |
| Maximum pressure | 4,460 psi |
| Maximum travel speed | 1.0 mph |
| Hydraulic system | |
| Travel | 47.5 gpm |
| Crusher | Belt Driven |
| Feeder | 26.1 gpm |
| Front discharge conveyor | 23.0 gpm |
| Magnetic separator | 11.0 gpm |

ENGINE

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|----------------------|---|
| Model: | CAT C13 ATAAC |
| Type: | 6 cylinder, 4-cycle, water-cooled, direct injection |
| Aspiration: | Turbocharged and aftercooled (air to air) |
| Flywheel horsepower: | 440 @ 1,800 rpm |
| Clutch: | Twin Disc HP300S |

COOLANT AND LUBRICANT CAPACITY

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|------------------|--------------|
| Fuel Tank | 310 U.S. gal |
| Hydraulic System | 255 U.S. gal |



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|---|-------------------------------|--------------|
| H | Track Gauge | 8' - 6" |
| I | Track Width | 10' - 1 1/2" |
| J | Shoe Width | 19 1/2" |
| K | Hopper Width | 11' - 9" |
| L | Hopper Length | 14' - 7" |
| M | Discharge Conveyor Belt Width | 48" |

*Closed circuit operation requires separate screen and conveyors.

The information contained herein is general in nature and is not intended for specific construction, installation or application purposes. Predictions of actual performance of a given piece of equipment should take into account the many variable field factors, no warranty of any kind, expressed or implied, is extended by presenting the generalized data herein. We reserve the right to make changes in specifications shown herein or add improvements at any time without notice or obligation.