



# Offset Chainsaw Specification

## GENERAL

Weight: 85,000-95,000 lbs (38'556-43'092 kg)  
 Dependent on Configuration  
 Height: w/Cab -10' 10" (3.3 m) with cab elevated - 13' 1" (4.06 m)  
 Transport length with Crumbshoe:  
 4 ft boom: 36' 9" (11.2 m)  
 6 ft boom: 39' 2" (11.9 m)  
 8 ft boom: 41' 5" (12.6 m)  
 Transport Width: 98-1/2" (2.5 m) With 22" (0.56 m) Track Pads  
 Transport Height: 11' (3.35 m) (over Cab. and single grouser pads)

## STANDARD FEATURES

Pressurized, Elevating ROPS Cab with air conditioning, heating, and sound suppression  
 Load control: operator selectable digging pressure, automatic operation  
 Tool Box/Battery Box 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  
 Top Boom Chain Roller

## ENGINE

Model: Caterpillar C9 ACERT Tier 3  
 Description: turbocharged and charge air cooled  
 Maximum gross horsepower: 325 HP (243 kW)  
 Number of cylinders: 6 In-Line  
 Maximum no load RPM: 2100  
 Cooling Medium: extended life coolant  
 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  
 Electrical system: 12V/24V  
 Fuel tank capacity: 236 gal (893 L)  
 Fuel consumption at full load: 16.5 gal/hr (62.4 L/hr)  
 Operating range: 14.3 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: 108 gallons (408.7 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: 0-3.1 MPH (0-4.2 KPH)  
 Low Range: 0-1.3 MPH (0-1.7 KPH)  
 Integral parking and emergency brake: Spring applied, hydraulic release, wet disc brake

## TRACKS

Overall Track Length: 10' 9" (328 cm)  
 Track pad type: single, double, or triple grouser  
 Track chain type: Caterpillar D5  
 Track chain pitch: 6.91" (175.4 cm)  
 Track pad width: 22" (71 cm)  
 Track tilt angle: 9°  
 Automatic/Manual operation

## CROSS CONVEYOR

Pressure and flow compensated pump with dual hydraulic drive motors  
 Description: reversible and shiftable 12" (30.5 cm) in each direction  
 Belt speed: infinitely variable 0-750 FPM (0-229 m/min)  
 Conveyor belt width: 24" (60.9 cm)  
 Conveyor length: 98-1/2" (2.5 m)  
 Discharge direction: right or left

## TRENCHER DRIVE

Hydrostatic: two pumps and two motors capable of transmitting full engine horsepower  
 Infinitely variable digging chain speeds: 0-700 FPM (0-213 m/min)  
 Attachment Offset: 30" (76.2 cm) from machine centerline either direction (60" (152.4 cm) total), hydraulically shiftable the entire distance without cylinder change.  
 Depths: 4, 6, 8 ft (122, 183, 244 cm)  
 Widths: 18"-28" Double Link chain (45-71 cm)  
 Double Link chain tensile strength: 509,130 lbs (230,940 kg)  
 Cutters: rotary carbide tipped 1" (2.5 cm) shank diameter  
 OPTIONAL Cutters: rotary carbide tipped 1-1/2" (3.8 cm) shank diameter  
 Tailwheel Diameter: 40" (101.6 cm)  
 OPTIONAL Hydraulic Crumbshoe

## OPTIONS

CE certified  
 Cab Anti-Vandalism Window Covers  
 Work Light Package: 24V, for night use  
 Air Compressor  
 Laser Control System Pre-Wire  
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