

# TRS-1085



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# TESMEC TRS-1085

## Offset Chainsaw Specifications

### GENERAL

Weight: 85,000-95,000 Lb. (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" (250 cm) With 22"  
(56 cm) 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  
Creep 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 DITA-ATAAC  
Description: Turbocharged and Charge Air Cooled  
Maximum gross horsepower: 335 HP (250 kW)  
Number of cylinders: 6 In-Line  
Maximum no load RPM: 2,100  
Cooling Medium: Extended Life Coolant  
Cooling Rating: Adequate for 125° F (51.7° 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)  
Oil type: Texaco code 1855, Type "F" or TESMEC  
approved equivalent.

### 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

### TILT 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

### 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 (45.7-71.1 cm)  
Double Link chain tensile strength: 509,130 lb.  
(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

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

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