



## GENERAL

### CHAINSAW

Weight: 126,000-141,000 lbs (63,957-68,039 kg)\*  
 Chainsaw - Dependent on Configuration  
 Height: w/Cab - 11' 6" (351 cm) with cab elevated - 13' 11" (424 cm)  
 Transport length with Crumbshoe:  
 8 ft boom: 38' 11" (11.86 m)  
 10 ft boom: 41' 2" (12.55 m)  
 12 ft boom: 45' 11" (14.0 m)  
 14 ft boom: 48' 2" (14.68 m)  
 Transport Width: 124" (3.15 m) with 30" (0.76 m) Track Pads  
 118" (3 m) with 24" (0.61 m) Track Pads  
 Transport Height: 11'-6" (3.51 m) over Cab with single grouser pads (Digging Motor Removed)  
 \* Weight calculations based on 54/345 chain with 1-3/4" baseplates, 126,000# (57,273 kg) Weight based on 8 ft Depth (2.4 m) x 26" Cut (0.66 m). Double-Chain set-up with Boom and without tractor counterweight.

### BUCKET

Weight "Dirt": 135,000-142,000 lbs (61,235- 64,410 kg)  
 Weight "Rock": 142,000 lbs (64,410 kg)  
 Transport Height: 14' 1" (4.3 m) over Wheel with (3) buckets removed from bottom and (2) from the top  
 Transport length: 44' 4" (13.51 m)  
 Transport Width: 124" (3.15 m) with digging motors removed, 30" (0.71 m) D7 Track Pads

## STANDARD FEATURES

Pressurized, Elevating ROPS Cab with air conditioning, heating, and sound suppression  
 External support structure for elevating cab, wear-pad design with adjustment  
 Load control: operator selectable digging pressure, automatic operation  
 Battery Box and Toolbox with locking door  
 Engine doors with security locks  
 Fuel and Hydraulic Tank: aircraft quality locking caps  
 Flywheel Gearboxes and Hydraulic Tanks: pressurized with 5 PSI filtered breathers  
 Flywheel Gearboxes: shaved, helical gearing, case hardened for extreme shock load  
 Vibration isolator mount: used on engine, radiator, oil cooler, and exhaust silencer  
 Stabilizers / Dirt Drags: automatically adjust to terrain changes.  
 Lights: 24 Volt forward facing

## ENGINE

Model: Caterpillar C13 ACERT Tier 3  
 Description: Turbocharged and air to air after cooled  
 Number of cylinders: 6 In-Line  
 Maximum no load RPM: 2100  
 Maximum gross horsepower at no load: 440 (328 kW)  
 Cooling Medium: liquid  
 Cooling Rating: adequate for 122° F (50° C) ambient air temperature  
 Air cleaner: dry type, Centrifugal precleaner with primary and secondary filters

Oil filter: full flow canister  
 Fuel filter: primary and water separator  
 Electrical system: 12V/24V  
 Fuel tank capacity: 297 gal (1,126 L)  
 Fuel consumption at full load: 22.7 gal/hr (86 l/hr)  
 Operating range: 13 hours

## HYDRAULIC SYSTEM

Type: pressure and flow compensated (Load sensing)  
 Pump flow maximum: 45 GPM (170 L/min)  
 Pressure setting: 2500 PSI (172 Bar)  
 Oil tank capacity: 177 gallons (671 L)

## CRAWLER DRIVE

Dual path, hydrostatic drive, planetary transmissions capable of full counter rotation with single lever steering, single lever direction  
 Infinitely variable speed: Forward and reverse,  
 High Range: 0 - 3.0 Mph (4.83 km/hr)  
 Low Range: 0 - 1.6 Mph (2.57 km/hr)  
 Integral parking and service brake: spring applied, hydraulic release, wet disc brake

## CROSS CONVEYOR

Overall Track Length: 146.3" (372 cm)  
 Track pad type: single, double, or triple grouser  
 Track chain type: Caterpillar D7  
 Track chain pitch: 8,500" (21.6 cm)  
 Track pad width: 30" (76.2 cm), optional 24" (61 cm)  
 Hydrostatic: one pump and two motors  
 Description: reversible and shiftable  
 Belt speed: infinitely variable 0-1000 FPM (0-305 M/min)

### CHAINSAW

Conveyor belt width: 30" (76.2 cm)  
 Conveyor length: 12' 9" (389 cm)  
 Discharge height: 6' 6" (198 cm)  
 Discharge direction: right or left

### BUCKET

Conveyor belt width: 42" (107 cm)  
 Discharge height: Variable  
 Manual conveyor fold

## TRENCHER DRIVE

### CHAINSAW

Hydrostatic: four pumps and two motors capable of transmitting full engine horsepower  
 Depths: 8' through 12' (244 cm through 366 cm)  
 Widths: Depths:  
 26"-42" (66-107 cm) Maximum 8' (2.4 m)  
 26"-42" (66-107 cm) Maximum 10' (3.05 m)  
 26"-42" (66-107 cm) Maximum 12' (3.66 m)

Three Operator Selectable Digging Speed Ranges  
 0-311 FPM (0-94.8 m/min)  
 0-466 FPM (0-142 m/min)  
 0-622 FPM (0-189.5 m/min)  
 Tailwheel diameter: 41.5" (105 cm)  
 Headshaft diameter: 11" (27.9 cm)  
 Cutters: rotary carbide tipped 1-1/2" (3.8 cm) shank diameter  
 Digging Chain: 54/345  
 Optional Crumbshoe  
 Digging Chain Boom Top Roller  
 Hydraulic Digging Chain Adjustment

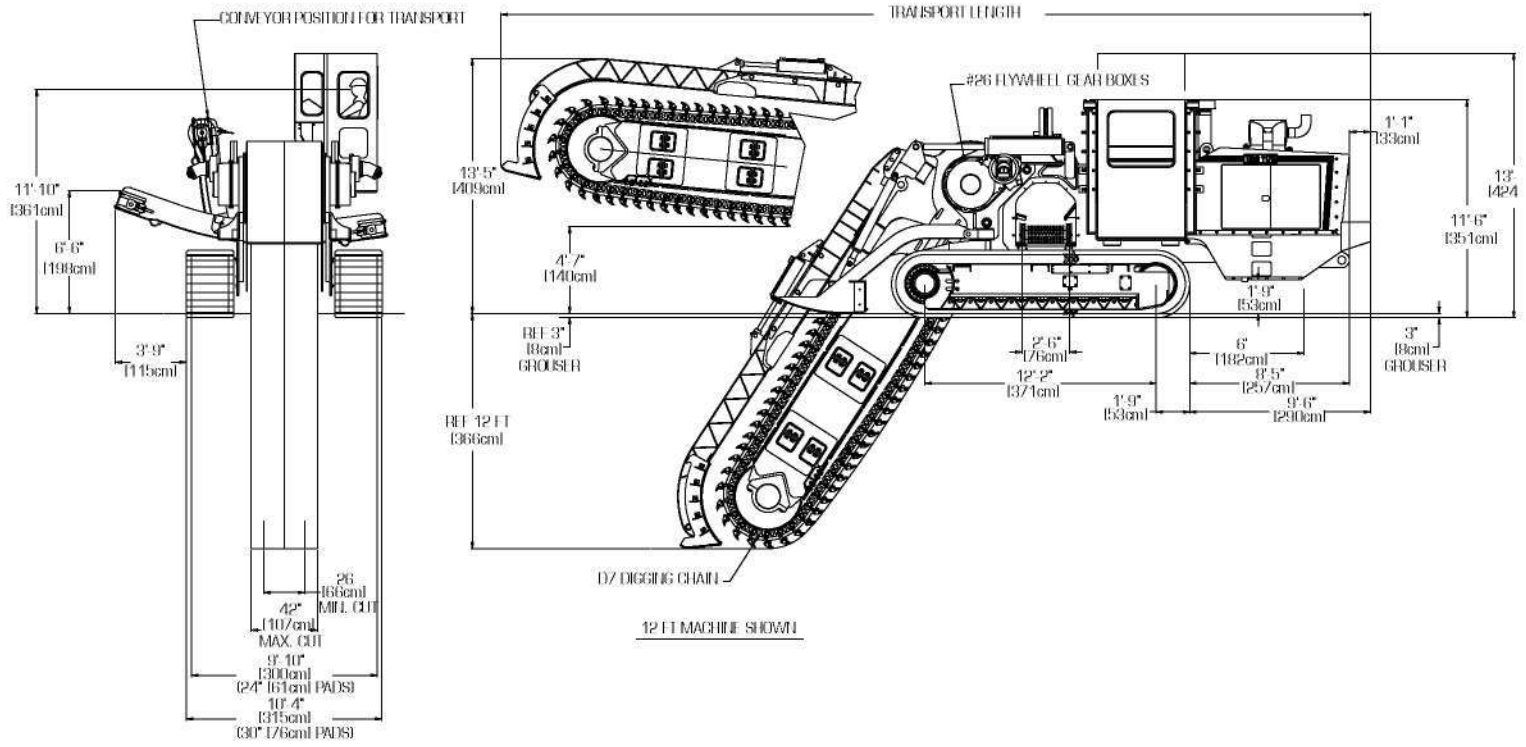
### BUCKET

Hydrostatic: four pumps and two motors capable of transmitting full engine horsepower  
 Depths: 3 ft Minimum (92 cm with boom level) Maximum 9 ft (274 cm)  
 Widths of cut, Dirt: 30" (76 cm) to 54" (137 cm)  
 Widths of cut, Rock: 30" (76 cm)  
 Three operator selectable Wheel Speeds  
 0-6.8 RPM  
 0-10.3 RPM  
 0-13.7 RPM  
 Digging Rims: 1-1/2" Plate (3.8cm) with forged steel segments multiple drilled for (15) or (18) bucket set-up  
 Dirt Buckets: (15) especially designed shovelnose-buckets (1" plate) with standard dirt pockets  
 Rock Buckets: (18) especially design buckets for rock (1-1/2 plate) with pockets to accept conical teeth  
 Dirt cutters: spade-type teeth  
 Rock cutters: Rotary carbide tipped 1-1/2 diameter (3.8 cm) shank  
 Center pull articulated wheel  
 Heavy-duty trapezoid design boom  
 Heavy-duty hydraulic lift and tilt cylinders  
 Fixed crumbshoe  
 Hardened alloy steel shaft with multiple flanges for easy "digging-width" changes  
 Hardened reversible split drive sprockets  
 Four truck assemblies, two upper and two lower with Standard 14" (35.6 cm) ride diameter wheels  
 Factory set heavy-duty tapered roller bearings  
 Heavy-duty mechanical seals with replaceable elements

## OPTIONS

CE certified  
 Cab Anti-Vandalism Window Covers  
 Work Light Package: 24V, for night use  
 Air Compressor  
 Laser Control System Pre-Wire  
 Hydraulic Crumbshoe  
 Twin Hose Reel Package: connections to power hydraulic tools  
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## CHAINSAW



## BUCKET

